	A
1	BOLD DETECTS WHEN DATA IS STILL IN ROWS AS .CSV FILE
2	DATE FORMAT MM/DD/YY
3	REMOVE "00" FROM SITE NAMES BEFORE COPY
4	BEGINNING 2Q05, ALL WATER DATA IN DATABASE IS IN PPB.
5	
6	
7	
8	
9	MOVE PAHs TO BOTTOM BELOW D/F
10	FIELD PARAMETERS: pH, Temp, Cond, and DO only (delete redox, turbidity, ferrous iron)
11	USE LOOKUP TO DELETE UNNECESSARY COMPOUNDS; ADJUST ORDER OF COMPOUNDS EXISTING IN MULTIPLE METHODS (SEE LOOKUP TAB)
12	
13	

	B	C	D	E	F	G
1						
2						
3						
4						
5	CONVERT:	DIESEL, MOTOR OIL, AND GASOLINE FROM PPB TO PPM				
6		ALL METALS FROM PPB TO PPM				
7		TDS AND CHLORIDE SHOULD BE IN PPM				
8		LEAVE FIELD PARAMETER UNITS AS THEY ARE				
9						
10						
11						
12	TWO PAH COMPOUNDS NOT ANALYZED (2-Methlynaphthalene and Dibenzofuran) - ENTER NA FOR THESE					
13	Acenaphthylene and Anthracene - Only use PAH by 8270SIM, not 8270SVOC (delete these)					

	H	I	J
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

TABLE A-3
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - UPPER ZONE WELLS
SECOND QUARTER SAMPLING EVENT, JUNE 2005
TIME OIL NORTHWEST TERMINAL

	A	B	C
1	CONVERT THESE FROM PPB TO PPM		
2			
3			
4			
5	"Shallow" Paramter	Database Parameter	
6			
7	**CHLORINATED PHENOLS (µg/L)**	**PENTACHLOROPHENOL (µg/L)**	1
8	**EPA Method SW8040**	**EPA 8270SIM**	2
9	Pentachlorophenol	Pentachlorophenol (8270SIM)	3
10	2,4,6-Trichlorophenol		4
11	2,3,6-Trichlorophenol		5
12	2,4,5-Trichlorophenol		6
13	2,3,4-Trichlorophenol		7
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		8
15	2,3,4,5-Tetrachlorophenol		9
16			10
17	**SEMIVOLATILES (µg/L)**	**SEMIVOLATILES (µg/L)**	11
18	**EPA Method SW8270**	**EPA 8270C**	12
19	Phenol	Phenol	13
20	4-Methylphenol	3- & 4-Methylphenol	14
21	Isophorone	Isophorone	15
22	2,4-Dimethylphenol	2,4-Dimethylphenol	16
23	Benzoic Acid	Benzoic Acid	17
24	Naphthalene	Naphthalene (8270)	18
25	2-Methylnaphthalene	2-Methylnaphthalene (8270)	19
26	2,4,6-Trichlorophenol	2,4,6-Trichlorophenol	20
27	2,4,5-Trichlorophenol	2,4,5-Trichlorophenol	21
28	Acenaphthene	Acenaphthene (8270)	22
29	Dibenzofuran	Dibenzofuran (8270)	23
30	Fluorene	Fluorene (8270)	24
31	Pentachlorophenol	Pentachlorophenol (8270)	25
32	bis(2-Ethylhexyl)phthalate	Bis(2-ethylhexyl)phthalate	26
33			27
34	**VOLATILES (µg/L)**	**VOLATILES (µg/L)**	28
35	**EPA Method SW8260**	**EPA 8260B**	29
36	Acetone	Acetone	30
37	Carbon Disulfide	Carbon disulfide	31
38	2-Butanone	2-Butanone	32
39	Benzene	Benzene	33
40	Bromoform	Bromoform	34
41	Toluene	Toluene	35
42	Ethylbenzene	Ethylbenzene	36
43	Styrene	Styrene	37
44	m,p-Xylene	m,p-Xylene	38
45	o-Xylene	o-Xylene	39
46	1,3,5-Trimethylbenzene	1,3,5-Trimethylbenzene	40
47	1,2,4-Trimethylbenzene	1,2,4-Trimethylbenzene	41
48	Isopropylbenzene	Isopropylbenzene	42
49	n-Propylbenzene	n-Propylbenzene	43
50	tert-Butylbenzene	tert-Butylbenzene	44
51	sec-Butylbenzene	sec-Butylbenzene	45
52	4-Isopropyltoluene	4-Isopropyltoluene	46
53	n-Butylbenzene	n-Butylbenzene	47
54	Naphthalene	Naphthalene (8260)	48
55	Methyl tert-butyl ether	Methyl tert-butyl ether	49
56			50

TABLE A-3
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - UPPER ZONE WELLS
SECOND QUARTER SAMPLING EVENT, JUNE 2005
TIME OIL NORTHWEST TERMINAL

	A	B	C
2			
3			
4			
5	"Shallow" Paramter	Database Parameter	
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**		51
58	**Method OR-DEQ**	**NWTPH-Dx (mg/L)**	52
59	TPH-Diesel	Diesel Range Hydrocarbons	53
60	TPH-D Motor Oil	Heavy Oil Range Hydrocarbons	54
61	TPH-Gasoline	Gasoline Range Hydrocarbons	55
62			56
63	**PRIORITY POLLUTANT**	**TOTAL METALS (mg/L)**	57
64	**METALS (mg/L)**	**EPA 6020**	58
65	Arsenic (7060)	Arsenic	59
66	Chromium (6010)	Chromium	60
67	Copper (6010)	Copper	61
68	Lead (7421)	Lead	62
69	Nickel (6010)	Nickel	63
70	Zinc (6010)	Zinc	64
71			65
72	**MAJOR IONS AND CONVENTIONALS**	**CONVENTIONALS (µg/L)**	66
73	Calcium (mg/L) (6010)		67
74	Magnesium (mg/L) (6010)		68
75	Potassium (mg/L) (6010)		69
76	Sodium (mg/L) (6010)		70
77	Alkalinity (mg/L CaCO3) (SM 2320)		71
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		72
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		73
80	Total Dissolved Solids (mg/L) (EPA 160.1)	Total Dissolved Solids (160.1)	74
81	Chloride (mg/L) (EPA 325.2)	Chloride (300.0)	75
82	N-Nitrate (mg-N/L) (Calculated)	N-Nitrate (300.0)	76
83	N-Nitrite (mg-N/L) (EPA 354.1)		77
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		78
85	Sulfate (mg/L) (EPA 375.2)	Sulfate (300.0)	79
86			80
87	**FIELD PARAMETERS**	**FIELD PARAMETERS**	81
88	pH (avg)	pH	82.00
89	Temperature (° C) (avg)	Temperature (deg C)	83.0
90	Conductivity (um/hos)	Conductivity (uS/cm)	84
91	Dissolved oxygen (mg/L) (avg)	Dissolved oxygen (mg/l)	85
92			86

TABLE A-3
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - UPPER ZONE WELLS
SECOND QUARTER SAMPLING EVENT, JUNE 2005
TIME OIL NORTHWEST TERMINAL

	A	B	C
2			
3			
4			
5	"Shallow" Paramter	Database Parameter	
93	**DIOXINS AND FURANS (ng/L)**	**DIOXINS AND FURANS (ng/L)**	87
94	**Method 8290**	**EPA 1613B**	88
95	2,3,7,8-TCDF	2,3,7,8-TCDF	89
96	Total TCDF	Total TCDF	90
97	2,3,7,8-TCDD	2,3,7,8-TCDD	91
98	Total TCDD	Total TCDD	92
99	1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDF	93
100	2,3,4,7,8-PeCDF	2,3,4,7,8-PeCDF	94
101	Total PeCDF	Total PeCDF	95
102	1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDD	96
103	Total PeCDD	Total PeCDD	97
104	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDF	98
105	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDF	99
106	2,3,4,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	100
107	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDF	101
108	Total HxCDF	Total HxCDF	102
109	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDD	103
110	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDD	104
111	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDD	105
112	Total HxCDD	Total HxCDD	106
113	1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDF	107
114	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8,9-HpCDF	108
115	Total HpCDF	Total HpCDF	109
116	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDD	110
117	Total HpCDD	Total HpCDD	111
118	OCDF	OCDF	112
119	OCDD	OCDD	113
120			114
121	**ETHANOL (mg/L)**		115
122			116

TABLE A-3
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - UPPER ZONE WELLS
SECOND QUARTER SAMPLING EVENT, JUNE 2005
TIME OIL NORTHWEST TERMINAL

	A	B	C
2			
3			
4			
5	"Shallow" Paramter	Database Parameter	
123	**PAHs (µg/L)**	**PAHs (µg/L)**	117
124	**EPA Method SW8270 SIM**	**EPA 8270SIM**	118
125	Naphthalene	Naphthalene (8270SIM)	119
126	2-Methylnaphthalene		120
127	Acenaphthylene	Acenaphthylene (8270SIM)	121
128	Acenaphthene	Acenaphthene (8270SIM)	122
129	Fluorene	Fluorene (8270SIM)	123
130	Anthracene	Anthracene (8270SIM)	124
131	Dibenzofuran		125

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	**LOOKUP COMPOUNDS**										
4			Analytes by								
5			Mulitple methods								
6							Analytes by				
7							Mulitple methods				
8					Pentachlorophenol	3	SIM				
9	Pentachlorophenol	3	SIM		Pentachlorophenol	25	SVOC				
10		4			Naphthalene	18	SVOC				
11		5			Naphthalene	48	VOC				
12		6			Naphthalene	119	PAH				
13		7			2-Methylnaphthalene	19	SVOC				
14		8			2-Methylnaphthalene	120	PAH	(No Specialty PAH 2-Methylnaphthalene - NA)			
15		9			Acenaphthene	22	SVOC				
16		10			Acenaphthene	122	PAH				
17		11			Dibenzofuran	23	SVOC				
18		12			Dibenzofuran	125	PAH	(No Specialty PAH Dibenzofuran - NA)			
19	Phenol	13			Fluorene	24	SVOC				
20	3-,4-Methylphenol	14			Fluorene	123	PAH				
21	Isophorone	15									
22	2,4-Dimethylphenol	16			Use only PAH acenaphthylene - delete SVOC						
23	Benzoic Acid	17			Use only PAH anthracene - delete SVOC						
24	Naphthalene	18	SVOC								
25	2-Methylnaphthalene	19	SVOC								
26	2,4,6-Trichlorophenol	20									
27	2,4,5-Trichlorophenol	21									
28	Acenaphthene	22	SVOC								
29	Dibenzofuran	23	SVOC								
30	Fluorene	24	SVOC								
31	Pentachlorophenol	25	SVOC								
32	Bis(2-ethylhexyl)phthalate	26									
33		27									
34		28									
35		29									
36	Acetone	30									
37	Carbon disulfide	31									
38	2-Butanone	32									
39	Benzene	33									
40	Bromoform	34									
41	Toluene	35									
42	Ethylbenzene	36									
43	Styrene	37									
44	m,p-Xylene	38									
45	o-Xylene	39									
46	1,3,5-Trimethylbenzene	40									
47	1,2,4-Trimethylbenzene	41									
48	Isopropylbenzene	42									
49	n-Propylbenzene	43									
50	tert-Butylbenzene	44									
51	sec-Butylbenzene	45									
52	p-Isopropyltoluene	46									
53	n-Butylbenzene	47									
54	Naphthalene	48	VOC								
55	Methyl tert-butyl ether	49									
56		50									
57		51									
58		52									
59	Diesel Range Organics	53									
60	Heavy Oil Range Hydrocarbons	54									
61	Gasoline Range Hydrocarbons	55									
62		56									
63		57									
64		58									
65	Arsenic	59									
66	Chromium	60									
67	Copper	61									
68	Lead	62									

	A	B	C	D	E	F	G	H	I	J	K
69	Nickel	63									
70	Zinc	64									
71		65									
72		66									
73		67									
74		68									
75		69									
76		70									
77		71									
78		72									
79		73									
80	Total Dissolved Solids	74									
81	Chloride	75									
82		76									
83		77									
84		78									
85		79									
86		80									
87		81									
88	pH (avg)	82									
89	Temperature (° C) (avg)	83									
90	Conductivity (mS/cm) (avg)	84									
91	Dissolved oxygen (mg/L) (avg)	85									
92		86									
93	**DIOXINS AND FURANS (ng/L)**	87									
94	**Method 8290**	88									
95	2,3,7,8-TCDF	89									
96	Total TCDF	90									
97	2,3,7,8-TCDD	91									
98	Total TCDD	92									
99	1,2,3,7,8-PeCDF	93									
100	2,3,4,7,8-PeCDF	94									
101	Total PeCDF	95									
102	1,2,3,7,8-PeCDD	96									
103	Total PeCDD	97									
104	1,2,3,4,7,8-HxCDF	98									
105	1,2,3,6,7,8-HxCDF	99									
106	2,3,4,6,7,8-HxCDF	100									
107	1,2,3,7,8,9-HxCDF	101									
108	Total HxCDF	102									
109	1,2,3,4,7,8-HxCDD	103									
110	1,2,3,6,7,8-HxCDD	104									
111	1,2,3,7,8,9-HxCDD	105									
112	Total HxCDD	106									
113	1,2,3,4,6,7,8-HpCDF	107									
114	1,2,3,4,7,8,9-HpCDF	108									
115	Total HpCDF	109									
116	1,2,3,4,6,7,8-HpCDD	110									
117	Total HpCDD	111									
118	OCDF	112									
119	OCDD	113									
120		114									
121	**ETHANOL (mg/L)**	115									
122		116									
123	**PAHs (µg/L)**	117									
124	**EPA Method SW8270 SIM**	118									
125	Naphthalene	119	PAH								
126	2-Methylnaphthalene	120	PAH	(No Specialty 2-Methylnaphthalene - NA)							
127	Acenaphthylene	121	PAH	Use only this PAH acenaphthylene - delete SVOC							
128	Acenaphthene	122	PAH								
129	Fluorene	123	PAH								
130	Anthracene	124	PAH	Use only this PAH anthracene - delete SVOC							
131	Dibenzofuran	125	PAH	(No Specialty Dibenzofuran - NA)							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1	
4			S177D		T176N		U235H		V224R		W371K		Y336A		Z225M		Z960E		AH49B		AU36A		BC30D		9912050-01A		BH96T	
5			4/2/97		7/16/97		10/22/97		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		**0.14**	J1
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	**3.1**	M	2.0	U	2.0	U	NA		**4.6**	
20	14	4-Methylphenol	**43**		1.0	U	1.0	U	**24**		**39**		**28**		**31**		**35**		**7.1**		1.0	U	**7.0**		NA		**57**	
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	NA		**7.7**	
23	17	Benzoic Acid	10	U	10	U	10	U	**10**		10	U	10	U	10	U	10	U	**27**		10	U	10	U	NA		10	U
24	18	Naphthalene	**16**		**12**		**18**		**16**		**20**	J2	**6.8**		**4.4**		**35**		**26**		1.0	U	**12**		NA		**51**	
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	**1.5**	J2	**1.1**		1.0	U	**6.4**		**3.8**		1.0	U	**2.1**		NA		**19**	
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
32	26	bis(2-Ethylhexyl)phthalate	2.9	U	**2.8**	J2	1.0	U	1.0	U	1.0	U	**2.1**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	**24**		5.0	U	**6.5**		5.0	U	**75**		5.0	U	5.0	U	36	U	230	U	25	U	25	U	NA		5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	45	U	5.0	U	5.0	U	NA		1.0	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	**11**		**20**		5.0	U	**51**		**11**		230	U	25	U	25	U	NA		55	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	**250**		**440**		**190**		**160**		**2400**		**210**		**66**		**190**		NA		**4700**	
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	45	U	5.0	U	5.0	U	NA		1.0	U
41	35	Toluene	**6.4**		1.0	U	1.0	U	**4.4**		**1400**		**450**		**190**		**4000**		**3700**		**920**		**290**		NA		**4700**	
42	36	Ethylbenzene	**5.4**		**5.5**		**1.1**		**1.2**		**11**		**19**		**11**		**140**		**220**		**160**		**32**		NA		**160**	
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	**4.2**		**7.0**		**3.8**		**93**		**130**		5.0	U	**5.0**	U	NA		**29**	
44	38	m,p-Xylene	**1.2**		**2.5**		**1.1**		**1.7**		**22**		**50**		**33**		**450**		**730**		**390**		**100**		NA		**1000**	
45	39	o-Xylene	**1.1**		**1.2**		1.0	U	1.0	U	**7.4**		**22**		**14**		**210**		**360**		**200**		**44**		NA		**490**	
46	40	1,3,5-Trimethylbenzene	**2.5**		**3.6**		**12**		**6.4**		**13**		**4.8**		**3.8**		**25**		45	U	**8.8**		**5.2**		NA		**46**	
47	41	1,2,4-Trimethylbenzene	**4.6**		**8.8**		**47**	J2	**36**		**110**		**30**		**19**		**140**		**88**		**44**		**24**		NA		**150**	
48	42	Isopropylbenzene	**7.7**		**9.5**		**34**	J2	**23**		**34**		**11**		**7.4**		**28**		45	U	**9.1**		**6.2**		NA		**28**	
49	43	n-Propylbenzene	**3.1**		**4.9**		**21**		**17**		**29**		**13**		**8.8**		**36**		45	U	**9.7**		**8.2**		NA		**40**	
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	45	U	5.0	U	5.0	U	NA		1.0	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	45	U	5.0	U	5.0	U	NA		**2.8**	
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	45	U	5.0	U	5.0	U	NA		**2.7**	
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.2**		1.0	U	**1.0**		45	U	5.0	U	5.0	U	NA		**4.5**	
54	48	Naphthalene	**25**		**20**	J2	**52**	J2	**23**		**31**		**12**		**11**		**56**		230	U	25	U	25	U	NA		**82**	
55	49	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	50																											
57	51	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	52	**Method OR-DEQ**																										
59	53	**TPH-Diesel**	**0.68**		**0.75**		**1.1**		**1.2**		**1.2**		**0.51**		**1.0**		**9.5**		**2.0**		**0.37**		**0.46**		NA		**4.8**	
60	54	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	55	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	56																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2														Dup of B1										Dup of B1					
3		B1		B1		B1		B1		B1		B1		X		B1		B1		B1		B1		X		B1		B1	
4		BR55M		CB68E		CL03B		CT67H		DE68L		DM30L		DM30K		DW37B		ED23A		EM75J		ES04G		ES04A		EY88C		FF88O	
5		5/23/00		8/29/00		11/10/00		2/15/01		6/5/01		8/14/01		8/14/01		11/28/01		2/26/02		6/25/02		08/28/02		08/28/02		11/11/02		2/13/03	
7	**CHLORINATED PHENOLS (µg/L)**																												
8	**EPA Method SW8040**																												
9	Pentachlorophenol	**0.27**	J2	**0.43**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.65**		**1.0**		0.25	U	0.29	U	0.29	U	0.25	U	0.25	U
10	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																													
17	**SEMIVOLATILES (µg/L)**																												
18	**EPA Method SW8270**																												
19	Phenol	2.0	U	3.0	U	2.0	U	**2.6**		100	UJ	2.0	U	2.0	U	**6.2**		**15**		2.0	U	2.3	U	2.3	U	2.2	U	2	U
20	4-Methylphenol	**20**		**47**		**5.6**		**8.4**		**130**	J	**50**		**54**		**44**		**170**		**46**		1.2	U	**1.3**		1.1	U	**36**	
21	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	50	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1.2	U	1.1	U	1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	150	UJ	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	**4.1**		**4.5**		3.3	U	6.7	U
23	Benzoic Acid	**160**		**73**		10	U	10	U	500	UJ	10	U	10	U	50	U	50	U	50	U	58	U	58	U	54	U	51	U
24	Naphthalene	**34**		**27**		**2.0**		**5.1**		50	UJ	**13**		**14**		1.0	U	**17**		**15**		**2.8**		**3.3**		1.1	U	1	U
25	2-Methylnaphthalene	**12**		**9.6**		1.0	U	1.0	U	50	UJ	**6.8**		**7.4**		1.0	U	**10**		**5.9**		1.2	U	**1.8**		1.1	U	1	U
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	250	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.8	U	5.8	U	5.4	U	5.1	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	250	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.8	U	5.8	U	5.4	U	5.1	U
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	50	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1.2	U	1.1	U	1	U
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	50	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1.2	U	1.1	U	1	U
30	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	50	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1.2	U	1.1	U	1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	250	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.8	U	5.8	U	5.4	U	5.1	U
32	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	50	UJ	1.0	U	1.0	U	1.0	U	4.0	U	4.0	U	4.7	U	4.7	U	4.3	U	1	U
33																													
34	**VOLATILES (µg/L)**																												
35	**EPA Method SW8260**																												
36	Acetone	5.0	U	**410**		5.0	U	**1200**		**1100**		**230**		**280**		37	U	**250**		**18**		25	U	25	U	5	U	**78**	
37	Carbon Disulfide	1.0	U	25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	1.0	U	3.0	U	5	U	5	U	1	U	1	U
38	2-Butanone	**6.1**		120	U	**28**		**260**		100	U	100	U	**160**		**13**		**54**		15	U	25	U	25	U	5	U	**8.2**	M
39	Benzene	**990**		**1100**		**160**		**610**		**560**		**180**	J	**230**	J	**120**		**1000**		**240**		**160**		**130**		**19**		**65**	
40	Bromoform	1.0	U	25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	1.0	U	3.0	U	5	U	5	U	1	U	1	U
41	Toluene	**1800**		**3600**		**1200**		**2000**		**3400**		**1400**	J	**1900**	J	**800**		**2800**		**520**		**210**		**210**		**61**		**100**	
42	Ethylbenzene	**110**		**300**		**100**		**160**		**220**		**130**		**150**		**86**		**170**		**97**		**88**		**74**		**22**		**51**	
43	Styrene	**8.3**	M	25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	**4.3**		3.0	U	5	U	5	U	1	U	1	U
44	m,p-Xylene	**340**		**990**		**320**		**590**		**830**		**450**		**530**		**350**		**290**		**270**		**230**		**210**		**71**		**130**	
45	o-Xylene	**180**		**420**		**160**		**240**		**370**		**210**		**250**		**180**		**210**		**150**		**120**		**100**		**26**		**75**	
46	1,3,5-Trimethylbenzene	**18**		**37**		**15**		**31**		**37**		**33**		**37**		**29**		**37**		**22**		**18**		**19**		**9.3**		**18**	
47	1,2,4-Trimethylbenzene	**72**		**160**		**61**		**100**		**160**		**110**		**130**		**100**		**94**		**73**		**54**		**56**		**30**		**57**	
48	Isopropylbenzene	**10**		25	U	**9.0**		30	U	20	U	20	U	20	U	**11**		**12**		**11**		**7**		**8.5**		**21**		**9.7**	
49	n-Propylbenzene	**17**		**31**		**15**		30	U	**33**		**22**		**24**		**19**		**15**		**16**		**12**		**13**		**26**		**15**	
50	tert-Butylbenzene	1.0	U	25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	1.0	U	3.0	U	5	U	5	U	1	U	1	U
51	sec-Butylbenzene	**1.4**		25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	1.0	U	3.0	U	5	U	5	U	**2.2**		1	U
52	4-Isopropyltoluene	**1.1**		25	U	1.0	U	30	U	20	U	20	U	20	U	1.0	U	**1.0**		3.0	U	5	U	5	U	1	U	**1.1**	
53	n-Butylbenzene	2.0	U	25	U	1.8	U	30	U	20	U	20	U	20	U	3.2	U	**4.0**	M	3.0	U	5	U	5	U	**2.2**		2.8	U
54	Naphthalene	**36**		120	U	**25**		150	U	100	U	100	U	100	U	**39**		**37**		**24**		25	U	25	U	**9.1**		**13**	
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																													
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																												
58	**Method OR-DEQ**																												
59	**TPH-Diesel**	**0.44**		**1.4**		**0.37**		**2.1**		**47**		**8.7**	J	**6.9**	J	**0.94**		**12**		**1.3**		**0.64**		**0.9**		**0.84**		**6.8**	
60	**TPH-D Motor Oil**	0.50	U	0.50	U	0.50	U	0.50	U	5.0	U	5.0	U	5.0	U	0.5	U	0.50	U	0.50	U	0.5	U	0.5	U	0.5	U	0.5	U
61	**TPH-Gasoline**	**17**		**36**		**8.8**		**15**		**25**		**19**		**19**		**6.8**		**16**		**7.6**		**4.8**	J	**3.4**	J	**2.4**		**4.6**	
62																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
1														
2														
3		B1		B1		B1		B1		B1		B1		B1
4		FL41H		FU50E		FY64D		0402099-01		0408019-02		0502102-04		P5H1000-11
5		5/7/03		8/29/03		10/20/03		2/19/04		8/03/04		2/23/05		08/23/05
7	**CHLORINATED PHENOLS (µg/L)**													
8	**EPA Method SW8040**													
9	Pentachlorophenol	0.25	U	0.5	U	0.52	U	**2.46**	J	0.5	U	0.483	U	0.476 U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA
16														
17	**SEMIVOLATILES (µg/L)**													
18	**EPA Method SW8270**													
19	Phenol	**3.1**	M	2	U	2.1	U	1.91	U	1.96	U	2	U	5.00 U
20	4-Methylphenol	**28**		1	U	1	U	**12**		9.8	U	10	U	5.00 U
21	Isophorone	1	U	1	U	1	U	0.956	U	0.98	U	1	U	5.00 U
22	2,4-Dimethylphenol	3	U	3	U	**4.4**		2.87	U	2.94	U	3.01	U	10.0 U
23	Benzoic Acid	50	U	50	U	10	U	19.1	U	19.6	U	20	U	50.0 U
24	Naphthalene	**1.8**		**2.7**		**3.5**		**1.23**		0.98	U	1	U	5.00 U
25	2-Methylnaphthalene	1	U	**1.4**		**3**		0.956	U	0.98	U	1	U	5.00 U
26	2,4,6-Trichlorophenol	5	U	5	U	5.2	U	4.78	U	4.9	U	5.01	U	5.00 U
27	2,4,5-Trichlorophenol	5	U	5	U	5.2	U	4.78	U	4.9	U	5.01	U	5.00 U
28	Acenaphthene	1	U	1	U	1	U	0.956	U	0.98	U	1	U	5.00 U
29	Dibenzofuran	1	U	1	U	1	U	0.956	U	0.98	U	1	U	5.00 U
30	Fluorene	1	U	1	U	1	U	0.956	U	0.98	U	1	U	5.00 U
31	Pentachlorophenol	5	U	5	U	5.2	U	4.78	U	4.9	U	5.01	U	5 UJ
32	bis(2-Ethylhexyl)phthalate	1	U	1	U	**6.3**		0.956	U	0.98	U	1	U	10.0 U
33														
34	**VOLATILES (µg/L)**													
35	**EPA Method SW8260**													
36	Acetone	**61**	M	**28**		5	U	50	U	50	U	50	U	25.0 U
37	Carbon Disulfide	1	U	1	U	1	U	2	U	2	U	2	U	10.0 U
38	2-Butanone	**8.1**	M	5	U	5	U	10	U	10	U	10	U	10.0 U
39	Benzene	**82**		**20**		**5.6**		**36.9**		**1.71**	J	0.3	U	1.00 U
40	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1.00 U
41	Toluene	**100**		**22**		**2.1**		**9.07**		1	U	1	U	**1.35**
42	Ethylbenzene	**130**	J	**80**		**31**		**55.2**		**27.5**	J	**3.59**		**1.80**
43	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1.00 U
44	m,p-Xylene	**110**	J	**99**		**40**		**25.2**		**20.8**	J	2	U	2.00 U
45	o-Xylene	**86**	J	**35**		**9.2**		**15.2**		**2.6**	J	1	U	1.00 U
46	1,3,5-Trimethylbenzene	**11**	J	**9.3**		**3.6**		**9.64**		**1.15**	J	1	U	1.00 U
47	1,2,4-Trimethylbenzene	**30**	J	**28**		**12**		**26.6**		**3.13**	J	**2.58**		**3.01**
48	Isopropylbenzene	**6.3**	J	**5.2**		**3.3**		**5.53**		**1.95**	J	**2.36**		**3.01**
49	n-Propylbenzene	**7.6**	J	**7.3**		**4.5**		**8.05**		**2.57**	J	**4.97**		**4.61**
50	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00 U
51	sec-Butylbenzene	**1**	J	**1**		1	U	1	U	1	U	1	U	1.00 U
52	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	2.00 U
53	n-Butylbenzene	**1.8**	J	**1.6**	M	1	U	1	U	1	U	1	U	5.00 U
54	Naphthalene	**5.8**		**7.3**		5	U	**5.47**		**1.03**	J	**2.62**		**2.86**
55	Methyl tert-butyl ether	NA		NA		NA		1	U	1	U	1	U	1.00 U
56														
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**													
58	**Method OR-DEQ**													
59	**TPH-Diesel**	**2.4**		**1.6**		**2.7**		**2.26**		**0.978**		**9.29**		0.250 U
60	**TPH-D Motor Oil**	0.5	U	0.5	U	0.5	U	0.477	U	0.503	U	1.09	U	0.500 U
61	**TPH-Gasoline**	**4.8**		**3.0**		**1.2**		**2.6**		**0.652**		NA		**0.415**
62														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1	
4			S177D		T176N		U235H		V224R		W371K		Y336A		Z225M		Z960E		AH49B		AU36A		BC30D		9912050-01A		BH96T	
5			4/2/97		7/16/97		10/22/97		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00	
63	57	**PRIORITY POLLUTANT**																										
64	58	**METALS (mg/L)**																										
65	59	Arsenic (7060)	**0.006**		**0.008**		0.05	U	0.05	U	**0.010**		**0.008**		**0.008**		**0.004**		**0.006**		**0.008**		**0.006**		NA		**0.006**	
66	60	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U
67	61	Copper (6010)	**0.009**		**0.009**		**0.004**		**0.006**		**0.002**		0.002	U	0.002	U	**0.078**		**0.043**		**0.008**		0.002	U	NA		**0.004**	
68	62	Lead (7421)	0.001	U	**0.001**		0.02	U	0.02	U	**0.003**		0.001	U	0.001	U	**0.002**		**0.002**		0.001	U	0.001	U	NA		0.001	U
69	63	Nickel (6010)	**0.02**		**0.01**		0.01	U	**0.02**		**0.02**		**0.02**		0.01	U	**0.04**		**0.03**		**0.03**		**0.01**		NA		**0.06**	
70	64	Zinc (6010)	0.004	U	**0.009**		**0.027**		**0.004**		**0.006**	J2	**0.011**		**0.005**		**0.017**	J	**0.006**		**0.009**		0.006	U	NA		**0.020**	
71	65																											
72	66	**MAJOR IONS AND CONVENTIONALS**																										
73	67	Calcium (mg/L) (6010)	**42.2**		**25.7**		**16.3**		**26.7**		NA		NA		NA		**16.5**		NA		NA		NA		NA		NA	
74	68	Magnesium (mg/L) (6010)	**16.3**		**9.41**		**6.93**		**9.05**		NA		NA		NA		**3.94**		NA		NA		NA		NA		NA	
75	69	Potassium (mg/L) (6010)	**4.2**		**3.3**		**3.2**		**3.4**		NA		NA		NA		**2.7**		NA		NA		NA		NA		NA	
76	70	Sodium (mg/L) (6010)	**8.65**		**7.49**		**7.88**		**7.63**		NA		NA		NA		**6.29**		NA		NA		NA		NA		NA	
77	71	Alkalinity (mg/L CaCO3) (SM 2320)	**190**		**140**	J2	**130**		**170**		NA		NA		NA		**43**		NA		NA		NA		NA		NA	
78	72	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA		NA	
79	73	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**190**		**140**	J2	**130**		**170**		NA		NA		NA		**43**		NA		NA		NA		NA		NA	
80	74	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**200**	J2	**190**		**290**		**360**		**430**		**260**		**170**		**210**		**160**		**150**		NA		**250**	
81	75	Chloride (mg/L) (EPA 325.2)	**5.1**		**5.9**		**5.6**		**4.3**		**3.5**		**3.4**		**2.4**		**2.0**		**7.9**		**3.8**		**6.6**		NA		**3.8**	
82	76	N-Nitrate (mg-N/L) (Calculated)	**0.014**		0.010	U	**0.023**		**0.036**	J2	NA		NA		NA		0.010	U	NA		NA		NA		NA		NA	
83	77	N-Nitrite (mg-N/L) (EPA 354.1)	0.017	J	**0.053**	J2	**0.033**		0.010	UJ	NA		NA		NA		**0.015**		NA		NA		NA		NA		NA	
84	78	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	0.031		**0.032**	J2	**0.056**		**0.036**	J2	NA		NA		NA		**0.013**		NA		NA		NA		NA		NA	
85	79	Sulfate (mg/L) (EPA 375.2)	2.5	U	2.5	U	**5.3**		2.5	U	NA		NA		NA		**2.8**		NA		NA		NA		NA		NA	
86	80																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2														Dup of B1										Dup of B1					
3		B1		B1		B1		B1		B1		B1		X		B1		B1		B1		B1		X		B1		B1	
4		BR55M		CB68E		CL03B		CT67H		DE68L		DM30L		DM30K		DW37B		ED23A		EM75J		ES04G		ES04A		EY88C		FF88O	
5		5/23/00		8/29/00		11/10/00		2/15/01		6/5/01		8/14/01		8/14/01		11/28/01		2/26/02		6/25/02		08/28/02		08/28/02		11/11/02		2/13/03	
63	**PRIORITY POLLUTANT**																												
64	**METALS (mg/L)**																												
65	Arsenic (7060)	**0.004**		**0.007**		**0.007**		**0.007**		**0.010**		**0.009**		**0.009**		**0.007**		**0.006**		**0.006**		**0.004**	J	**0.006**	J	0.05	U	**0.012**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.03**		**0.017**	
67	Copper (6010)	**0.004**		0.002	U	**0.081**		0.002	U	0.002	U	0.002	U	0.002	U	**0.016**	J	**0.062**		**0.016**		**0.004**		0.002	U	**0.073**		**0.107**	
68	Lead (7421)	0.001	U	0.001	U	0.001	U	0.001	U	**0.002**		0.001	U	0.001	U	**0.008**		**0.004**		**0.003**		0.001	U	0.001	U	**0.03**		**0.028**	
69	Nickel (6010)	**0.03**		**0.01**		0.01	U	0.01	U	**0.12**		0.01	U	0.01	U	0.01	U	**0.08**		**0.07**		0.01	U	0.01	U	**0.05**		**0.04**	
70	Zinc (6010)	0.006	U	0.006	U	0.006	U	**0.006**		**0.054**		0.006	U	0.006	U	**0.015**	J	**0.033**		**0.016**		**0.007**		0.006	U	**0.119**		**0.085**	
71																													
72	**MAJOR IONS AND CONVENTIONALS**																												
73	Calcium (mg/L) (6010)	NA		NA		NA		**23.9**		**88.1**		**15.2**		**16.4**		**19.2**	J	**35.7**		NA		NA		NA		NA		**17.3**	
74	Magnesium (mg/L) (6010)	NA		NA		NA		**9.46**		**40.8**		**6.11**		**6.64**		**7.26**	J	**15.7**		NA		NA		NA		NA		**8.66**	
75	Potassium (mg/L) (6010)	NA		NA		NA		**2.6**		**5.1**		**2.1**		**2.5**		**2.4**		**4.6**		NA		NA		NA		NA		**3.6**	
76	Sodium (mg/L) (6010)	NA		NA		NA		**8.18**		**13.3**		**6.43**		**6.89**		**7.22**		**12.3**		NA		NA		NA		NA		**7.8**	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		**160**		NA		NA		NA		NA		**140**		NA		NA		NA		NA		**70**	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		1.0	U	NA		NA		NA		NA		1.0	U	NA		NA		NA		NA		1	U
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		**160**		NA		NA		NA		NA		**140**		NA		NA		NA		NA		**70**	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**220**		**170**		**140**		**250**		**1400**		**140**		**130**		**150**		**430**		**330**		**140**		**140**		**150**		**170**	
81	Chloride (mg/L) (EPA 325.2)	**7.2**		**1.7**		**2.5**		**3.4**	J	**2.8**		**8.0**	J	**6.0**	J	**2.2**		**3.2**		**6.2**		**5.1**		**4**		**3**		**6.4**	
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		0.010	U	NA		NA		NA		NA		0.010	U	NA		NA		NA		NA		**0.029**	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		**0.012**	J	NA		NA		NA		NA		**0.021**		NA		NA		NA		NA		**0.03**	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		**0.015**		NA		NA		NA		NA		**0.020**	J	NA		NA		NA		NA		**0.059**	
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		**2.8**		NA		NA		NA		NA		2.5	U	NA		NA		NA		NA		**5.7**	
86																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
1														
2														
3		B1		B1		B1		B1		B1		B1		B1
4		FL41H		FU50E		FY64D		0402099-01		0408019-02		0502102-04		P5H1000-11
5		5/7/03		8/29/03		10/20/03		2/19/04		8/03/04		2/23/05		08/23/05
63	**PRIORITY POLLUTANT**													
64	**METALS (mg/L)**													
65	Arsenic (7060)	**0.007**		**0.007**		**0.007**		**0.003**		**0.00636**		**0.00444**		**0.00353**
66	Chromium (6010)	**0.008**		0.005	U	**0.006**		0.005	U	0.005	U	**0.0088**		0.001 U
67	Copper (6010)	**0.041**		**0.004**		**0.015**		**0.0117**		0.01	U	0.01	U	0.001 U
68	Lead (7421)	**0.009**		0.001	U	**0.005**		**0.0007**		0.0001	U	**0.00117**		0.001 U
69	Nickel (6010)	**0.03**		0.01	U	**0.01**		**0.0075**		0.005	U	0.005	U	**0.00236**
70	Zinc (6010)	**0.037**	J	**0.007**		**0.018**		0.01	U	**0.0166**		0.01	U	0.01 U
71														
72	**MAJOR IONS AND CONVENTIONALS**													
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**140**		**210**		**210**		**116**		**215**		**170**		**186**
81	Chloride (mg/L) (EPA 325.2)	**2.9**		**2.4**		**3**		**3.31**		**3.63**		**4**		**2.92**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA
86														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1	
4			S177D		T176N		U235H		V224R		W371K		Y336A		Z225M		Z960E		AH49B		AU36A		BC30D		9912050-01A		BH96T	
5			4/2/97		7/16/97		10/22/97		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00	
87	81	**FIELD PARAMETERS**																										
88	82	pH (avg)	6.59		6.61		6.64		6.41		5.64		5.28		5.37		5.11		5.36		6.18		5.93		NM		4.81	
89	83	Temperature (° C) (avg)	13.5		15.3		15.7		14.5		12.6		15.5		14.2		12.8		13.4		15.4		13.0		NM		12.3	
90	84	Conductivity (um/hos)	466		359		286		457		392		605		379		363		254		263		306		NM		335	
91	85	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		1.29		1.83		1.75		2.18		2.20		2.61		1.81		NM		2.15	
92	86																											
93	87	**DIOXINS AND FURANS (ng/L)**																										
94	88	**Method 8290**																										
95	89	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	90	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	91	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	92	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	93	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	94	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	95	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	96	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	97	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	98	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	99	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	100	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	101	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	102	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	103	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	104	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	105	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	106	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	107	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	108	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	109	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	110	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	111	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	112	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	113	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120	114																											
121	115	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**4200**	J2	**6300**	J2	**5100**	
122	116																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2														Dup of B1										Dup of B1					
3		B1		B1		B1		B1		B1		B1		X		B1		B1		B1		B1		X		B1		B1	
4		BR55M		CB68E		CL03B		CT67H		DE68L		DM30L		DM30K		DW37B		ED23A		EM75J		ES04G		ES04A		EY88C		FF88O	
5		5/23/00		8/29/00		11/10/00		2/15/01		6/5/01		8/14/01		8/14/01		11/28/01		2/26/02		6/25/02		08/28/02		08/28/02		11/11/02		2/13/03	
87	**FIELD PARAMETERS**																												
88	pH (avg)	6.02		6.13		4.89		5.53		4.70		6.43		6.49		6.14		4.97		6.50		6.50		6.50		6.8		6.34	
89	Temperature (° C) (avg)	14.9		17.7		13.4		13.1		14.0		15.1		15.2		13.0		13.1		16.4		16.7		16.8		15.8		14.2	
90	Conductivity (um/hos)	297		243		222		297		1883		259		248		270		501		718		432		413		268		274	
91	Dissolved oxygen (mg/L) (avg)	1.55		1.51		0.84		1.08		1.42		1.59		1.61		3.58		5.92		4.21		0.79		0.60		1.64		0	
92																													
93	**DIOXINS AND FURANS (ng/L)**																												
94	**Method 8290**																												
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																													
121	**ETHANOL (mg/L)**	**16**		5.0	U	5.0	U	**5.0**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
1														
2														
3		B1		B1		B1		B1		B1		B1		B1
4		FL41H		FU50E		FY64D		0402099-01		0408019-02		0502102-04		P5H1000-11
5		5/7/03		8/29/03		10/20/03		2/19/04		8/03/04		2/23/05		08/23/05
87	**FIELD PARAMETERS**													
88	pH (avg)	6.23		6.52		6.51		4.99		7.5		6.7		6.16
89	Temperature (° C) (avg)	14.4		16		15.9		14		15.8		15.2		15.7
90	Conductivity (um/hos)	170		285		285		97		361		195		199
91	Dissolved oxygen (mg/L) (avg)	2.54		1.73		1.48		1.77		NM		0.38		NM
92														
93	**DIOXINS AND FURANS (ng/L)**													
94	**Method 8290**													
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA
120														
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA
122														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1		B1	
4			S177D		T176N		U235H		V224R		W371K		Y336A		Z225M		Z960E		AH49B		AU36A		BC30D		9912050-01A		BH96T	
5			4/2/97		7/16/97		10/22/97		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00	
123	117	**PAHs (µg/L)**																										
124	118	**EPA Method SW8270 SIM**																										
125	119	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	120	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	121	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	122	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	123	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	124	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	125	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2														Dup of B1										Dup of B1					
3		B1		B1		B1		B1		B1		B1		X		B1		B1		B1		B1		X		B1		B1	
4		BR55M		CB68E		CL03B		CT67H		DE68L		DM30L		DM30K		DW37B		ED23A		EM75J		ES04G		ES04A		EY88C		FF88O	
5		5/23/00		8/29/00		11/10/00		2/15/01		6/5/01		8/14/01		8/14/01		11/28/01		2/26/02		6/25/02		08/28/02		08/28/02		11/11/02		2/13/03	
123	**PAHs (µg/L)**																												
124	**EPA Method SW8270 SIM**																												
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ
1														
2														
3		B1		B1		B1		B1		B1		B1		B1
4		FL41H		FU50E		FY64D		0402099-01		0408019-02		0502102-04		P5H1000-11
5		5/7/03		8/29/03		10/20/03		2/19/04		8/03/04		2/23/05		08/23/05
123	**PAHs (µg/L)**													
124	**EPA Method SW8270 SIM**													
125	Naphthalene	NA		NA		NA		NA		NA		NA		**0.384**
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		NA		0.98	U	NA		0.100 U
128	Acenaphthene	NA		NA		NA		NA		NA		NA		0.100 U
129	Fluorene	NA		NA		NA		NA		NA		NA		0.100 U
130	Anthracene	NA		NA		NA		NA		0.98	U	NA		0.100 U
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			D		D		D		D		D		D		D		D		D		D		D		D		D	
4			S177L		T176B		U235F		V208H		W391B		Y336D		Z225I		Z960I		AH76J		AU22D		BC27N		9912050-02A		BH96B	
5			4/2/97		7/15/97		10/22/97		1/28/98		5/19/98		8/18/98		11/13/98		2/18/99		5/19/99		9/20/99		12/8/99		12/8/1999 (d)		2/17/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	**0.25**		0.25	U	**0.45**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	NA		2.0	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
21	15	Isophorone	**3.4**		**5.5**		**5.2**			R	1.0	U	1.0	U	1.0	U	**2.4**		1.0	U	1.0	U	1.0	U	NA		1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	UJ	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	NA		3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	UJ	10	U	10	U	10	U	10	U	10	U	10	U	10	U	NA		10	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U		R	1.0	U	1.0	U	1.0	U	**3.1**		1.0	U	1.0	U	**3.2**		NA		1.0	U
25	19	2-Methylnaphthalene	1.2		1.0	U	1.0	U		R	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U		R	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U		R	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.4**		1.0	U	NA		1.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.7**		NA		1.0	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.9**		NA		1.0	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.6**		NA		1.0	U
47	41	1,2,4-Trimethylbenzene	**2.2**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.2**		1.0	U	1.0	U	**15**		NA		**1.0**	
48	42	Isopropylbenzene	**1.6**		**2.7**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.7**		1.0	U	1.0	U	**11**		NA		**2.5**	
49	43	n-Propylbenzene	**1.7**		**2.5**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**5.6**		NA		**1.1**	
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
51	45	sec-Butylbenzene	**1.6**		**2.1**		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.5	U	NA		**2.0**	
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
53	47	n-Butylbenzene	1.0	U	**1.0**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	**0.82**		**0.82**		**0.55**		0.25	U	**0.34**		**0.35**		0.25	U	**0.52**		0.25	U	0.25	U	**0.56**		NA		**0.40**	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		D		D		D		D		D		D		D		D		D		D		D		D		D		D	
4		BR55E		CB49D		CK77F		CT37F		DE68G		DM30M		DW37E		ED34G		EM85B		ER93P		EZ03C		FF76G		FL58K		FU45C	
5		5/22/00		8/28/00		11/7/00		2/12/01		6/4/01		8/14/01		11/28/01		2/28/02		6/26/02		08/27/02		11/12/02		2/12/03		5/8/03		8/28/03	
7	**CHLORINATED PHENOLS (µg/L)**																												
8	**EPA Method SW8040**																												
9	Pentachlorophenol	0.25	UJ	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.55**		**0.32**		**0.38**		0.33	U	0.25	U	0.26	U	0.25	U	**0.86**	J
10	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																													
17	**SEMIVOLATILES (µg/L)**																												
18	**EPA Method SW8270**																												
19	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.6	U	2.2	U	2.1	U	2	U	2	U
20	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
21	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.9	U	3.3	U	3.1	U	3	U	3	U
23	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	50	U	50	U	50	U	66	U	54	U	52	U	50	U	50	U
24	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3**		1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
25	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	6.6	U	5.4	U	5.2	U	5	U	5	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	6.6	U	5.4	U	5.2	U	5	U	5	U
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
30	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.3	U	1.1	U	1	U	1	U	1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	6.6	U	5.4	U	5.2	U	5	U	5	U
32	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**12**		4.0	U	4.0	U	5.3	U	4.3	U	1	U	**150**		1	U
33																													
34	**VOLATILES (µg/L)**																												
35	**EPA Method SW8260**																												
36	Acetone	5.0	U	5.0	U	5.0	U	7.1	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	5	U	5	U	5	U
37	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
38	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	5	U	5	U	5	U
39	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
40	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
41	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
42	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.6**		**1.7**		1.0	U	1	U	1	U	1	U	1	U	1	U
43	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
44	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.6**		1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
45	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
46	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.0**		**1.9**		1.0	U	1	U	1	U	1	U	1	U	1	U
47	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**23**		**38**		**1.2**		1	U	1	U	1	U	1	U	1	U
48	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**6.0**		**7.7**		1.0	U	**3**		1	U	1	U	1	U	**3.4**	
49	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**2.7**		**7.7**		1.0	U	**3.6**		1	U	1	U	1	U	**2.6**	
50	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
51	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**5.3**		1.0	U	**2.1**		1	U	1	U	1	U	**1.2**	
52	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.8**		1.0	U	1	U	1	U	1	U	1	U	1	U
53	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.5**		1.0	U	1	U	1	U	1	U	1	U	1	U
54	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	7.5	U	5.0	U	**8.2**		5.0	U	5	U	5	U	5	U	5	U	5	U
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																													
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																												
58	**Method OR-DEQ**																												
59	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	**0.26**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1										
2										
3		D		D		D		D		D
4		FY82H		0402105-03		0408036-01		0502102-05		P5H0853-07
5		10/23/03		2/20/04		8/05/04		2/23/05		08/19/05
6										
7	**CHLORINATED PHENOLS (µg/L)**									
8	**EPA Method SW8040**									
9	Pentachlorophenol	**0.61**		0.498	U	0.5	U	0.481	U	0.500 U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA
16										
17	**SEMIVOLATILES (µg/L)**									
18	**EPA Method SW8270**									
19	Phenol	2	U	1.98	U	2	U	2.02	U	5.00 U
20	4-Methylphenol	1	U	9.91	U	10	U	10.1	U	5.00 U
21	Isophorone	1	U	0.991	U	1	U	1.01	U	5.00 U
22	2,4-Dimethylphenol	3	U	2.97	U	3	U	3.03	U	10.0 U
23	Benzoic Acid	10	U	19.8	U	20	U	20.2	U	50.0 U
24	Naphthalene	1	U	0.991	U	1	U	1.01	U	5.00 U
25	2-Methylnaphthalene	1	U	0.991	U	1	U	1.01	U	5.00 U
26	2,4,6-Trichlorophenol	5.1	U	4.96	U	5	U	5.05	U	5.00 U
27	2,4,5-Trichlorophenol	5.1	U	4.96	U	5	U	5.05	U	5.00 U
28	Acenaphthene	1	U	0.991	U	1	U	1.01	U	5.00 U
29	Dibenzofuran	1	U	0.991	U	1	U	1.01	U	5.00 U
30	Fluorene	1	U	0.991	U	1	U	1.01	U	5.00 U
31	Pentachlorophenol	5.1	U	4.96	U	5	U	5.05	U	10.0 U
32	bis(2-Ethylhexyl)phthalate	1	U	0.991	U	1	U	1.01	U	10.0 U
33										
34	**VOLATILES (µg/L)**									
35	**EPA Method SW8260**									
36	Acetone	5	U	50	U	50	U	50	U	25.0 U
37	Carbon Disulfide	1	U	2	U	2	U	2	U	10.0 U
38	2-Butanone	5	U	10	U	10	U	10	U	10.0 U
39	Benzene	1	U	0.4	U	0.3	U	0.3	U	1.00 U
40	Bromoform	1	U	1	U	1	U	1	U	1.00 U
41	Toluene	1	U	1	U	1	U	1	U	1.00 U
42	Ethylbenzene	1	U	1	U	1	U	1	U	1.00 U
43	Styrene	1	U	1	U	1	U	1	U	1.00 U
44	m,p-Xylene	1	U	2	U	2	U	2	U	2.00 U
45	o-Xylene	1	U	1	U	1	U	1	U	1.00 U
46	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1.00 U
47	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1.00 U
48	Isopropylbenzene	**1.1**		1	U	**1.13**	J	1	U	2.00 U
49	n-Propylbenzene	1	U	1	U	**1.19**	J	1	U	**1.71**
50	tert-Butylbenzene	1	U	1	U	1	U	1	U	1.00 U
51	sec-Butylbenzene	1	U	1	U	1	U	1	U	1.00 U
52	4-Isopropyltoluene	1	U	1	U	1	U	1	U	2.00 U
53	n-Butylbenzene	1	U	1	U	1	U	1	U	5.00 U
54	Naphthalene	5	U	1	U	1	U	1	U	2.00 U
55	Methyl tert-butyl ether	NA		1	U	1	U	1	U	1.00 U
56										
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**									
58	**Method OR-DEQ**									
59	**TPH-Diesel**	NA		NA		NA		NA		NA
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA
61	**TPH-Gasoline**	NA		NA		NA		NA		NA
62										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			D		D		D		D		D		D		D		D		D		D		D		D		D	
4			S177L		T176B		U235F		V208H		W391B		Y336D		Z225I		Z960I		AH76J		AU22D		BC27N		9912050-02A		BH96B	
5			4/2/97		7/15/97		10/22/97		1/28/98		5/19/98		8/18/98		11/13/98		2/18/99		5/19/99		9/20/99		12/8/99		12/8/1999 (d)		2/17/00	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	**0.013**		**0.013**		0.05	U	0.05	U	**0.016**		**0.014**		**0.018**		**0.021**		**0.015**		**0.016**		**0.015**		NA		**0.019**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U
67	60	Copper (6010)	**0.003**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.004**		0.002	U	0.002	U	0.002	U	NA		0.002	U
68	61	Lead (7421)	0.001	U	0.001	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	**0.004**		0.001	U	0.001	U	0.001	U	NA		0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U
70	63	Zinc (6010)	0.004	U	0.004	U	0.004	U	0.004	U	**0.007**	J2	0.004	U	0.004	U	**0.020**	J	0.004	U	0.004	U	0.008	U	NA		0.006	U
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**45.0**		**42.8**		**52.4**		**58.0**		NA		NA		NA		**49.1**		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**16.2**		**15.4**		**18.8**		**20.9**		NA		NA		NA		**16.9**		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**2.3**		**2.1**		**2.6**		**2.2**		NA		NA		NA		**2.7**		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**8.31**		**7.96**		**9.13**		**9.54**		NA		NA		NA		**9.67**		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**200**		**180**		**220**		**280**		NA		NA		NA		**210**		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**200**		**180**		**220**		**280**		NA		NA		NA		**210**		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**230**	J2	**240**		**300**		**240**		**240**		**230**		**250**		**260**		**280**		**190**		NA		**310**	
81	74	Chloride (mg/L) (EPA 325.2)	**11**		**2.0**		**2.4**		**2.4**		**3.2**		**1.4**		**2.1**		**2.8**		**2.0**		**2.8**		**2.8**		NA		**3.4**	
82	75	N-Nitrate (mg-N/L) (Calculated)	0.010	U	0.010	U	0.010	U	0.010	U	NA		NA		NA		**0.049**		NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	**0.022**	J	0.010	U	0.010	U	**0.011**		NA		NA		NA		**0.015**		NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.03**		0.010	U	0.010	U	**0.014**		NA		NA		NA		**0.064**		NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	2.5	U	2.5	U	**4.7**		2.5	U	NA		NA		NA		**5.8**		NA		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		D		D		D		D		D		D		D		D		D		D		D		D		D		D	
4		BR55E		CB49D		CK77F		CT37F		DE68G		DM30M		DW37E		ED34G		EM85B		ER93P		EZ03C		FF76G		FL58K		FU45C	
5		5/22/00		8/28/00		11/7/00		2/12/01		6/4/01		8/14/01		11/28/01		2/28/02		6/26/02		08/27/02		11/12/02		2/12/03		5/8/03		8/28/03	
63	**PRIORITY POLLUTANT**																												
64	**METALS (mg/L)**																												
65	Arsenic (7060)	**0.019**		**0.016**		**0.014**		**0.016**		**0.016**		**0.018**		**0.021**		**0.014**		**0.013**		**0.017**		0.05	U	**0.016**		**0.022**		**0.017**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
67	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.002**		0.002	U	**0.003**		0.002	U	0.002	U	0.002	U	0.002	U
68	Lead (7421)	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	0.02	U	0.001	U	**0.002**		0.001	U
69	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	Zinc (6010)	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.019**		0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U
71																													
72	**MAJOR IONS AND CONVENTIONALS**																												
73	Calcium (mg/L) (6010)	NA		NA		NA		**40.6**		**43.4**		**34.3**		**40.1**	J	**32.2**		NA		NA		NA		**75.2**		NA		NA	
74	Magnesium (mg/L) (6010)	NA		NA		NA		**13.8**		**14.9**		**12.0**		**14.0**	J	**11.3**		NA		NA		NA		**26.1**		NA		NA	
75	Potassium (mg/L) (6010)	NA		NA		NA		**1.8**		**2.2**		**1.9**		**2.2**		**2.0**		NA		NA		NA		**3**		NA		NA	
76	Sodium (mg/L) (6010)	NA		NA		NA		**7.40**		**7.64**		**6.73**		**7.77**		**7.57**		NA		NA		NA		**10.8**		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		**200**		NA		NA		NA		**140**		NA		NA		NA		**350**		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		1	U	NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		**200**		NA		NA		NA		**140**		NA		NA		NA		**350**		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**290**		**230**		**220**		**240**		**240**		**180**		**220**		**200**		**260**		**320**		**320**		**360**		**350**		**290**	
81	Chloride (mg/L) (EPA 325.2)	**3.2**		**3.1**		**5.4**		**5.4**		**2.4**		**4.5**		**2.4**		**2.9**		**3.3**		**3**		**3.1**		**4.2**		**3.5**		**1.8**	
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		0.010	U	NA		NA		NA		**0.020**		NA		NA		NA		**0.19**		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		0.010	U	NA		NA		NA		0.010	U	NA		NA		NA		0.01	U	NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		0.010	UJ	NA		NA		NA		**0.020**		NA		NA		NA		**0.19**		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		**6.1**		NA		NA		NA		**12**		NA		NA		NA		**4**		NA		NA	
86																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1										
2										
3		D		D		D		D		D
4		FY82H		0402105-03		0408036-01		0502102-05		P5H0853-07
5		10/23/03		2/20/04		8/05/04		2/23/05		08/19/05
63	**PRIORITY POLLUTANT**									
64	**METALS (mg/L)**									
65	Arsenic (7060)	**0.018**		**0.021**		**0.0185**		**0.0188**		**0.0188**
66	Chromium (6010)	0.005	U	**0.0078**		**0.019**		**0.0097**		0.001 U
67	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	0.001 U
68	Lead (7421)	0.001	U	**0.0021**		0.0001	U	0.000146	U	0.001 U
69	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	**0.00152**
70	Zinc (6010)	0.006	U	0.01	U	0.01	U	0.01	U	0.01 U
71										
72	**MAJOR IONS AND CONVENTIONALS**									
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**260**		**291**		**308**		**244**		**307**
81	Chloride (mg/L) (EPA 325.2)	**2.4**		**3.69**		**3.52**		**3.83**		**3.37**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		0.100 U
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		**11.1**
86										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			D		D		D		D		D		D		D		D		D		D		D		D		D	
4			S177L		T176B		U235F		V208H		W391B		Y336D		Z225I		Z960I		AH76J		AU22D		BC27N		9912050-02A		BH96B	
5			4/2/97		7/15/97		10/22/97		1/28/98		5/19/98		8/18/98		11/13/98		2/18/99		5/19/99		9/20/99		12/8/99		12/8/1999 (d)		2/17/00	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.85		6.68		6.96		6.83		6.44		6.53		6.26		6.74		6.24		6.11		6.53		NM		6.69	
89	82	Temperature (° C) (avg)	13.4		14.6		14.7		14.3		14.9		15.1		13.5		12.8		13.1		15.3		13.5		NM		13.7	
90	83	Conductivity (um/hos)	391		409		366		487		424		481		415		472		422		414		319		NM		531	
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		2.65		1.70		1.70		1.75		2.08		1.69		2.47		NM		5.09	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		10	U	NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		D		D		D		D		D		D		D		D		D		D		D		D		D		D	
4		BR55E		CB49D		CK77F		CT37F		DE68G		DM30M		DW37E		ED34G		EM85B		ER93P		EZ03C		FF76G		FL58K		FU45C	
5		5/22/00		8/28/00		11/7/00		2/12/01		6/4/01		8/14/01		11/28/01		2/28/02		6/26/02		08/27/02		11/12/02		2/12/03		5/8/03		8/28/03	
87	**FIELD PARAMETERS**																												
88	pH (avg)	6.77		6.47		5.41		6.52		6.65		6.94		6.62		6.58		6.42		6.77		6.63		7.06		6.82		6.93	
89	Temperature (° C) (avg)	12.1		15.4		14.3		14.2		14.4		14.5		15.0		11.9		13.8		15.7		14.6		15.6		14.5		14.9	
90	Conductivity (um/hos)	446		357		300		331		344		331		334		260		452		442		532		707		495		410	
91	Dissolved oxygen (mg/L) (avg)	1.99		1.56		2.04		1.29		1.29		1.54		4.01		7.74		4.39		0.69		2.16		0		2.71		1.84	
92																													
93	**DIOXINS AND FURANS (ng/L)**																												
94	**Method 8290**																												
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																													
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1										
2										
3		D		D		D		D		D
4		FY82H		0402105-03		0408036-01		0502102-05		P5H0853-07
5		10/23/03		2/20/04		8/05/04		2/23/05		08/19/05
87	**FIELD PARAMETERS**									
88	pH (avg)	6.71		6.61		6.12		6.79		6.57
89	Temperature (° C) (avg)	15.0		13.1		14.9		15.2		16.2
90	Conductivity (um/hos)	382		441		630		210		377
91	Dissolved oxygen (mg/L) (avg)	1.66		2.36		2.21		0		NM
92										
93	**DIOXINS AND FURANS (ng/L)**									
94	**Method 8290**									
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA
120										
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA
122										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			D		D		D		D		D		D		D		D		D		D		D		D		D	
4			S177L		T176B		U235F		V208H		W391B		Y336D		Z225I		Z960I		AH76J		AU22D		BC27N		9912050-02A		BH96B	
5			4/2/97		7/15/97		10/22/97		1/28/98		5/19/98		8/18/98		11/13/98		2/18/99		5/19/99		9/20/99		12/8/99		12/8/1999 (d)		2/17/00	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		D		D		D		D		D		D		D		D		D		D		D		D		D		D	
4		BR55E		CB49D		CK77F		CT37F		DE68G		DM30M		DW37E		ED34G		EM85B		ER93P		EZ03C		FF76G		FL58K		FU45C	
5		5/22/00		8/28/00		11/7/00		2/12/01		6/4/01		8/14/01		11/28/01		2/28/02		6/26/02		08/27/02		11/12/02		2/12/03		5/8/03		8/28/03	
123	**PAHs (µg/L)**																												
124	**EPA Method SW8270 SIM**																												
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM
1										
2										
3		D		D		D		D		D
4		FY82H		0402105-03		0408036-01		0502102-05		P5H0853-07
5		10/23/03		2/20/04		8/05/04		2/23/05		08/19/05
123	**PAHs (µg/L)**									
124	**EPA Method SW8270 SIM**									
125	Naphthalene	NA		NA		NA		NA		NA
126	2-Methylnaphthalene	NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		1	U	NA		NA
128	Acenaphthene	NA		NA		NA		NA		NA
129	Fluorene	NA		NA		NA		NA		NA
130	Anthracene	NA		NA		1	U	NA		NA
131	Dibenzofuran	NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			F	
4			Y314H	
5			8/18/98	
6				
7	1	**CHLORINATED PHENOLS (µg/L)**		
8	2	**EPA Method SW8040**		
9	3	Pentachlorophenol	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U
16	10			
17	11	**SEMIVOLATILES (µg/L)**		
18	12	**EPA Method SW8270**		
19	13	Phenol	2.0	U
20	14	4-Methylphenol	1.0	U
21	15	Isophorone	1.0	U
22	16	2,4-Dimethylphenol	3.0	U
23	17	Benzoic Acid	10	U
24	18	Naphthalene	1.0	U
25	19	2-Methylnaphthalene	1.0	U
26	20	2,4,6-Trichlorophenol	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U
28	22	Acenaphthene	1.0	U
29	23	Dibenzofuran	1.0	U
30	24	Fluorene	1.0	U
31	25	Pentachlorophenol	5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	U
33	27			
34	28	**VOLATILES (µg/L)**		
35	29	**EPA Method SW8260**		
36	30	Acetone	5.0	U
37	31	Carbon Disulfide	1.0	U
38	32	2-Butanone	5.0	U
39	33	Benzene	1.0	U
40	34	Bromoform	1.0	U
41	35	Toluene	1.0	U
42	36	Ethylbenzene	1.0	U
43	37	Styrene	1.0	U
44	38	m,p-Xylene	1.0	U
45	39	o-Xylene	1.0	U
46	40	1,3,5-Trimethylbenzene	1.0	U
47	41	1,2,4-Trimethylbenzene	1.0	U
48	42	Isopropylbenzene	1.0	U
49	43	n-Propylbenzene	1.0	U
50	44	tert-Butylbenzene	1.0	U
51	45	sec-Butylbenzene	1.0	UJ
52	46	4-Isopropyltoluene	1.0	U
53	47	n-Butylbenzene	1.0	U
54	48	Naphthalene	5.0	U
55	48.5	Methyl tert-butyl ether	NA	
56	49			
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**		
58	51	**Method OR-DEQ**		
59	52	**TPH-Diesel**	0.25	U
60	53	**TPH-D Motor Oil**	NA	
61	54	**TPH-Gasoline**	NA	
62	55			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			F	
4			Y314H	
5			8/18/98	
63	56	**PRIORITY POLLUTANT**		
64	57	**METALS (mg/L)**		
65	58	Arsenic (7060)	**0.034**	
66	59	Chromium (6010)	**0.042**	
67	60	Copper (6010)	**0.016**	
68	61	Lead (7421)	**0.006**	
69	62	Nickel (6010)	**0.03**	
70	63	Zinc (6010)	**0.047**	
71	64			
72	65	**MAJOR IONS AND CONVENTIONALS**		
73	66	Calcium (mg/L) (6010)	NA	
74	67	Magnesium (mg/L) (6010)	NA	
75	68	Potassium (mg/L) (6010)	NA	
76	69	Sodium (mg/L) (6010)	NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**200**	
81	74	Chloride (mg/L) (EPA 325.2)	**1.1**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA	
86	79			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			F	
4			Y314H	
5			8/18/98	
87	80	**FIELD PARAMETERS**		
88	81	pH (avg)	6.37	
89	82	Temperature (° C) (avg)	14.2	
90	83	Conductivity (um/hos)	448	
91	84	Dissolved oxygen (mg/L) (avg)	2.30	
92	85			
93	86	**DIOXINS AND FURANS (ng/L)**		
94	87	**Method 8290**		
95	88	2,3,7,8-TCDF	NA	
96	89	Total TCDF	NA	
97	90	2,3,7,8-TCDD	NA	
98	91	Total TCDD	NA	
99	92	1,2,3,7,8-PeCDF	NA	
100	93	2,3,4,7,8-PeCDF	NA	
101	94	Total PeCDF	NA	
102	95	1,2,3,7,8-PeCDD	NA	
103	96	Total PeCDD	NA	
104	97	1,2,3,4,7,8-HxCDF	NA	
105	98	1,2,3,6,7,8-HxCDF	NA	
106	99	2,3,4,6,7,8-HxCDF	NA	
107	100	1,2,3,7,8,9-HxCDF	NA	
108	101	Total HxCDF	NA	
109	102	1,2,3,4,7,8-HxCDD	NA	
110	103	1,2,3,6,7,8-HxCDD	NA	
111	104	1,2,3,7,8,9-HxCDD	NA	
112	105	Total HxCDD	NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA	
115	108	Total HpCDF	NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA	
117	110	Total HpCDD	NA	
118	111	OCDF	NA	
119	112	OCDD	NA	
120				
121		**ETHANOL (mg/L)**	NA	
122				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			F	
4			Y314H	
5			8/18/98	
123		**PAHs (µg/L)**		
124		**EPA Method SW8270 SIM**		
125		Naphthalene	NA	
126		2-Methylnaphthalene	NA	
127		Acenaphthylene	NA	
128		Acenaphthene	NA	
129		Fluorene	NA	
130		Anthracene	NA	
131		Dibenzofuran	NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			H		H		H		H		H		H		H		H		H		H		H		H		H		H
4			S177B		T176D		U235V		V208C		W371F		Y314A		Z225V		Z960X		AH27D		AU22A		BB82E		BH75K		BR55N		CT37N
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/17/98		11/13/98		2/16/99		5/17/99		9/20/99		12/6/99		2/15/00		5/23/00		2/12/01
7	1	**CHLORINATED PHENOLS (µg/L)**																											
8	2	**EPA Method SW8040**																											
9	3	Pentachlorophenol	0.25	U	**0.16**	J1	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.44**		0.25	U	0.25	U	**0.19**	J1	0.25	U	0.25	UJ	0.25
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA
16	10																												
17	11	**SEMIVOLATILES (µg/L)**																											
18	12	**EPA Method SW8270**																											
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
33	27																												
34	28	**VOLATILES (µg/L)**																											
35	29	**EPA Method SW8260**																											
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
56	49																												
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																											
58	51	**Method OR-DEQ**																											
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH
1						
2						
3			H		H	
4			ED16K		FF88N	
5			2/25/02		2/13/03	
6						
7	**CHLORINATED PHENOLS (µg/L)**					
8	**EPA Method SW8040**					
9	Pentachlorophenol	U	0.26	U	0.25	U
10	2,4,6-Trichlorophenol		NA		NA	
11	2,3,6-Trichlorophenol		NA		NA	
12	2,4,5-Trichlorophenol		NA		NA	
13	2,3,4-Trichlorophenol		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		NA		NA	
15	2,3,4,5-Tetrachlorophenol		NA		NA	
16						
17	**SEMIVOLATILES (µg/L)**					
18	**EPA Method SW8270**					
19	Phenol		NA		NA	
20	4-Methylphenol		NA		NA	
21	Isophorone		NA		NA	
22	2,4-Dimethylphenol		NA		NA	
23	Benzoic Acid		NA		NA	
24	Naphthalene		NA		NA	
25	2-Methylnaphthalene		NA		NA	
26	2,4,6-Trichlorophenol		NA		NA	
27	2,4,5-Trichlorophenol		NA		NA	
28	Acenaphthene		NA		NA	
29	Dibenzofuran		NA		NA	
30	Fluorene		NA		NA	
31	Pentachlorophenol		NA		NA	
32	bis(2-Ethylhexyl)phthalate		NA		NA	
33						
34	**VOLATILES (µg/L)**					
35	**EPA Method SW8260**					
36	Acetone		NA		NA	
37	Carbon Disulfide		NA		NA	
38	2-Butanone		NA		NA	
39	Benzene		NA		NA	
40	Bromoform		NA		NA	
41	Toluene		NA		NA	
42	Ethylbenzene		NA		NA	
43	Styrene		NA		NA	
44	m,p-Xylene		NA		NA	
45	o-Xylene		NA		NA	
46	1,3,5-Trimethylbenzene		NA		NA	
47	1,2,4-Trimethylbenzene		NA		NA	
48	Isopropylbenzene		NA		NA	
49	n-Propylbenzene		NA		NA	
50	tert-Butylbenzene		NA		NA	
51	sec-Butylbenzene		NA		NA	
52	4-Isopropyltoluene		NA		NA	
53	n-Butylbenzene		NA		NA	
54	Naphthalene		NA		NA	
55	Methyl tert-butyl ether		NA		NA	
56						
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**					
58	**Method OR-DEQ**					
59	**TPH-Diesel**		NA		NA	
60	**TPH-D Motor Oil**		NA		NA	
61	**TPH-Gasoline**		NA		NA	
62						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			H		H		H		H		H		H		H		H		H		H		H		H		H		H
4			S177B		T176D		U235V		V208C		W371F		Y314A		Z225V		Z960X		AH27D		AU22A		BB82E		BH75K		BR55N		CT37N
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/17/98		11/13/98		2/16/99		5/17/99		9/20/99		12/6/99		2/15/00		5/23/00		2/12/01
63	56	**PRIORITY POLLUTANT**																											
64	57	**METALS (mg/L)**																											
65	58	Arsenic (7060)	**0.013**		**0.019**		0.05	U	0.05	U	**0.013**		**0.013**		**0.015**		**0.023**		**0.023**		**0.020**		**0.012**		**0.020**		**0.019**		**0.015**
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
67	60	Copper (6010)	**0.003**		**0.006**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.010**		**0.011**		0.002	U	0.002	U	0.002	U	**0.003**		**0.004**
68	61	Lead (7421)	0.001	U	**0.001**		0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	0.001
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01
70	63	Zinc (6010)	0.004	U	**0.014**	J2	**0.010**		**0.005**		**0.004**	J2	**0.006**		0.004	U	**0.012**	J	0.019	U	**0.006**		0.006	U	0.006	U	0.006	U	0.006
71	64																												
72	65	**MAJOR IONS AND CONVENTIONALS**																											
73	66	Calcium (mg/L) (6010)	**22.4**		**27.7**		**25.4**		**24.9**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	**7.80**		**9.86**		**8.80**		**8.27**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	**2.3**		**2.2**		**2.4**		**2.3**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	**5.41**		**6.27**		**5.92**		**5.70**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**100**		**110**		**110**		**120**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**100**		**110**		**110**		**120**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**160**	J2	**140**		**150**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	**1.5**		**2.0**		**2.7**		**1.6**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.016**		0.010	U	**0.011**		0.010	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.010	U	0.010	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.016**		0.010	U	**0.011**		0.010	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	**4.8**	J	2.5	U	**3.6**		**6.3**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH
1						
2						
3			H		H	
4			ED16K		FF88N	
5			2/25/02		2/13/03	
63	**PRIORITY POLLUTANT**					
64	**METALS (mg/L)**					
65	Arsenic (7060)		**0.021**		**0.017**	
66	Chromium (6010)	U	0.005	U	0.005	U
67	Copper (6010)		**0.007**		**0.004**	
68	Lead (7421)	U	**0.001**		0.001	U
69	Nickel (6010)	U	0.01	U	0.01	U
70	Zinc (6010)	U	**0.008**		**0.01**	
71						
72	**MAJOR IONS AND CONVENTIONALS**					
73	Calcium (mg/L) (6010)		NA		NA	
74	Magnesium (mg/L) (6010)		NA		NA	
75	Potassium (mg/L) (6010)		NA		NA	
76	Sodium (mg/L) (6010)		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)		NA		NA	
81	Chloride (mg/L) (EPA 325.2)		NA		NA	
82	N-Nitrate (mg-N/L) (Calculated)		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)		NA		NA	
86						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			H		H		H		H		H		H		H		H		H		H		H		H		H		H
4			S177B		T176D		U235V		V208C		W371F		Y314A		Z225V		Z960X		AH27D		AU22A		BB82E		BH75K		BR55N		CT37N
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/17/98		11/13/98		2/16/99		5/17/99		9/20/99		12/6/99		2/15/00		5/23/00		2/12/01
87	80	**FIELD PARAMETERS**																											
88	81	pH (avg)	6.77		6.85		7.02		6.85		6.37		6.56		6.41		7.07		7.07		7.07		6.26		6.64		6.58		6.54
89	82	Temperature (° C) (avg)	13.7		15.1		15.1		14.4		15.0		14.8		14.4		14.3		14.3		14.3		14.5		13.5		14.2		13.3
90	83	Conductivity (um/hos)	212		283		225		243		186		251		100		193		193		193		258		223		191		230
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		1.40		1.69		1.60		1.60		1.60		2.34		2.18		2.00		3.06
92	85																												
93	86	**DIOXINS AND FURANS (ng/L)**																											
94	87	**Method 8290**																											
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																													
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH
1						
2						
3			H		H	
4			ED16K		FF88N	
5			2/25/02		2/13/03	
87	**FIELD PARAMETERS**					
88	pH (avg)		6.29		7.01	
89	Temperature (° C) (avg)		13.4		14.9	
90	Conductivity (um/hos)		292		369	
91	Dissolved oxygen (mg/L) (avg)		4.89		0	
92						
93	**DIOXINS AND FURANS (ng/L)**					
94	**Method 8290**					
95	2,3,7,8-TCDF		NA		NA	
96	Total TCDF		NA		NA	
97	2,3,7,8-TCDD		NA		NA	
98	Total TCDD		NA		NA	
99	1,2,3,7,8-PeCDF		NA		NA	
100	2,3,4,7,8-PeCDF		NA		NA	
101	Total PeCDF		NA		NA	
102	1,2,3,7,8-PeCDD		NA		NA	
103	Total PeCDD		NA		NA	
104	1,2,3,4,7,8-HxCDF		NA		NA	
105	1,2,3,6,7,8-HxCDF		NA		NA	
106	2,3,4,6,7,8-HxCDF		NA		NA	
107	1,2,3,7,8,9-HxCDF		NA		NA	
108	Total HxCDF		NA		NA	
109	1,2,3,4,7,8-HxCDD		NA		NA	
110	1,2,3,6,7,8-HxCDD		NA		NA	
111	1,2,3,7,8,9-HxCDD		NA		NA	
112	Total HxCDD		NA		NA	
113	1,2,3,4,6,7,8-HpCDF		NA		NA	
114	1,2,3,4,7,8,9-HpCDF		NA		NA	
115	Total HpCDF		NA		NA	
116	1,2,3,4,6,7,8-HpCDD		NA		NA	
117	Total HpCDD		NA		NA	
118	OCDF		NA		NA	
119	OCDD		NA		NA	
120						
121	**ETHANOL (mg/L)**		NA		NA	
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			H		H		H		H		H		H		H		H		H		H		H		H		H		H
4			S177B		T176D		U235V		V208C		W371F		Y314A		Z225V		Z960X		AH27D		AU22A		BB82E		BH75K		BR55N		CT37N
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/17/98		11/13/98		2/16/99		5/17/99		9/20/99		12/6/99		2/15/00		5/23/00		2/12/01
123		**PAHs (µg/L)**																											
124		**EPA Method SW8270 SIM**																											
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH
1						
2						
3			H		H	
4			ED16K		FF88N	
5			2/25/02		2/13/03	
123	**PAHs (µg/L)**					
124	**EPA Method SW8270 SIM**					
125	Naphthalene		NA		NA	
126	2-Methylnaphthalene		NA		NA	
127	Acenaphthylene		NA		NA	
128	Acenaphthene		NA		NA	
129	Fluorene		NA		NA	
130	Anthracene		NA		NA	
131	Dibenzofuran		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2					Dup of J1								Dup of J1												
3			J1		J1D		J1		J1		J1		J4		J1		J1		J1		J1		J1		J1
4			S177H		S177I		T176P		U235J		V224O		V224K		W371N		Y314I		Z225O		Z960C		AH49C		AU22H
5			4/2/97		4/2/97		7/16/97		10/22/97		1/29/98		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/20/99
7	1	**CHLORINATED PHENOLS (µg/L)**																							
8	2	**EPA Method SW8040**																							
9	3	Pentachlorophenol	**32**		**33**		**24**		**7.8**		**7.3**		**8.4**		**7.5**		**5.8**		**2.0**		**8.3**		**4.6**		**1.7**
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
12	6	2,4,5-Trichlorophenol	0.4	U	0.25	U	0.27	U	0.67	U	**0.29**		**0.22**	J1	**0.25**		0.25	U	0.25	U	0.25	U	0.25	U	0.25
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**3.4**		**3.4**		**3.0**		**1.8**		**0.98**		**1.1**		**0.51**		**0.33**		0.25	U	**0.43**		0.17	J1	0.25
15	9	2,3,4,5-Tetrachlorophenol	**0.94**		**0.70**		**0.5**		**0.28**		**0.23**	J1	**0.20**	J1	**0.16**	J1	**0.23**	J1	0.25	U	0.25	U	0.25	U	0.25
16	10																								
17	11	**SEMIVOLATILES (µg/L)**																							
18	12	**EPA Method SW8270**																							
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10
24	18	Naphthalene	1.0	U	1.0	U	**1.1**		**1.9**		**2.5**		**2.4**		**2.8**	J2	**1.4**		1.0	U	**3.6**		**2.4**		**1.1**
25	19	2-Methylnaphthalene	1.0	U	1.0	U	**1.1**		**1.8**		**2.6**		**2.4**		**2.9**	J2	**1.3**		1.0	U	**3.5**		**2.2**		**1.2**
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
31	25	Pentachlorophenol	**44**		**52**		**20**		**11**		**11**		**8.8**		**10**		**6.5**		5.0	U	**12**		**4.4**	J1	5.0
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
33	27																								
34	28	**VOLATILES (µg/L)**																							
35	29	**EPA Method SW8260**																							
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	9.9	U	5.0	U	5.0
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
42	36	Ethylbenzene	**6.5**		**5.9**		**12**		**7.5**		**4.0**		**3.3**		**8.4**		**5.5**		**2.5**		**6.2**		**1.9**		**1.5**
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
44	38	m,p-Xylene	**4.4**		**4.0**		**6.6**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
46	40	1,3,5-Trimethylbenzene	**4.9**		**4.1**		**6.1**		**3.8**		**4.0**	J2	**2.4**	J2	**5.2**		**2.7**		**2.1**		**4.4**		1.0	U	**1.4**
47	41	1,2,4-Trimethylbenzene	**41**		**36**		**47**		**37**	J2	**26**	J2	**19**	J2	**46**		**29**		**16**		**44**		**8.8**		**6.4**
48	42	Isopropylbenzene	**5.0**		**4.2**		**7.9**		**6.9**	J2	**4.2**	J2	**2.7**	J2	**7.7**		**6.6**		**4.8**		**7.6**		**2.1**		**2.4**
49	43	n-Propylbenzene	**8.7**		**7.2**		**14**		**14**		**8.0**	J2	**5.0**	J2	**14**		**11**		**7.5**		**12**		**3.4**		**4.4**
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
51	45	sec-Butylbenzene	**1.6**		**1.4**		**2.2**		**1.8**	J2	**1.3**		1.0	U	**2.0**		**1.6**	J2	1.0	U	**2.6**		1.0	U	1.0
52	46	4-Isopropyltoluene	1.0	U	1.0	U	**1.0**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
53	47	n-Butylbenzene	**1.3**		**1.1**		**1.9**		**1.7**	J2	**1.1**		1.0	U	**2.0**		**1.3**		1.0	U	**1.2**		1.0	U	1.0
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	**5.4**		5.0	U	5.0
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
56	49																								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																							
58	51	**Method OR-DEQ**																							
59	52	**TPH-Diesel**	**0.30**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.52**		0.25	U	0.25
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
3			J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1
4			BC27K		9912050-03A		BH96R		BR64D		CB49G		CL03H		CT55F		DE68I		DM52B		DW48C		ED23C		EM85D		ES04F		EZ03K
5			12/8/99		12/8/1999 (d)		2/16/00		5/24/00		8/29/00		11/10/00		2/14/01		6/5/01		8/14/01		11/29/01		2/26/02		6/26/02		08/28/02		11/12/02
7	**CHLORINATED PHENOLS (µg/L)**																												
8	**EPA Method SW8040**																												
9	Pentachlorophenol		**0.94**		NA		**0.81**		**1.7**		0.25	U	0.25	U	**0.50**		**0.36**		0.25	U	**0.25**		NA		**4.4**		**3.1**		**0.57**
10	2,4,6-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA
17	**SEMIVOLATILES (µg/L)**																												
18	**EPA Method SW8270**																												
19	Phenol	U	2.0	U	NA		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.3	U	2
20	4-Methylphenol	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
21	Isophorone	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
22	2,4-Dimethylphenol	U	3.0	U	NA		3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.5	U	3
23	Benzoic Acid	U	10	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	10	U	30	U	50	U	50	U	58	U	50
24	Naphthalene		**0.7**	J1	NA		**1.4**		**3.6**		1.0	U	1.0	U	**2.9**		**1.3**		1.0	U	1.0	U	1.0	U	**1.4**		1.2	U	**1**
25	2-Methylnaphthalene		**0.5**	J1	NA		**1.2**		**3.3**		1.0	U	1.0	U	**3.0**		**1.5**		1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
26	2,4,6-Trichlorophenol	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.8	U	5
27	2,4,5-Trichlorophenol	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.8	U	5
28	Acenaphthene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
29	Dibenzofuran	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
30	Fluorene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.2	U	1
31	Pentachlorophenol	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	**280**		5.0	U	5.8	U	5
32	bis(2-Ethylhexyl)phthalate	U	**0.6**	J1	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**25**		1.0	U	1.0	U	4.0	U	4.0	U	4.7	U	4
34	**VOLATILES (µg/L)**																												
35	**EPA Method SW8260**																												
36	Acetone	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	12	U	5.0	U	5.0	U	5.0	U	**10**	M	5	U	5
37	Carbon Disulfide	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
38	2-Butanone	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5
39	Benzene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
40	Bromoform	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
41	Toluene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
42	Ethylbenzene		1.0	U	NA		1.0	U	**3.4**		1.0	U	1.0	U	**1.2**		**1.2**		1.0	U	1.0	U	1.0	U	**1.1**		1	U	1
43	Styrene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
44	m,p-Xylene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.5**		1.0	U	1	U	1
45	o-Xylene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.0**		1.0	U	1	U	1
46	1,3,5-Trimethylbenzene		1.0	U	NA		1.0	U	**3.0**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**6.4**		1.0	U	1	U	1
47	1,2,4-Trimethylbenzene		**2.4**		NA		**2.4**		**7.4**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**50**		1.0	U	1	U	1
48	Isopropylbenzene		**1.2**		NA		**1.3**		**8.2**		**1.5**		**2.5**		**3.3**		**4.7**		1.0	U	**1.3**		**3.5**		**8.4**		**5.2**		**3.5**
49	n-Propylbenzene		**1.9**		NA		**2.0**		**13**		**3.3**		**3.8**		**5.7**		**8.3**		**1.1**		**2.2**		**4.0**		**12**		**7.8**		**4.9**
50	tert-Butylbenzene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
51	sec-Butylbenzene	U	1.0	U	NA		1.0	U	**1.6**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.0**		1	U	1
52	4-Isopropyltoluene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.2**		1.0	U	1	U	1
53	n-Butylbenzene	U	1.0	U	NA		1.0	U	**1.4**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1
54	Naphthalene	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5
55	Methyl tert-butyl ether		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																												
58	**Method OR-DEQ**																												
59	**TPH-Diesel**	U	0.25	U	NA		0.25	U	0.25	(a)	0.25	U	0.25	U	**0.30**	(d)	NA		NA		NA		**2.1**		NA		NA		NA
60	**TPH-D Motor Oil**		NA		NA		NA		NA		NA		0.50	U	NA		NA		NA		NA		NA		NA		NA		NA
61	**TPH-Gasoline**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																			
2																			
3			J1		J1		J1		J1		J1		J1		J1		J1		J1
4			FF76J		FL58I		FU31A		FY64H		0402105-01		0408019-04		0502102-02		P5F0342-04		P5H1000-10
5			2/12/03		5/8/03		8/27/03		10/21/03		2/20/04		8/03/04		2/23/05		6/7/05		08/23/05
6																			
7	**CHLORINATED PHENOLS (µg/L)**																		
8	**EPA Method SW8040**																		
9	Pentachlorophenol		**0.35**		**0.73**		**1.3**		**0.65**		**1.13**		0.5	U	0.48	U	0.500	U	0.490 U
10	2,4,6-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol		NA		NA		NA		NA		NA		NA		NA		NA		NA
16																			
17	**SEMIVOLATILES (µg/L)**																		
18	**EPA Method SW8270**																		
19	Phenol	U	2.1	U	2	U	2	U	2.1	U	1.93	UJ	2.01	U	1.92	U	5.00	U	5.00 U
20	4-Methylphenol	U	1	U	1	U	1	U	1.1	U	9.63	U	10.1	U	9.58	U	5.00	U	5.00 U
21	Isophorone	U	1	U	1	U	1	U	1.1	U	0.963	U	1.01	U	0.958	U	5.00	U	5.00 U
22	2,4-Dimethylphenol	U	3.1	U	3	U	3	U	3.2	U	2.89	U	3.02	U	2.87	U	10.00	U	10.0 U
23	Benzoic Acid	U	52	U	50	U	50	U	11	U	19.3	U	20.1	U	19.2	U	50.0	U	50.0 U
24	Naphthalene		1	U	1	U	**1.5**		**2.1**		**1.41**		1.01	U	0.958	U	5.00	U	5.00 U
25	2-Methylnaphthalene	U	1	U	1	U	1	U	**1.4**		**1**		1.01	U	0.958	U	5.00	U	5.00 U
26	2,4,6-Trichlorophenol	U	5.2	U	5	U	5	U	5.3	U	4.82	U	5.03	U	4.79	U	5.00	U	5.00 U
27	2,4,5-Trichlorophenol	U	5.2	U	5	U	5	U	5.3	U	4.82	U	5.03	U	4.79	U	5.00	U	5.00 U
28	Acenaphthene	U	1	U	1	U	1	U	1.1	U	0.963	U	1.01	U	0.958	U	5.00	U	5.00 U
29	Dibenzofuran	U	1	U	1	U	1	U	1.1	U	0.963	U	1.01	U	0.958	U	5.00	U	5.00 U
30	Fluorene	U	1	U	1	U	1	U	1.1	U	0.963	U	1.01	U	0.958	U	5.00	U	5.00 U
31	Pentachlorophenol	U	5.2	U	5	U	5	U	5.3	U	4.82	U	5.03	U	4.79	U	10	U	10.0 U
32	bis(2-Ethylhexyl)phthalate	U	1	U	1	U	1	U	1.1	U	0.963	U	1.01	U	0.958	U	10.00	U	10.0 U
33																			
34	**VOLATILES (µg/L)**																		
35	**EPA Method SW8260**																		
36	Acetone	U	5	U	5	U	5	U	5	U	50	U	50	U	50	U	25.0	U	25.0 U
37	Carbon Disulfide	U	1	U	1	U	1	U	1	U	2	U	2	U	2	U	10.00	U	10.0 U
38	2-Butanone	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	10.00	U	10.0 U
39	Benzene	U	1	U	1	U	1	U	1	U	0.4	U	0.3	U	0.3	U	1.00	U	1.00 U
40	Bromoform	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	Toluene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	Ethylbenzene	U	1	U	1	U	1	U	1	U	**2.82**		1	U	1	U	1.00	U	1.00 U
43	Styrene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	m,p-Xylene	U	1	U	1	U	1	U	1	U	2	U	2	U	2	U	2.00	U	2.00 U
45	o-Xylene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	1,3,5-Trimethylbenzene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	1,2,4-Trimethylbenzene	U	**4.5**		1	U	1	U	1	U	**6.76**		1	U	1	U	1.00	U	1.00 U
48	Isopropylbenzene		**5.4**		**1.1**		**14**		**7.1**		**17**		**5.58**	J	1	U	**8.28**		**7.76**
49	n-Propylbenzene		**7.9**		**1.5**		**21**		**11**		**21.7**		**14**	J	1	U	**12.3**		**8.28**
50	tert-Butylbenzene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	sec-Butylbenzene	U	**1.6**		1	U	**2**		1	U	**3.14**		1	U	1	U	**1.41**		**1.00**
52	4-Isopropyltoluene	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	n-Butylbenzene	U	1	U	1	U	**1.7**		1	U	**1.74**		**1.06**	J	1	U	5.00	U	5.00 U
54	Naphthalene	U	5	U	5	U	**5**		5	U	**4.77**		**1.47**	J	1	U	**2.78**		2.00 U
55	Methyl tert-butyl ether		NA		NA		NA		NA		1	U	1	U	1	U	1.00	U	1.00 U
56																			
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																		
58	**Method OR-DEQ**																		
59	**TPH-Diesel**		**0.4**		NA		NA		NA		NA		NA		NA		NA		NA
60	**TPH-D Motor Oil**		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	**TPH-Gasoline**		NA		NA		NA		NA		NA		NA		NA		NA		NA
62																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2					Dup of J1								Dup of J1												
3			J1		J1D		J1		J1		J1		J4		J1		J1		J1		J1		J1		J1
4			S177H		S177I		T176P		U235J		V224O		V224K		W371N		Y314I		Z225O		Z960C		AH49C		AU22H
5			4/2/97		4/2/97		7/16/97		10/22/97		1/29/98		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/20/99
63	56	**PRIORITY POLLUTANT**																							
64	57	**METALS (mg/L)**																							
65	58	Arsenic (7060)	**0.007**		**0.006**		**0.006**		0.05	U	0.05	U	0.05	U	**0.008**		**0.007**		**0.008**		**0.007**		**0.006**		**0.015**
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
67	60	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002
68	61	Lead (7421)	0.001	U	0.001	U	0.001	U	0.02	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01
70	63	Zinc (6010)	0.004	U	0.004	U	0.004	U	0.004	U	**0.005**		**0.006**		0.004	U	**0.004**		0.004	U	**0.008**	J	**0.007**		0.004
71	64																								
72	65	**MAJOR IONS AND CONVENTIONALS**																							
73	66	Calcium (mg/L) (6010)	**26.4**		**26.7**		**26.1**		**27.5**		**30.8**		**30.5**		NA		NA		NA		**20.2**		NA		NA
74	67	Magnesium (mg/L) (6010)	**10.1**		**10.2**		**9.96**		**10.1**		**10.9**		**10.8**		NA		NA		NA		**6.67**		NA		NA
75	68	Potassium (mg/L) (6010)	**3.1**		**2.8**		**3.2**		**3.4**		**3.5**		**3.4**		NA		NA		NA		**3.1**		NA		NA
76	69	Sodium (mg/L) (6010)	**7.40**		**7.47**		**8.13**		**8.29**		**8.49**		**8.46**		NA		NA		NA		**8.05**		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**120**		**120**		**100**	**J2**	**130**		**140**		**140**		NA		NA		NA		**74**		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**120**		**120**		**100**	J2	**130**		**140**		**140**		NA		NA		NA		**74**		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		NT		**160**	J2	**180**		**170**		**170**		180		170		140		**140**		**150**		**170**
81	74	Chloride (mg/L) (EPA 325.2)	**4.3**		**5.4**		**3.4**		**2.5**		**2.3**		**2.2**		3.7		1.0	U	1.8		**3.7**		**3.7**		**2.6**
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.057**		**0.011**		0.010	U	**0.025**		**1.8**	J2	**1.4**	J2	NA		NA		NA		**1.8**		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	**0.01**	J	**0.016**	J2	0.010	U	0.010	UJ	0.010	UJ	NA		NA		NA		0.010	U	NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.057**		**0.021**		**0.015**	J2	**0.025**		**1.8**	J2	**1.4**	J2	NA		NA		NA		**1.8**		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	**7.0**	J	**26**	J	**10**		**8.6**		**9.0**		**12**		NA		NA		NA		**15**		NA		NA
86	79																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																													
2																													
3			J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1
4			BC27K		9912050-03A		BH96R		BR64D		CB49G		CL03H		CT55F		DE68I		DM52B		DW48C		ED23C		EM85D		ES04F		EZ03K
5			12/8/99		12/8/1999 (d)		2/16/00		5/24/00		8/29/00		11/10/00		2/14/01		6/5/01		8/14/01		11/29/01		2/26/02		6/26/02		08/28/02		11/12/02
63	**PRIORITY POLLUTANT**																												
64	**METALS (mg/L)**																												
65	Arsenic (7060)		**0.015**		NA		**0.013**		**0.011**		**0.010**		**0.012**		**0.010**		**0.011**		**0.014**		**0.013**		**0.012**		**0.014**		**0.01**		0.05
66	Chromium (6010)	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
67	Copper (6010)	U	0.002	U	NA		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.003**		0.002	U	**0.003**		0.002
68	Lead (7421)	U	**0.001**		NA		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	0.02
69	Nickel (6010)	U	0.01	U	NA		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.01**		0.01	U	0.01	U	0.01
70	Zinc (6010)	U	0.006	U	NA		0.006	U	**0.006**		0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.007**		0.006	U	**0.007**		**0.006**
71																													
72	**MAJOR IONS AND CONVENTIONALS**																												
73	Calcium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**20.6**		**20.5**		**22.7**		**21.1**		**29.4**		NA		NA		NA
74	Magnesium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**7.21**		**7.38**		**8.65**		**7.62**		**10.1**		NA		NA		NA
75	Potassium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**2.3**		**2.4**		**2.6**		**2.6**		**3.4**		NA		NA		NA
76	Sodium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**6.48**		**6.15**		**6.58**		**6.56**		**8.36**		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		**100**		NA		NA		NA		**130**		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		1.0	U	NA		NA		NA		1.0	U	NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		**100**		NA		NA		NA		**130**		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**160**		NA		**200**		**160**		**160**		**160**		**150**		**160**		**150**		**140**		**210**		**160**		**160**		**180**
81	Chloride (mg/L) (EPA 325.2)		**3.1**		NA		**4.3**		**2.5**		**2.0**		**2.3**		**3.0**		**2.6**		**6.2**		**2.6**		**8.8**		**3.6**		**3.2**		**3.5**
82	N-Nitrate (mg-N/L) (Calculated)		NA		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**2.4**		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**0.018**		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**2.4**	J	NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)		NA		NA		NA		NA		NA		NA		**10**		NA		NA		NA		**14**		NA		NA		NA
86																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																			
2																			
3			J1		J1		J1		J1		J1		J1		J1		J1		J1
4			FF76J		FL58I		FU31A		FY64H		0402105-01		0408019-04		0502102-02		P5F0342-04		P5H1000-10
5			2/12/03		5/8/03		8/27/03		10/21/03		2/20/04		8/03/04		2/23/05		6/7/05		08/23/05
63	**PRIORITY POLLUTANT**																		
64	**METALS (mg/L)**																		
65	Arsenic (7060)	U	**0.014**		**0.014**		**0.009**		**0.006**		**0.009**		**0.0114**		**0.018**		**0.00933**		**0.0083**
66	Chromium (6010)	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0232**	J	**0.0188**		**0.0068**		0.001	U	0.001 U
67	Copper (6010)	U	**0.004**		0.002	U	0.002	U	**0.002**		0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	Lead (7421)	U	**0.002**		0.001	U	0.001	U	0.001	U	**0.0004**		**0.000317**		**0.000543**		0.001	U	0.001 U
69	Nickel (6010)	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.0151**		0.005	U	**0.0509**		**0.0041**		**0.00335**
70	Zinc (6010)		**0.007**		0.006	U	0.006	U	0.006	U	0.01	U	**0.0121**		0.01	U	0.005	U	0.01 U
71																			
72	**MAJOR IONS AND CONVENTIONALS**																		
73	Calcium (mg/L) (6010)		**43.2**		NA		NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)		**16.8**		NA		NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)		**3.1**		NA		NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)		**8.7**		NA		NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)		**130**		NA		NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		1	U	NA		NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		**130**		NA		NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**260**		**150**		**220**		**190**		**240**	J	**276**		**497**		**183**		**193**
81	Chloride (mg/L) (EPA 325.2)		**2.9**		**3.8**		**2.3**		**2.2**		**2.76**		**4.13**		**2.72**		**2.88**		**4.81**
82	N-Nitrate (mg-N/L) (Calculated)		**0.039**		NA		NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)		**0.015**		NA		NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		**0.054**		NA		NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)		**110**		NA		NA		NA		NA		NA		NA		NA		NA
86																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2					Dup of J1								Dup of J1												
3			J1		J1D		J1		J1		J1		J4		J1		J1		J1		J1		J1		J1
4			S177H		S177I		T176P		U235J		V224O		V224K		W371N		Y314I		Z225O		Z960C		AH49C		AU22H
5			4/2/97		4/2/97		7/16/97		10/22/97		1/29/98		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/20/99
87	80	**FIELD PARAMETERS**																							
88	81	pH (avg)	6.75		6.75		6.62		6.75		6.66		6.65		6.56		6.35		6.17		6.43		5.77		6.33
89	82	Temperature (° C) (avg)	12.8		12.8		14.7		15.3		14.5		14.5		12.6		15.5		15.0		13.1		12.9		16.6
90	83	Conductivity (um/hos)	319		319		256		239		314		315		289		330		138		207		241		222
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		NA		2.85		2.20		1.82		1.84		2.33		2.24
92	85																								
93	86	**DIOXINS AND FURANS (ng/L)**																							
94	87	**Method 8290**																							
95	88	2,3,7,8-TCDF	0.0057	U	0.0017	U	0.0023	U	0.0038	U	NA		NA		0.0017	U	0.0019	U	0.0019	U	0.0035	U	0.0011	U	NA
96	89	Total TCDF	**0.0110**		0.0012-0.0034	U	0.0010-0.0058	U	0.0018-0.0064	U	NA		NA		0.0017	U	0.0019	U	0.0019	U	**0.0024**		0.0011	U	NA
97	90	2,3,7,8-TCDD	0.0054	U	0.0028	U	0.0029	U	0.0053	U	NA		NA		0.0022	U	0.0050	U	0.0034	U	0.0057	U	0.0044	U	NA
98	91	Total TCDD	0.0037-0.0087	U	0.0015-0.0049	U	0.0015-0.0050	U	0.0024-0.0087	U	NA		NA		0.0022	U	0.0050	U	**0.0016**		0.0057	U	0.0044	U	NA
99	92	1,2,3,7,8-PeCDF	0.0029	U	0.0032	U	0.0051	U	0.0031	U	NA		NA		0.0019	U	0.0035	U	0.0020	U	0.0049	U	0.0021	U	NA
100	93	2,3,4,7,8-PeCDF	0.0035	U	0.0031	U	0.0024	U	0.0046	U	NA		NA		0.0023	U	0.0037	U	0.0027	U	0.0042	U	0.0020	U	NA
101	94	Total PeCDF	0.0029-0.0064	U	0.0013-0.0047	U	0.0036-0.0067	U	**0.0022**		NA		NA		0.0021	U	0.0036	U	0.0024	U	0.0046	U	0.0021	U	NA
102	95	1,2,3,7,8-PeCDD	0.0080	U	0.0088	U	0.0048	U	0.0068	U	NA		NA		0.0041	U	0.0046	U	0.0022	U	0.0095	U	0.0027	U	NA
103	96	Total PeCDD	0.0057-0.016	U	0.0033-0.010	U	0.0027-0.010	U	0.0039-0.012	U	NA		NA		0.0041	U	0.0046	U	0.0022	U	0.0095	U	0.0027	U	NA
104	97	1,2,3,4,7,8-HxCDF	0.0054	U	0.0025	U	0.0048	U	0.0017	U	NA		NA		**0.0018**		0.0039	U	0.0018	U	0.0059	U	0.0024	U	NA
105	98	1,2,3,6,7,8-HxCDF	0.0042	U	0.0042	U	0.0020	U	0.0035	U	NA		NA		0.0025	U	0.0036	U	0.0180	U	0.0024	U	**0.0015**		NA
106	99	2,3,4,6,7,8-HxCDF	0.0052	U	0.0050	U	0.0038	U	0.0036	U	NA		NA		0.0041	U	0.0066	U	**0.0031**		0.0044	U	**0.0028**		NA
107	100	1,2,3,7,8,9-HxCDF	0.0044	U	0.0040	U	0.0023	U	0.0026	U	NA		NA		0.0037	U	0.0032	U	0.0025	U	0.0056	U	0.0030	U	NA
108	101	Total HxCDF	0.0052	U	0.0022-0.0063	U	0.0018-0.0071	U	0.0036	U	NA		NA		0.0072	U	**0.0031**		**0.0047**		0.0046	U	**0.0130**		NA
109	102	1,2,3,4,7,8-HxCDD	0.0100	U	0.0058	U	0.0046	U	0.0072	U	NA		NA		0.0047	U	0.0032	U	0.0017	U	0.0085	U	0.0027	U	NA
110	103	1,2,3,6,7,8-HxCDD	0.0100	U	0.0084	U	0.0068	U	0.0051	U	NA		NA		0.0039	U	0.0046	U	0.0015	U	0.0071	U	0.0031	U	NA
111	104	1,2,3,7,8,9-HxCDD	0.0080	U	0.0073	U	0.0044	U	0.0041	U	NA		NA		0.0042	U	0.0037	U	0.0027	U	0.0041	U	0.0015	U	NA
112	105	Total HxCDD	0.0047-0.014	U	0.0031-0.011	U	0.0025-0.011	U	0.0028-0.015	U	NA		NA		0.0043	U	0.0038	U	0.0020	U	0.0066	U	0.0024	U	NA
113	106	1,2,3,4,6,7,8-HpCDF	0.0080	U	**0.0050**		**0.0031**		0.0021	U	NA		NA		0.0037	U	0.0180	U	0.0033	U	0.0023	U	**0.0018**		NA
114	107	1,2,3,4,7,8,9-HpCDF	0.0089	U	0.0190	U	0.0063	U	0.0035	U	NA		NA		0.0055	U	0.0077	U	0.0039	U	0.0039	U	0.0023	U	NA
115	108	Total HpCDF	0.0042-0.015	U	**0.0050**		**0.0110**		0.0011-0.0052	U	NA		NA		0.0046	U	0.0129	U	**0.0055**		0.0031	U	**0.0120**		NA
116	109	1,2,3,4,6,7,8-HpCDD	0.0280	U	0.0250	U	**0.0089**		**0.0100**		NA		NA		0.0067	U	**0.0580**		**0.0067**		**0.0120**		**0.0070**		NA
117	110	Total HpCDD	**0.0410**		0.0250	U	**0.0089**		**0.0100**		NA		NA		0.0067	U	**0.0058**		**0.0150**		**0.0250**		**0.0094**		NA
118	111	OCDF	**0.0320**		**0.0300**		**0.0160**		0.0075	U	NA		NA		0.0110	U	**0.0074**		0.0110	U	**0.0180**		**0.0056**		NA
119	112	OCDD	**0.2500**		**0.2300**		**0.0840**		0.0420	U	NA		NA		0.0210	U	**0.0490**		**0.0580**		**0.1600**		0.0530	U	NA
120	113																								
121	114	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122	115																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																													
2																													
3			J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1
4			BC27K		9912050-03A		BH96R		BR64D		CB49G		CL03H		CT55F		DE68I		DM52B		DW48C		ED23C		EM85D		ES04F		EZ03K
5			12/8/99		12/8/1999 (d)		2/16/00		5/24/00		8/29/00		11/10/00		2/14/01		6/5/01		8/14/01		11/29/01		2/26/02		6/26/02		08/28/02		11/12/02
87	**FIELD PARAMETERS**																												
88	pH (avg)		6.57		NM		6.59		6.38		6.58		5.27		6.17		6.64		6.85		6.60		6.42		6.52		6.79		6.4
89	Temperature (° C) (avg)		12.4		NM		14.3		14.8		15.6		14.4		14.3		13.6		15.8		14.6		13.6		15.4		15.7		15.6
90	Conductivity (um/hos)		245		NM		272		291		248		212		202		226		278		241		284		224		241		232
91	Dissolved oxygen (mg/L) (avg)		2.78		NM		1.57		1.74		1.62		1.09		0.57		1.51		1.44		3.88		6.41		4.98		1.34		3.21
92																													
93	**DIOXINS AND FURANS (ng/L)**																												
94	**Method 8290**																												
95	2,3,7,8-TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																													
121	**ETHANOL (mg/L)**		NA		10	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																			
2																			
3			J1		J1		J1		J1		J1		J1		J1		J1		J1
4			FF76J		FL58I		FU31A		FY64H		0402105-01		0408019-04		0502102-02		P5F0342-04		P5H1000-10
5			2/12/03		5/8/03		8/27/03		10/21/03		2/20/04		8/03/04		2/23/05		6/7/05		08/23/05
87	**FIELD PARAMETERS**																		
88	pH (avg)		6.9		6.6		6.46		6.80		6.23		7.68		NM		7.02		6.43
89	Temperature (° C) (avg)		13.7		13.7		15.8		17.8		14		17.1		6.71		15.6		15.9
90	Conductivity (um/hos)		474		223		343		255		324		551		15.2		257		207
91	Dissolved oxygen (mg/L) (avg)		0		3.1		2.23		1.65		1.21		NM		233		2.08		NM
92																			
93	**DIOXINS AND FURANS (ng/L)**																		
94	**Method 8290**																		
95	2,3,7,8-TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																			
121	**ETHANOL (mg/L)**		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2					Dup of J1								Dup of J1												
3			J1		J1D		J1		J1		J1		J4		J1		J1		J1		J1		J1		J1
4			S177H		S177I		T176P		U235J		V224O		V224K		W371N		Y314I		Z225O		Z960C		AH49C		AU22H
5			4/2/97		4/2/97		7/16/97		10/22/97		1/29/98		1/29/98		5/19/98		8/18/98		11/12/98		2/17/99		5/18/99		9/20/99
123	116	**PAHs (µg/L)**																							
124	117	**EPA Method SW8270 SIM**																							
125	118	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126	119	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127	120	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128	121	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129	122	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130	123	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131	124	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																													
2																													
3			J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1		J1
4			BC27K		9912050-03A		BH96R		BR64D		CB49G		CL03H		CT55F		DE68I		DM52B		DW48C		ED23C		EM85D		ES04F		EZ03K
5			12/8/99		12/8/1999 (d)		2/16/00		5/24/00		8/29/00		11/10/00		2/14/01		6/5/01		8/14/01		11/29/01		2/26/02		6/26/02		08/28/02		11/12/02
123	**PAHs (µg/L)**																												
124	**EPA Method SW8270 SIM**																												
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130	Anthracene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																			
2																			
3			J1		J1		J1		J1		J1		J1		J1		J1		J1
4			FF76J		FL58I		FU31A		FY64H		0402105-01		0408019-04		0502102-02		P5F0342-04		P5H1000-10
5			2/12/03		5/8/03		8/27/03		10/21/03		2/20/04		8/03/04		2/23/05		6/7/05		08/23/05
123	**PAHs (µg/L)**																		
124	**EPA Method SW8270 SIM**																		
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene		NA		NA		NA		NA		NA		1.01	U	NA		NA		NA
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		NA		NA
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		NA		NA
130	Anthracene		NA		NA		NA		NA		NA		1.01	U	NA		NA		NA
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2													Dup of K								Dup of K							
3			K		K		K		K		K		W		K		K		K		Z		K		K		K	
4			S177A		T176U		U235X		V208E		W391J		W391K		Y314L		Z225U		Z960W		Z960V		AH27C		BB82B		BH75J	
5			4/1/97		7/16/97		10/23/97		1/28/98		5/19/98		5/19/98		8/17/98		11/13/98		2/16/99		2/16/99		5/17/99		12/6/99		2/15/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	UJ	2.0	U	2.0	U	2.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
20	14	4-Methylphenol	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
21	15	Isophorone	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
22	16	2,4-Dimethylphenol	3.0	UJ	3.0	U	3.0	U	3.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
23	17	Benzoic Acid	10	UJ	10	U	10	U	10	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
24	18	Naphthalene	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
25	19	2-Methylnaphthalene	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
26	20	2,4,6-Trichlorophenol	5.0	UJ	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
27	21	2,4,5-Trichlorophenol	5.0	UJ	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
28	22	Acenaphthene	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
29	23	Dibenzofuran	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
30	24	Fluorene	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
31	25	Pentachlorophenol	5.0	UJ	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	3.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA				NA		NA	
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

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DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		K		K		K		K		K		K		K		K		K		K		K		K		K		K	
4		BR55O		CB49K		CK77L		CT37O		DE68D		DM52K		DW29I		ED16H		EM75F		ER92B		EZ03J		FF88G		FL41C		FU45B	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
6																													
7	**CHLORINATED PHENOLS (µg/L)**																												
8	**EPA Method SW8040**																												
9	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																													
17	**SEMIVOLATILES (µg/L)**																												
18	**EPA Method SW8270**																												
19	Phenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
20	4-Methylphenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
21	Isophorone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
22	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
23	Benzoic Acid	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
24	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
25	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
26	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
27	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
28	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
29	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
30	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
31	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
32	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
33																													
34	**VOLATILES (µg/L)**																												
35	**EPA Method SW8260**																												
36	Acetone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
37	Carbon Disulfide	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
38	2-Butanone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
39	Benzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
40	Bromoform	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
41	Toluene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
42	Ethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
43	Styrene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
44	m,p-Xylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
45	o-Xylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
46	1,3,5-Trimethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
47	1,2,4-Trimethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
48	Isopropylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
49	n-Propylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
50	tert-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
51	sec-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
52	4-Isopropyltoluene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
53	n-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
54	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																													
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																												
58	**Method OR-DEQ**																												
59	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1												
2												
3		K		K		K		K		K		K
4		FY64G		0402098-01		0406060-01		0408020-02		0411052-05		P5H0734-05
5		10/21/03		2/19/04		6/9/04		8/03/04		11/9/04		08/17/05
6												
7	**CHLORINATED PHENOLS (µg/L)**											
8	**EPA Method SW8040**											
9	Pentachlorophenol	NA		NA		NA		NA		NA		NA
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
16												
17	**SEMIVOLATILES (µg/L)**											
18	**EPA Method SW8270**											
19	Phenol	NA		NA		NA		NA		NA		NA
20	4-Methylphenol	NA		NA		NA		NA		NA		NA
21	Isophorone	NA		NA		NA		NA		NA		NA
22	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA
23	Benzoic Acid	NA		NA		NA		NA		NA		NA
24	Naphthalene	NA		NA		NA		NA		NA		NA
25	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA
26	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
27	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA
28	Acenaphthene	NA		NA		NA		NA		NA		NA
29	Dibenzofuran	NA		NA		NA		NA		NA		NA
30	Fluorene	NA		NA		NA		NA		NA		NA
31	Pentachlorophenol	NA		NA		NA		NA		NA		NA
32	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA
33												
34	**VOLATILES (µg/L)**											
35	**EPA Method SW8260**											
36	Acetone	NA		NA		NA		NA		NA		NA
37	Carbon Disulfide	NA		NA		NA		NA		NA		NA
38	2-Butanone	NA		NA		NA		NA		NA		NA
39	Benzene	NA		0.4	U	0.3	U	0.3	U	0.3	U	0.500 U
40	Bromoform	NA		NA		NA		NA		NA		NA
41	Toluene	NA		1	U	1	U	1	U	1	U	0.500 U
42	Ethylbenzene	NA		1	U	1	U	1	U	1	U	0.500 U
43	Styrene	NA		NA		NA		NA		NA		NA
44	m,p-Xylene	NA		2	U	2	U	2	U	2	U	NA
45	o-Xylene	NA		1	U	1	U	1	U	1	U	NA
46	1,3,5-Trimethylbenzene	NA		NA		NA		NA		NA		NA
47	1,2,4-Trimethylbenzene	NA		NA		NA		NA		NA		NA
48	Isopropylbenzene	NA		NA		NA		NA		NA		NA
49	n-Propylbenzene	NA		NA		NA		NA		NA		NA
50	tert-Butylbenzene	NA		NA		NA		NA		NA		NA
51	sec-Butylbenzene	NA		NA		NA		NA		NA		NA
52	4-Isopropyltoluene	NA		NA		NA		NA		NA		NA
53	n-Butylbenzene	NA		NA		NA		NA		NA		NA
54	Naphthalene	NA		NA		NA		NA		NA		NA
55	Methyl tert-butyl ether	1	U	NA		NA		NA		NA		NA
56												
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**											
58	**Method OR-DEQ**											
59	**TPH-Diesel**	NA		NA		NA		NA		NA		0.250 U
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		0.500 U
61	**TPH-Gasoline**	0.25	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.269**
62												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2													Dup of K								Dup of K							
3			K		K		K		K		K		W		K		K		K		Z		K		K		K	
4			S177A		T176U		U235X		V208E		W391J		W391K		Y314L		Z225U		Z960W		Z960V		AH27C		BB82B		BH75J	
5			4/1/97		7/16/97		10/23/97		1/28/98		5/19/98		5/19/98		8/17/98		11/13/98		2/16/99		2/16/99		5/17/99		12/6/99		2/15/00	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	0.001	U	**0.001**		0.05	U	0.05	U	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	**0.004**		**0.010**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.028**		**0.117**	
67	60	Copper (6010)	**0.006**		**0.008**		0.002	U	**0.013**		**0.005**		**0.005**		**0.003**		0.002	U	**0.007**		**0.006**		**0.004**		**0.011**		**0.042**	
68	61	Lead (7421)	0.001	U	0.001	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.007**		**0.010**	
69	62	Nickel (6010)	**0.03**		**0.04**		**0.13**		**0.10**		**0.04**		0.03		**0.01**		**0.07**		**0.06**		**0.06**		**0.03**		**0.27**		**0.17**	
70	63	Zinc (6010)	**0.025**		**0.042**		**0.051**		**0.128**		**0.045**	J2	**0.045**	J2	**0.008**		**0.036**		**0.052**		**0.053**		0.020	U	**0.111**		**0.155**	
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	NA		NA		NA		**36.6**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		**8.47**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA		NA		**5.4**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA		NA		**5.50**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		**370**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**130**	J2	**650**		**370**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		K		K		K		K		K		K		K		K		K		K		K		K		K		K	
4		BR55O		CB49K		CK77L		CT37O		DE68D		DM52K		DW29I		ED16H		EM75F		ER92B		EZ03J		FF88G		FL41C		FU45B	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
63	**PRIORITY POLLUTANT**																												
64	**METALS (mg/L)**																												
65	Arsenic (7060)	0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	**0.001**		0.001	U	**0.001**		**0.002**		0.001	U	0.05	U	0.001	U	**0.001**		**0.002**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.009**		0.005	U	0.005	U	0.005	U	0.005	U	**0.006**	
67	Copper (6010)	**0.002**		**0.004**		**0.004**	J2	**0.002**		0.002	U	**0.002**		**0.003**		**0.012**		**0.010**		**0.004**		**0.006**		**0.003**		**0.007**		**0.012**	
68	Lead (7421)	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		**0.003**		0.001	U	0.02	U	0.001	U	0.001	U	**0.005**	
69	Nickel (6010)	**0.01**		**0.01**		**0.03**		**0.03**		**0.02**		**0.03**		**0.05**		**0.03**		**0.08**		**0.02**		**0.05**		**0.1**		**0.04**		**0.04**	
70	Zinc (6010)	**0.014**		**0.006**		**0.009**		**0.009**		**0.006**		**0.007**		**0.013**		**0.029**		**0.040**		**0.009**		**0.01**		**0.059**		**0.05**	J	**0.029**	
71																													
72	**MAJOR IONS AND CONVENTIONALS**																												
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		**65.3**		**40.3**		**79.8**		NA		NA		NA		NA		NA		NA		NA	
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		**16.0**		**13.7**		**18.2**		NA		NA		NA		NA		NA		NA		NA	
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		**6.9**		**4.4**		**7.6**		NA		NA		NA		NA		NA		NA		NA	
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		**11.2**		**8.24**		**12.2**		NA		NA		NA		NA		NA		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
81	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
86																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1												
2												
3		K		K		K		K		K		K
4		FY64G		0402098-01		0406060-01		0408020-02		0411052-05		P5H0734-05
5		10/21/03		2/19/04		6/9/04		8/03/04		11/9/04		08/17/05
63	**PRIORITY POLLUTANT**											
64	**METALS (mg/L)**											
65	Arsenic (7060)	0.001	U	NA		NA		NA		NA		NA
66	Chromium (6010)	0.005	U	NA		NA		NA		NA		NA
67	Copper (6010)	**0.006**		NA		NA		NA		NA		NA
68	Lead (7421)	0.001	U	NA		NA		NA		NA		NA
69	Nickel (6010)	**0.03**		NA		NA		NA		NA		NA
70	Zinc (6010)	**0.014**		NA		NA		NA		NA		NA
71												
72	**MAJOR IONS AND CONVENTIONALS**											
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		NA		NA		NA
81	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA
86												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2													Dup of K								Dup of K							
3			K		K		K		K		K		W		K		K		K		Z		K		K		K	
4			S177A		T176U		U235X		V208E		W391J		W391K		Y314L		Z225U		Z960W		Z960V		AH27C		BB82B		BH75J	
5			4/1/97		7/16/97		10/23/97		1/28/98		5/19/98		5/19/98		8/17/98		11/13/98		2/16/99		2/16/99		5/17/99		12/6/99		2/15/00	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	5.70		5.88		5.68		5.22		5.14		5.15		5.37		5.23		4.89		4.87		4.86		4.91		5.40	
89	82	Temperature (° C) (avg)	12.0		17.4		16.8		12.7		13.9		13.8		17.6		15.2		12.1		11.9		14.1		14.7		11.9	
90	83	Conductivity (um/hos)	157		155		677		382		187		185		130		175		184		187		114		1790		259	
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		3.50		3.50		2.23		2.20		2.79		2.79		2.38		2.90		5.01	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		K		K		K		K		K		K		K		K		K		K		K		K		K		K	
4		BR55O		CB49K		CK77L		CT37O		DE68D		DM52K		DW29I		ED16H		EM75F		ER92B		EZ03J		FF88G		FL41C		FU45B	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
87	**FIELD PARAMETERS**																												
88	pH (avg)	5.34		5.63		5.05		6.09		6.22		6.92		5.98		5.05		5.83		5.77		6.21		6.35		6.05		6.25	
89	Temperature (° C) (avg)	14.0		16.0		15.3		13.0		13.6		15.4		14.6		11.1		15.2		15.8		16		13.9		13.3		15.9	
90	Conductivity (um/hos)	157		161		323		694		531		350		645		78		199		157		325		835		143		193	
91	Dissolved oxygen (mg/L) (avg)	1.99		1.78		2.36		3.15		1.80		3.01		3.35		5.92		4.91		0.91		0.66		0		4.61		2.26	
92																													
93	**DIOXINS AND FURANS (ng/L)**																												
94	**Method 8290**																												
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																													
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1												
2												
3		K		K		K		K		K		K
4		FY64G		0402098-01		0406060-01		0408020-02		0411052-05		P5H0734-05
5		10/21/03		2/19/04		6/9/04		8/03/04		11/9/04		08/17/05
87	**FIELD PARAMETERS**											
88	pH (avg)	6.37		5.18		4.41		6.93		6.17		6.14
89	Temperature (° C) (avg)	17.3		11.4		15.2		16		16.1		15.7
90	Conductivity (um/hos)	250		109		197		292		269		218
91	Dissolved oxygen (mg/L) (avg)	2.57		6.06		2.12		NM		1.55		NM
92												
93	**DIOXINS AND FURANS (ng/L)**											
94	**Method 8290**											
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA
120												
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA
122												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2													Dup of K								Dup of K							
3			K		K		K		K		K		W		K		K		K		Z		K		K		K	
4			S177A		T176U		U235X		V208E		W391J		W391K		Y314L		Z225U		Z960W		Z960V		AH27C		BB82B		BH75J	
5			4/1/97		7/16/97		10/23/97		1/28/98		5/19/98		5/19/98		8/17/98		11/13/98		2/16/99		2/16/99		5/17/99		12/6/99		2/15/00	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		K		K		K		K		K		K		K		K		K		K		K		K		K		K	
4		BR55O		CB49K		CK77L		CT37O		DE68D		DM52K		DW29I		ED16H		EM75F		ER92B		EZ03J		FF88G		FL41C		FU45B	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
123	**PAHs (µg/L)**																												
124	**EPA Method SW8270 SIM**																												
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1												
2												
3		K		K		K		K		K		K
4		FY64G		0402098-01		0406060-01		0408020-02		0411052-05		P5H0734-05
5		10/21/03		2/19/04		6/9/04		8/03/04		11/9/04		08/17/05
123	**PAHs (µg/L)**											
124	**EPA Method SW8270 SIM**											
125	Naphthalene	0.1	U	NA		NA		NA		NA		NA
126	2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA
127	Acenaphthylene	0.1	U	NA		NA		NA		NA		NA
128	Acenaphthene	0.1	U	NA		NA		NA		NA		NA
129	Fluorene	0.1	U	NA		NA		NA		NA		NA
130	Anthracene	0.1	U	NA		NA				NA		NA
131	Dibenzofuran	0.1	U	NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			L		L		L		L		L		L		L		L		L		L		L		L		L	
4			S167H		T176A		U258B		V232H		W371E		Y336F		Z225F		Z960B		AH49E		AU22C		BC27A		BH75I		BR64H	
5			4/1/97		7/15/97		10/23/97		1/30/98		5/18/98		8/18/98		11/13/98		2/16/99		5/18/99		9/20/99		12/7/99		2/15/00		5/24/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	**2.0**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH
1							
2							
3		L		L		L	
4		CT37D		ED16E		FF88K	
5		2/12/01		2/25/02		2/13/03	
6							
7	**CHLORINATED PHENOLS (µg/L)**						
8	**EPA Method SW8040**						
9	Pentachlorophenol	0.25	U	0.25	U	0.26	U
10	2,4,6-Trichlorophenol	NA		NA		NA	
11	2,3,6-Trichlorophenol	NA		NA		NA	
12	2,4,5-Trichlorophenol	NA		NA		NA	
13	2,3,4-Trichlorophenol	NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA	
16							
17	**SEMIVOLATILES (µg/L)**						
18	**EPA Method SW8270**						
19	Phenol	2.0	U	2.0	U	2	U
20	4-Methylphenol	1.0	U	1.0	U	1	U
21	Isophorone	1.0	U	1.0	U	1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.1	U
23	Benzoic Acid	10	U	50	U	51	U
24	Naphthalene	1.0	U	1.0	U	1	U
25	2-Methylnaphthalene	1.0	U	1.0	U	1	U
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.1	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.1	U
28	Acenaphthene	1.0	U	1.0	U	1	U
29	Dibenzofuran	1.0	U	1.0	U	1	U
30	Fluorene	1.0	U	1.0	U	1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.1	U
32	bis(2-Ethylhexyl)phthalate	1.0	U	4.0	U	1	U
33							
34	**VOLATILES (µg/L)**						
35	**EPA Method SW8260**						
36	Acetone	6.1	U	5.0	U	5	U
37	Carbon Disulfide	1.0	U	1.0	U	1	U
38	2-Butanone	5.0	U	5.0	U	5	U
39	Benzene	1.0	U	1.0	U	1	U
40	Bromoform	1.0	U	1.0	U	1	U
41	Toluene	1.0	U	1.0	U	1	U
42	Ethylbenzene	1.0	U	1.0	U	1	U
43	Styrene	1.0	U	1.0	U	1	U
44	m,p-Xylene	1.0	U	1.0	U	1	U
45	o-Xylene	1.0	U	1.0	U	1	U
46	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1	U
47	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1	U
48	Isopropylbenzene	1.0	U	1.0	U	1	U
49	n-Propylbenzene	1.0	U	1.0	U	1	U
50	tert-Butylbenzene	1.0	U	1.0	U	1	U
51	sec-Butylbenzene	1.0	U	1.0	U	1	U
52	4-Isopropyltoluene	1.0	U	1.0	U	1	U
53	n-Butylbenzene	1.0	U	1.0	U	1	U
54	Naphthalene	5.0	U	5.0	U	5	U
55	Methyl tert-butyl ether	NA		NA		NA	
56							
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**						
58	**Method OR-DEQ**						
59	**TPH-Diesel**	0.25	U	0.25	U	0.25	U
60	**TPH-D Motor Oil**	NA		NA		NA	
61	**TPH-Gasoline**	NA		NA		NA	
62							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			L		L		L		L		L		L		L		L		L		L		L		L		L	
4			S167H		T176A		U258B		V232H		W371E		Y336F		Z225F		Z960B		AH49E		AU22C		BC27A		BH75I		BR64H	
5			4/1/97		7/15/97		10/23/97		1/30/98		5/18/98		8/18/98		11/13/98		2/16/99		5/18/99		9/20/99		12/7/99		2/15/00		5/24/00	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	0.001	U	0.001	U	0.05	U	0.05	U	0.001	U	0.001	U	**0.007**		0.001	U	0.001	U	**0.003**		0.001	U	**0.001**		0.001	U
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.009**		0.005	U
67	60	Copper (6010)	**0.003**		**0.003**		**0.003**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.008**		**0.003**		**0.002**	
68	61	Lead (7421)	**0.001**		0.001	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.002**		0.001	U	0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.01**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	63	Zinc (6010)	**0.004**		**0.004**	J2	**0.005**		**0.005**		**0.005**	J2	**0.005**		**0.004**		**0.051**		**0.004**		**0.008**		0.012	U	0.006	U	0.006	U
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**2.77**		**3.56**		**4.93**		**3.76**		NA		NA		NA		**3.24**		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**0.99**		**1.56**		**1.98**		**1.35**		NA		NA		NA		**1.18**		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**1.2**		**0.8**		**1.6**		**1.1**		NA		NA		NA		**1.0**		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**4.58**		**5.81**		**8.14**		**3.34**		NA		NA		NA		**3.61**		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**16**		**30**		**28**		**21**		NA		NA		NA		**16**		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**16**		**30**		**28**		**21**		NA		NA		NA		**16**		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**100**	J2	**57**		**60**	J2	46		74		130		**36**		**57**		**92**		**77**		**65**		**56**	
81	74	Chloride (mg/L) (EPA 325.2)	1.0	U	**3.8**		**1.9**		**1.0**		1.0		1.0	U	1.7		1.0	U	**1.5**		**1.5**		**3.4**		**2.0**		**1.8**	
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.34**	J	**0.01**		**0.84**		**0.31**	J2	NA		NA		NA		**0.24**	J	NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.010	U	0.010	UJ	NA		NA		NA		0.010	UJ	NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.34**	J	**0.01**		**0.84**		**0.31**	J2	NA		NA		NA		**0.24**	J	NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	**2.7**	J	**4.8**		**4.0**		**2.8**		NA		NA		NA		**3.6**		NA		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH
1							
2							
3		L		L		L	
4		CT37D		ED16E		FF88K	
5		2/12/01		2/25/02		2/13/03	
63	**PRIORITY POLLUTANT**						
64	**METALS (mg/L)**						
65	Arsenic (7060)	0.001	U	0.001	U	**0.001**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U
67	Copper (6010)	0.002	U	0.002	U	**0.004**	
68	Lead (7421)	0.001	U	0.001	U	**0.001**	
69	Nickel (6010)	0.01	U	0.01	U	0.01	U
70	Zinc (6010)	0.006	U	0.006	U	**0.009**	
71							
72	**MAJOR IONS AND CONVENTIONALS**						
73	Calcium (mg/L) (6010)	**11.5**		**3.20**		**2.61**	
74	Magnesium (mg/L) (6010)	**4.04**		**1.34**		**1.19**	
75	Potassium (mg/L) (6010)	**1.4**		**0.8**		**0.7**	
76	Sodium (mg/L) (6010)	**8.26**		**3.29**		**2.5**	
77	Alkalinity (mg/L CaCO3) (SM 2320)	**64**		**21**		**16**	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1	U
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**64**		**21**		**16**	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**120**		**57**		**66**	
81	Chloride (mg/L) (EPA 325.2)	**1.4**		**2.4**		**1**	
82	N-Nitrate (mg-N/L) (Calculated)	**0.47**		**0.36**		**0.45**	
83	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.01	U
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.47**	J	**0.36**		**0.45**	
85	Sulfate (mg/L) (EPA 375.2)	**4.4**		**3.6**		2.5	U
86							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			L		L		L		L		L		L		L		L		L		L		L		L		L	
4			S167H		T176A		U258B		V232H		W371E		Y336F		Z225F		Z960B		AH49E		AU22C		BC27A		BH75I		BR64H	
5			4/1/97		7/15/97		10/23/97		1/30/98		5/18/98		8/18/98		11/13/98		2/16/99		5/18/99		9/20/99		12/7/99		2/15/00		5/24/00	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.02		6.18		6.24		7.10		5.49		5.87		5.84		6.26		5.54		5.41		5.72		6.16		5.94	
89	82	Temperature (° C) (avg)	9.8		15.5		16.4		9.6		13.1		15.7		13.8		8.9		13.1		15.5		13.0		10.8		13.1	
90	83	Conductivity (um/hos)	41		68		81		55		60		95		89		39		42		101		75		50		63	
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		4.51		2.60		1.87		5.67		2.93		2.16		4.48		4.25		3.14	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH
1							
2							
3		L		L		L	
4		CT37D		ED16E		FF88K	
5		2/12/01		2/25/02		2/13/03	
87	**FIELD PARAMETERS**						
88	pH (avg)	6.07		5.89		7.12	
89	Temperature (° C) (avg)	13.2		8.5		11.2	
90	Conductivity (um/hos)	104		37		41	
91	Dissolved oxygen (mg/L) (avg)	2.56		7.55		0	
92							
93	**DIOXINS AND FURANS (ng/L)**						
94	**Method 8290**						
95	2,3,7,8-TCDF	NA		NA		NA	
96	Total TCDF	NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA	
98	Total TCDD	NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA	
101	Total PeCDF	NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA	
103	Total PeCDD	NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA	
108	Total HxCDF	NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA	
112	Total HxCDD	NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA	
115	Total HpCDF	NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA	
117	Total HpCDD	NA		NA		NA	
118	OCDF	NA		NA		NA	
119	OCDD	NA		NA		NA	
120							
121	**ETHANOL (mg/L)**	NA		NA		NA	
122							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																												
3			L		L		L		L		L		L		L		L		L		L		L		L		L	
4			S167H		T176A		U258B		V232H		W371E		Y336F		Z225F		Z960B		AH49E		AU22C		BC27A		BH75I		BR64H	
5			4/1/97		7/15/97		10/23/97		1/30/98		5/18/98		8/18/98		11/13/98		2/16/99		5/18/99		9/20/99		12/7/99		2/15/00		5/24/00	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH
1							
2							
3		L		L		L	
4		CT37D		ED16E		FF88K	
5		2/12/01		2/25/02		2/13/03	
123	**PAHs (µg/L)**						
124	**EPA Method SW8270 SIM**						
125	Naphthalene	NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA	
127	Acenaphthylene	NA		NA		NA	
128	Acenaphthene	NA		NA		NA	
129	Fluorene	NA		NA		NA	
130	Anthracene	NA		NA		NA	
131	Dibenzofuran	NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S
4			S167K		T176E		U235T		V208F		W371G		Y336I		Z225E		Z960A		AH27G		AU45J		BB82C		BH75G		BR55G		CB49C
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/19/98		11/13/98		2/17/99		5/17/99		9/23/99		12/6/99		2/15/00		5/23/00		8/28/00
7	1	**CHLORINATED PHENOLS (µg/L)**																											
8	2	**EPA Method SW8040**																											
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	UJ	0.25
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
16	10																												
17	11	**SEMIVOLATILES (µg/L)**																											
18	12	**EPA Method SW8270**																											
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.1**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
33	27																												
34	28	**VOLATILES (µg/L)**																											
35	29	**EPA Method SW8260**																											
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
56	49																												
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																											
58	51	**Method OR-DEQ**																											
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1																														
2																														
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S	
4			CK77D		CT37B		DE68F		DM52E		DW48M		ED16J		EM75G		ER92C		EY88E		FF88M		FL41F		FU31C		FY64J		0402098-02	
5			11/7/00		2/12/01		6/4/01		8/15/01		11/29/01		2/25/02		6/25/02		08/26/02		11/11/02		2/13/03		5/7/03		8/27/03		10/21/03		2/19/04	
7	**CHLORINATED PHENOLS (µg/L)**																													
8	**EPA Method SW8040**																													
9	Pentachlorophenol	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.28	U	0.25	U	0.25	U	0.26	U	0.54	U	0.5	U	NA	
10	2,4,6-Trichlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																														
17	**SEMIVOLATILES (µg/L)**																													
18	**EPA Method SW8270**																													
19	Phenol	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.2	U	2	U	2	U	2	U	2.2	U	2	U	NA	
20	4-Methylphenol	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
21	Isophorone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
22	2,4-Dimethylphenol	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.3	U	3	U	3	U	3.1	U	3.3	U	3	U	NA	
23	Benzoic Acid	U	10	U	10	U	10	U	10	U	30	U	50	U	50	U	56	U	50	U	50	U	51	U	54	U	10	U	NA	
24	Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
25	2-Methylnaphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
26	2,4,6-Trichlorophenol	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5	U	5	U	5.1	U	5.4	U	5	U	NA	
27	2,4,5-Trichlorophenol	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5	U	5	U	5.1	U	5.4	U	5	U	NA	
28	Acenaphthene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
29	Dibenzofuran	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
30	Fluorene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1	U	1	U	1	U	1.1	U	1	U	NA	
31	Pentachlorophenol	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5	U	5	U	5.1	U	5.4	U	5	U	NA	
32	bis(2-Ethylhexyl)phthalate	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U	4.0	U	4.4	U	4	U	1	U	1	U	1.1	U	1	U	NA	
33																														
34	**VOLATILES (µg/L)**																													
35	**EPA Method SW8260**																													
36	Acetone	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	5	U	5	U	5	U	5	U	NA	
37	Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
38	2-Butanone	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	5	U	5	U	5	U	5	U	NA	
39	Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	0.4	U
40	Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
41	Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
42	Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
43	Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
44	m,p-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	2	U
45	o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
46	1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
47	1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
48	Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
49	n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
50	tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
51	sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
52	4-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
53	n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U	1	U	NA	
54	Naphthalene	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	5	U	5	U	5	U	5	U	NA	
55	Methyl tert-butyl ether		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA	
56																														
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																													
58	**Method OR-DEQ**																													
59	**TPH-Diesel**	U	0.25	U	0.25	U	NA		NA		NA		0.25	U	NA		NA		NA		0.25	U	NA		NA		NA		NA	
60	**TPH-D Motor Oil**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	**TPH-Gasoline**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.25	U	0.1	U
62																														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1										
2										
3		LW1S		LW1S		LW1S		LW1S		LW1S
4		0406060-02		0408020-01		0411052-06		0502099-01		P5H0814-01
5		6/9/04		8/03/04		11/9/04		2/22/05		08/18/05
6										
7	**CHLORINATED PHENOLS (µg/L)**									
8	**EPA Method SW8040**									
9	Pentachlorophenol	NA		NA		NA		NA		NA
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA
16										
17	**SEMIVOLATILES (µg/L)**									
18	**EPA Method SW8270**									
19	Phenol	NA		NA		NA		1.97	U	5.00 U
20	4-Methylphenol	NA		NA		NA		9.86	U	5.00 U
21	Isophorone	NA		NA		NA		0.986	U	5.00 U
22	2,4-Dimethylphenol	NA		NA		NA		2.96	U	10.0 U
23	Benzoic Acid	NA		NA		NA		19.7	U	50.0 U
24	Naphthalene	NA		NA		NA		0.986	U	5.00 U
25	2-Methylnaphthalene	NA		NA		NA		0.986	U	5.00 U
26	2,4,6-Trichlorophenol	NA		NA		NA		4.93	U	5.00 U
27	2,4,5-Trichlorophenol	NA		NA		NA		4.93	U	5.00 U
28	Acenaphthene	NA		NA		NA		0.986	U	5.00 U
29	Dibenzofuran	NA		NA		NA		0.986	U	5.00 U
30	Fluorene	NA		NA		NA		0.986	U	5.00 U
31	Pentachlorophenol	NA		NA		NA		4.93	U	5 UJ
32	bis(2-Ethylhexyl)phthalate	NA		NA		NA		0.986	U	10.0 U
33										
34	**VOLATILES (µg/L)**									
35	**EPA Method SW8260**									
36	Acetone	NA		NA		NA		50	U	25.0 U
37	Carbon Disulfide	NA		NA		NA		2	U	10.0 U
38	2-Butanone	NA		NA		NA		10	U	10.0 U
39	Benzene	0.3	U	0.3	U	0.3	U	0.3	U	1.00 U
40	Bromoform	NA		NA		NA		1	U	1.00 U
41	Toluene	1	U	1	U	1	U	1	U	1.00 U
42	Ethylbenzene	1	U	1	U	1	U	1	U	1.00 U
43	Styrene	NA		NA		NA		1	U	1.00 U
44	m,p-Xylene	2	U	2	U	2	U	2	U	2.00 U
45	o-Xylene	1	U	1	U	1	U	1	U	1.00 U
46	1,3,5-Trimethylbenzene	NA		NA		NA		1	U	1.00 U
47	1,2,4-Trimethylbenzene	NA		NA		NA		1	U	1.00 U
48	Isopropylbenzene	NA		NA		NA		1	U	2.00 U
49	n-Propylbenzene	NA		NA		NA		1	U	1.00 U
50	tert-Butylbenzene	NA		NA		NA		1	U	1.00 U
51	sec-Butylbenzene	NA		NA		NA		1	U	1.00 U
52	4-Isopropyltoluene	NA		NA		NA		1	U	2.00 U
53	n-Butylbenzene	NA		NA		NA		1	U	5.00 U
54	Naphthalene	NA		NA		NA		1	U	2.00 U
55	Methyl tert-butyl ether	NA		NA		NA		1	U	1.00 U
56										
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**									
58	**Method OR-DEQ**									
59	**TPH-Diesel**	NA		NA		NA		0.246	U	0.263 U
60	**TPH-D Motor Oil**	NA		NA		NA		0.608	U	0.526 U
61	**TPH-Gasoline**	0.1	U	0.1	U	0.1	U	0.1	U	NA
62										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S
4			S167K		T176E		U235T		V208F		W371G		Y336I		Z225E		Z960A		AH27G		AU45J		BB82C		BH75G		BR55G		CB49C
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/19/98		11/13/98		2/17/99		5/17/99		9/23/99		12/6/99		2/15/00		5/23/00		8/28/00
63	56	**PRIORITY POLLUTANT**																											
64	57	**METALS (mg/L)**																											
65	58	Arsenic (7060)	**0.008**		**0.008**		0.05	U	0.05	U	**0.011**		**0.011**		**0.012**		**0.010**		**0.008**		**0.014**		**0.011**		**0.013**		**0.010**		**0.010**
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
67	60	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002
68	61	Lead (7421)	0.001	U	0.001	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01
70	63	Zinc (6010)	0.004	U	**0.005**	J2	**0.011**		0.004	U	**0.008**	J2	**0.012**		0.004	U	**0.010**	J	0.012	U	**0.005**		0.006	U	**0.007**		0.006	U	0.006
71	64																												
72	65	**MAJOR IONS AND CONVENTIONALS**																											
73	66	Calcium (mg/L) (6010)	**16.7**		**19.5**		**20.2**		**20.1**		NA		NA		NA		**18.4**		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	**5.95**		**6.73**		**7.53**		**7.23**		NA		NA		NA		**6.09**		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	**2.9**		**3.3**		**2.6**		**2.4**		NA		NA		NA		**2.8**		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	**7.70**		**9.08**		**7.22**		**8.08**		NA		NA		NA		**8.54**		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**80**		**77**		**88**		**94**		NA		NA		NA		**87**		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**80**		**77**		**88**		**94**		NA		NA		NA		**87**		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**140**	J2	**130**		**140**		110		99		140		**120**		**130**		**140**		**150**		**140**		**130**		**160**
81	74	Chloride (mg/L) (EPA 325.2)	**2.1**	J	**2.3**		**2.5**		**2.4**		2.3		1.0	U	1.8		**1.2**		**1.2**		**2.4**		**3.7**		**2.9**		**3.4**		**3.5**
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.58**	J	**1.3**		**0.11**		**0.48**		NA		NA		NA		**0.12**		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.010	U	0.010	U	NA		NA		NA		0.010	U	NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.58**	J	**1.3**		**0.11**		**0.48**		NA		NA		NA		**0.12**		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	**9.3**	J	**13**		**5.5**		**5.1**		NA		NA		NA		**7.2**		NA		NA		NA		NA		NA		NA
86	79																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1																														
2																														
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S	
4			CK77D		CT37B		DE68F		DM52E		DW48M		ED16J		EM75G		ER92C		EY88E		FF88M		FL41F		FU31C		FY64J		0402098-02	
5			11/7/00		2/12/01		6/4/01		8/15/01		11/29/01		2/25/02		6/25/02		08/26/02		11/11/02		2/13/03		5/7/03		8/27/03		10/21/03		2/19/04	
63	**PRIORITY POLLUTANT**																													
64	**METALS (mg/L)**																													
65	Arsenic (7060)		**0.011**		**0.010**		**0.009**		**0.011**		**0.012**		**0.023**		**0.010**		**0.011**		0.05	U	**0.014**		**0.007**		**0.009**		**0.008**		NA	
66	Chromium (6010)	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.007**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA	
67	Copper (6010)	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.009**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.003**		NA	
68	Lead (7421)	U	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	**0.004**		0.001	U	0.001	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	NA	
69	Nickel (6010)	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA	
70	Zinc (6010)	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.030**		0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.007**		NA	
71																														
72	**MAJOR IONS AND CONVENTIONALS**																													
73	Calcium (mg/L) (6010)		NA		**25.5**		**28.4**		**25.8**		**27.3**		**30.4**		NA		NA		NA		**36.9**		NA		NA		NA		NA	
74	Magnesium (mg/L) (6010)		NA		**9.47**		**10.6**		**10.2**		**10.4**		**11.7**		NA		NA		NA		**13.6**		NA		NA		NA		NA	
75	Potassium (mg/L) (6010)		NA		**2.0**		**2.4**		**2.2**		**2.4**		**3.4**		NA		NA		NA		**3.2**		NA		NA		NA		NA	
76	Sodium (mg/L) (6010)		NA		**7.23**		**7.87**		**7.24**		**7.20**		**10.2**		NA		NA		NA		**9.8**		NA		NA		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		**120**		NA		NA		NA		**120**		NA		NA		NA		**150**		NA		NA		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		1	U	NA		NA		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		**120**		NA		NA		NA		**120**		NA		NA		NA		**150**		NA		NA		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**170**		**170**		**180**		**160**		**170**		**160**		**200**		**210**		**210**		**180**		**190**		**190**		**200**			
81	Chloride (mg/L) (EPA 325.2)		**3.6**		**4.1**		**3.1**		**3.7**		**2.6**		**3.2**		**2.7**		**3.1**		**3**		**3.6**		**2.4**		**3**		**3.2**			
82	N-Nitrate (mg-N/L) (Calculated)		NA		**0.17**		NA		NA		NA		**0.91**		NA		NA		NA		**0.66**		NA		NA		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		0.010	U	NA		NA		NA		0.010	U	NA		NA		NA		0.01	U	NA		NA		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		**0.17**	J	NA		NA		NA		**0.91**		NA		NA		NA		**0.66**		NA		NA		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)		NA		**6.8**		NA		NA		NA		**5.7**		NA		NA		NA		**4.2**		NA		NA		NA		NA	
86																														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1										
2										
3		LW1S		LW1S		LW1S		LW1S		LW1S
4		0406060-02		0408020-01		0411052-06		0502099-01		P5H0814-01
5		6/9/04		8/03/04		11/9/04		2/22/05		08/18/05
63	**PRIORITY POLLUTANT**									
64	**METALS (mg/L)**									
65	Arsenic (7060)	NA		NA		NA		**0.0132**		**0.00898**
66	Chromium (6010)	NA		NA		NA		**0.0104**		0.001 U
67	Copper (6010)	NA		NA		NA		0.01	U	0.001 U
68	Lead (7421)	NA		NA		NA		**0.00119**		0.001 U
69	Nickel (6010)	NA		NA		NA		0.005	U	**0.00232**
70	Zinc (6010)	NA		NA		NA		**0.0124**		0.01 U
71										
72	**MAJOR IONS AND CONVENTIONALS**									
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		**202**		**194**
81	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		**4.05**		**2.97**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		**0.910**
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		**6.58**
86										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S
4			S167K		T176E		U235T		V208F		W371G		Y336I		Z225E		Z960A		AH27G		AU45J		BB82C		BH75G		BR55G		CB49C
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/19/98		11/13/98		2/17/99		5/17/99		9/23/99		12/6/99		2/15/00		5/23/00		8/28/00
87	80	**FIELD PARAMETERS**																											
88	81	pH (avg)	6.72		6.83		6.94		6.60		6.32		6.51		6.48		6.84		5.72		6.88		6.24		6.73		6.57		6.49
89	82	Temperature (° C) (avg)	13.4		16.9		15.8		15.4		14.8		15.9		14.5		14.5		14.4		16.1		14.9		14.4		14.3		16.0
90	83	Conductivity (um/hos)	190		203		154		213		195		193		100		174		146		197		212		206		182		196
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		1.73		1.84		3.04		3.91		1.22		2.53		2.34		2.17		1.80
92	85																												
93	86	**DIOXINS AND FURANS (ng/L)**																											
94	87	**Method 8290**																											
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																													
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1																														
2																														
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S	
4			CK77D		CT37B		DE68F		DM52E		DW48M		ED16J		EM75G		ER92C		EY88E		FF88M		FL41F		FU31C		FY64J		0402098-02	
5			11/7/00		2/12/01		6/4/01		8/15/01		11/29/01		2/25/02		6/25/02		08/26/02		11/11/02		2/13/03		5/7/03		8/27/03		10/21/03		2/19/04	
87	**FIELD PARAMETERS**																													
88	pH (avg)		5.21		6.56		6.75		6.94		6.71		6.22		6.57		6.61		6.62		6.94		6.88		6.86		6.77		5.92	
89	Temperature (° C) (avg)		15.2		14.9		14.6		15.8		15.4		14.3		16.1		16.3		16		16		14.9		16.8		18.3		15.7	
90	Conductivity (um/hos)		207		217		250		245		245		257		370		265		367		327		233		228		237		277	
91	Dissolved oxygen (mg/L) (avg)		1.86		1.90		1.99		1.09		3.75		4.77		5.34		0.77		3.86		0		3.28		2.2		1.64		2.32	
92																														
93	**DIOXINS AND FURANS (ng/L)**																													
94	**Method 8290**																													
95	2,3,7,8-TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																														
121	**ETHANOL (mg/L)**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1										
2										
3		LW1S		LW1S		LW1S		LW1S		LW1S
4		0406060-02		0408020-01		0411052-06		0502099-01		P5H0814-01
5		6/9/04		8/03/04		11/9/04		2/22/05		08/18/05
87	**FIELD PARAMETERS**									
88	pH (avg)	5.1		6.55		6.45		6.82		6.63
89	Temperature (° C) (avg)	16.2		16.7		16.6		15.4		16.8
90	Conductivity (um/hos)	207		269		228		157		222
91	Dissolved oxygen (mg/L) (avg)	1.46		NM		2.02		0.72		NM
92										
93	**DIOXINS AND FURANS (ng/L)**									
94	**Method 8290**									
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA
120										
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA
122										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1																													
2																													
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S
4			S167K		T176E		U235T		V208F		W371G		Y336I		Z225E		Z960A		AH27G		AU45J		BB82C		BH75G		BR55G		CB49C
5			4/1/97		7/15/97		10/23/97		1/28/98		5/18/98		8/19/98		11/13/98		2/17/99		5/17/99		9/23/99		12/6/99		2/15/00		5/23/00		8/28/00
123		**PAHs (µg/L)**																											
124		**EPA Method SW8270 SIM**																											
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
1																														
2																														
3			LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S		LW1S	
4			CK77D		CT37B		DE68F		DM52E		DW48M		ED16J		EM75G		ER92C		EY88E		FF88M		FL41F		FU31C		FY64J		0402098-02	
5			11/7/00		2/12/01		6/4/01		8/15/01		11/29/01		2/25/02		6/25/02		08/26/02		11/11/02		2/13/03		5/7/03		8/27/03		10/21/03		2/19/04	
123	**PAHs (µg/L)**																													
124	**EPA Method SW8270 SIM**																													
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
127	Acenaphthylene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
130	Anthracene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.1	U	NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1										
2										
3		LW1S		LW1S		LW1S		LW1S		LW1S
4		0406060-02		0408020-01		0411052-06		0502099-01		P5H0814-01
5		6/9/04		8/03/04		11/9/04		2/22/05		08/18/05
123	**PAHs (µg/L)**									
124	**EPA Method SW8270 SIM**									
125	Naphthalene	NA		NA		NA		0.0479	U	0.111 U
126	2-Methylnaphthalene	NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		0.0479	U	0.111 U
128	Acenaphthene	NA		NA		NA		0.0479	U	0.111 U
129	Fluorene	NA		NA		NA		0.0479	U	0.111 U
130	Anthracene	NA		NA		NA		0.0479	U	0.111 U
131	Dibenzofuran	NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1																											
2																									Dup of LW4S		
3			LW4S		LW4S		LW4S		LW4S		LW4S (a)		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW40S		LW4S
4			S167J		T176G		U235O		V232E		B802035-01		W391F		Y314F		Z225K		Z960L		AH49G		AU45B		AU45A		BC27Q
5			4/1/97		7/15/97		10/22/97		1/30/98		1/30/98		5/20/98		8/17/98		11/14/98		2/18/99		5/18/99		9/22/99		9/22/99		12/9/99
7	1	**CHLORINATED PHENOLS (µg/L)**																									
8	2	**EPA Method SW8040**																									
9	3	Pentachlorophenol	**5.3**		**1.7**		**1.2**		**0.43**		**0.282**		**5.3**		**5.9**		**3900**		**0.42**		**6.4**		**22**		**23**		**5.4**
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	**0.85**		0.25	U	0.25	U	0.25	U	0.25	U	0.25
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	4.4	U	0.25	U	0.25	U	0.29	U	0.29	U	0.25
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**0.32**		**0.16**	J1	0.25	U	0.25	U	0.250	U	**0.92**		**0.73**		**170**		0.25	U	**0.83**		**3.2**		**3.2**		**0.63**
15	9	2,3,4,5-Tetrachlorophenol	**0.27**		0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	**15**	J1	0.25	U	0.25	U	0.25	U	0.25	U	0.25
16	10																										
17	11	**SEMIVOLATILES (µg/L)**																									
18	12	**EPA Method SW8270**																									
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	5.00	U	2.0	U	2.0	U	2.0	U	2.0	U	**170**	J2	2.0	U	2.0	U	2.0
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	5.00	U	1.0	U	1.0	U	1.0	U	1.0	U	**27**		1.0	U	1.0	U	1.0
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	10.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	**29**		10	U	10	U	10
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	**39**		1.0	U	1.0	U	1.0
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	**55**		1.0	U	1.0	U	1.0
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.00	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.00	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	10.0	U	**5.6**		**8.2**		**4200**		5.0	U	**2.3**	J1	**22**		**21**		**4.9**
32	26	bis(2-Ethylhexyl)phthalate	**2.0**		**2.8**	J2	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
33	27																										
34	28	**VOLATILES (µg/L)**																									
35	29	**EPA Method SW8260**																									
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	**12**		**13**		5.0
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**1.8**		1.0	U	1.0	U	1.0	U	1.0	U	1.0
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**3.8**		1.0	U	1.0	U	**1.0**	J1	**1.4**		1.0
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**20**		1.0	U	**8.1**		**1.4**		**1.9**		1.0
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**5.7**		1.0	U	1.0	U	1.0	U	1.0	U	1.0
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**77**		1.0	U	1.0	U	**10**	J2	**13**	J2	1.0
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**5.3**		1.0	U	1.0	U	1.0	U	**1.1**		1.0
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**6.0**		1.0	U	1.0	U	1.0	U	1.0	U	1.0
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	UJ	**5.9**		1.0	U	1.0	U	1.0	U	1.0	U	1.0
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	**2.5**		1.0	U	1.0	U	1.0	U	1.0	U	1.0
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	**7.1**		5.0	U	5.0	U	5.0	U	5.0	U	5.0
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
56	49																										
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																									
58	51	**Method OR-DEQ**																									
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		**0.44**		**0.32**		**3.6**		0.25	U	0.25	U	**0.42**		**0.56**		0.25
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1																												
2			Dup of LW4S																									
3			LW40S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S	
4			BC27O		BH96D		BR55C		CB68C		CL03F		CT67C		DE87J		DM30C		DW29F		ED30G		EN00G		ER93K		EZ17E	
5			12/9/99		2/17/00		5/22/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/13/02	
6																												
7	**CHLORINATED PHENOLS (µg/L)**																											
8	**EPA Method SW8040**																											
9	Pentachlorophenol		**5.4**		**2.5**		**740**	J2	**7200**		**48**		0.25	U	0.25	U	0.25	U	0.25	U	**2.0**		NA		NA		**1.5**	
10	2,4,6-Trichlorophenol	U	0.25	U	0.25	U	**0.35**	J2	**2.2**		0.25	U	NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	U	0.25	U	0.25	U	**0.27**	J2	**6.1**		0.25	U	NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	U	0.25	U	0.25	U	**2.7**	J2	37	U	3.8	U	NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	U	0.25	U	0.25	U	0.25	U	**2.9**		0.25	U	NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		**0.59**		**0.32**		**190**	J2	**730**		**4.1**		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	U	0.25	U	0.25	U	**1.6**		**130**		**5.9**		NA		NA		NA		NA		NA		NA		NA		NA	
16																												
17	**SEMIVOLATILES (µg/L)**																											
18	**EPA Method SW8270**																											
19	Phenol	U	2.0	U	2.0	UJ	2.0	U	200	U	**730**		**100**		2.0	U	**3.3**		2.0	U	2.1	U	**56**		**210**		2.2	U
20	4-Methylphenol	U	1.0	U	1.0	UJ	1.0	U	**3.6**	M	**120**		**210**		**1.7**		1.0	U	1.0	U	1.1	U	22	U	**50**		1.1	U
21	Isophorone	U	1.0	U	1.0	UJ	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.0	U	1.2	U	1.1	U
22	2,4-Dimethylphenol	U	3.0	U	3.0	UJ	3.0	U	3.0	U	9.0	U	**4.4**		**3.1**		**5.9**		3.0	U	3.2	U	3.0	U	3.8	U	3.3	U
23	Benzoic Acid	U	10	U	10	UJ	10	U	**44**		**96**		**200**		10	U	10	U	30	U	53	U	50	U	62	U	54	U
24	Naphthalene	U	1.0	U	1.0	UJ	**15**		**21**		**13**		**8.5**		**19**		**19**		1.0	U	1.1	U	**14**		**5.6**		1.1	U
25	2-Methylnaphthalene	U	1.0	U	1.0	UJ	1.0	U	1.0	U	**5.7**		**3.6**		**9.5**		**12**		1.0	U	1.1	U	**7.5**		**2.1**		1.1	U
26	2,4,6-Trichlorophenol	U	5.0	U	5.0	UJ	5.0	U	5.0	U	15	U	5.0	U	5.0	U	5.0	U	5.0	U	5.3	U	**17**		**7.7**		5.4	U
27	2,4,5-Trichlorophenol	U	5.0	U	5.0	UJ	5.0	U	5.0	U	15	U	5.0	U	5.0	U	5.0	U	5.0	U	5.3	U	**8.9**		6.2	U	5.4	U
28	Acenaphthene	U	1.0	U	1.0	UJ	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.0	U	1.2	U	1.1	U
29	Dibenzofuran	U	1.0	U	1.0	UJ	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.0	U	1.2	U	1.1	U
30	Fluorene	U	1.0	U	1.0	UJ	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.0	U	1.2	U	1.1	U
31	Pentachlorophenol	J1	**4.4**	J1	5.0	UJ	**760**	J2	**9400**	J2	**120**		5.0	U	5.0	U	5.0	U	5.0	U	5.3	U	**2200**		**770**		5.4	U
32	bis(2-Ethylhexyl)phthalate	U	1.0	U	1.1	UJ	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**120**		4.0	U	5	U	4.3	U
33																												
34	**VOLATILES (µg/L)**																											
35	**EPA Method SW8260**																											
36	Acetone	U	5.0	U	5.0	U	**25**		**83**		**49**		**41**		5.0	U	15	U	5.0	U	5.0	U	**120**		**320**		19	U
37	Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U
38	2-Butanone	U	5.0	U	5.0	U	**18**		25	U	**110**		**100**		5.0	U	15	U	5.0	U	5.0	U	**58**		**27**		5	U
39	Benzene	U	1.0	U	1.0	U	1.0	U	5.0	U	**7.4**		**110**		**80**		**78**		1.0	U	1.0	U	**4.1**		3	U	1	U
40	Bromoform	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U
41	Toluene	U	1.0	U	1.0	U	1.0	U	**9.2**		**19**		**25**		**41**		**6.9**		1.0	U	1.0	U	**7.5**		**10**		1	U
42	Ethylbenzene	U	1.0	U	1.0	U	**9.8**		**94**		**61**		**79**		**190**		**140**		1.0	U	1.0	U	**68**		**94**	J	**4.8**	
43	Styrene	U	1.0	U	1.0	U	1.0	U	5.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U
44	m,p-Xylene	U	1.0	U	1.0	U	**17**		**110**		**170**		**240**		**600**		**460**		1.0	U	1.0	U	**95**		**150**		**3.8**	
45	o-Xylene	U	1.0	U	1.0	U	**140**		**210**		**88**		**120**		**240**		**180**		1.0	U	1.0	U	**180**		**180**		**5.9**	
46	1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	**3.2**		**140**		**46**		**58**		**130**		**94**		1.0	U	1.0	U	**58**		**150**	J	**1.7**	
47	1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	**33**		**500**		**160**		**130**		**350**		**280**		**1.5**		1.0	U	**230**		**540**	J	**19**	
48	Isopropylbenzene	U	1.0	U	1.0	U	**28**		**48**		**19**		**28**		**62**		**37**		1.0	U	1.0	U	**38**		**63**	J	**4.5**	
49	n-Propylbenzene	U	1.0	U	1.0	U	**9.8**		**79**		**27**		**36**		**79**		**48**		**1.1**		1.0	U	**43**		**94**	J	**5.4**	
50	tert-Butylbenzene	U	1.0	U	1.0	U	**3.4**		5.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0	U	**3.1**		3	U	1	U
51	sec-Butylbenzene	U	1.0	U	1.0	U	**26**		**25**		**7.7**		**7.0**		1.0	U	3.0	U	1.0	U	1.0	U	**16**		**21**	J	**2**	
52	4-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	**19**		**4.8**		**4.9**		**9.9**		**6.7**		1.0	U	1.0	U	**8.8**		**16**		1	U
53	n-Butylbenzene	U	1.0	U	1.0	U	1.6	U	13	U	6.8	U	**6.2**		10	U	7.5	U	1.0	U	1.0	U	7.9		**11**	J	1	U
54	Naphthalene	U	5.0	U	5.0	U	**26**		**31**		**19**		**18**		**48**		**27**		5.0	U	5.0	U	**21**		15	U	5	U
55	Methyl tert-butyl ether		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																												
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																											
58	**Method OR-DEQ**																											
59	**TPH-Diesel**	U	0.25	U	0.25	U	**3.6**		**15**		**19**		**3.4**		**7.9**		**4.1**		0.25	U	**0.34**		**25**		**9.9**		**3.2**	
60	**TPH-D Motor Oil**		NA		NA		NA		NA		5.0	U	NA		NA		NA		NA		NA		NA		NA		NA	
61	**TPH-Gasoline**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
1																						
2																Dup of LW4S						
3		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		X		LW4S		LW4S		LW4S
4		FF65F		FL58F		FU45O		FY82K		0402113-07		0408036-08		0411066-12		0411066-01		0502087-01		P5F0223-07		P5H0814-05
5		2/11/03		5/8/03		8/28/03		10/24/03		2/23/04		8/05/04		11/11/04		11/11/04		2/17/05		6/6/05		08/18/05
7	**CHLORINATED PHENOLS (µg/L)**																					
8	**EPA Method SW8040**																					
9	Pentachlorophenol	0.26	U	NA		NA		**3.9**		0.49	U	NA		5.08	U	0.5	U	0.501	U	NA		NA
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
16																						
17	**SEMIVOLATILES (µg/L)**																					
18	**EPA Method SW8270**																					
19	Phenol	2	U	2	U	2	U	2	U	2.05	U	2	U	2.03	U	1.97	U	2.01	U	5.00	U	5.00 U
20	4-Methylphenol	1	U	1	U	1	U	1	U	10.2	U	10	U	10.2	U	9.83	U	10.1	U	5.00	U	5.00 U
21	Isophorone	1	U	1	U	1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
22	2,4-Dimethylphenol	3.1	U	3	U	3	U	3	U	3.07	U	3	U	3.05	U	2.95	U	3.02	U	10.00	U	10.0 U
23	Benzoic Acid	51	U	50	U	50	U	10	U	20.5	U	20	U	20.3	U	19.7	U	20.1	U	50.0	U	50.0 U
24	Naphthalene	1	U	**4.8**		1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
25	2-Methylnaphthalene	1	U	1	U	1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
26	2,4,6-Trichlorophenol	5.1	U	5	U	5	U	5	U	5.12	U	5	U	5.08	U	4.92	U	5.03	U	5.00	U	5.00 U
27	2,4,5-Trichlorophenol	5.1	U	5	U	5	U	5	U	5.12	U	5	U	5.08	U	4.92	U	5.03	U	5.00	U	5.00 U
28	Acenaphthene	1	U	1	U	1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
29	Dibenzofuran	1	U	1	U	1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
30	Fluorene	1	U	1	U	1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	5.00	U	5.00 U
31	Pentachlorophenol	5.1	U	**1400**		**17**		5	U	5.12	U	**8.52**		0.494	U	4.92	U	5.03	U	**58.4**		**1960**
32	bis(2-Ethylhexyl)phthalate	1	U	**1**		1	U	1	U	1.02	U	1	U	1.02	U	0.983	U	1.01	U	10.00	U	10.0 U
33																						
34	**VOLATILES (µg/L)**																					
35	**EPA Method SW8260**																					
36	Acetone	5	U	**7.2**	M	5	U	5	U	50	U	50	U	50	U	50	U	50	U	25.0	U	50.0 U
37	Carbon Disulfide	1	U	1	U	1	U	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	20.0 U
38	2-Butanone	5	U	5	U	5	U	5	U	10	U	10	U	10	U	10	U	10	U	10.00	U	20.0 U
39	Benzene	1	U	**3.2**		1	U	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	**1.20**		**11.3**
40	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
41	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
42	Ethylbenzene	1	U	**11**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
43	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
44	m,p-Xylene	1	U	**14**		1	U	1	U	2	U	2	U	2	U	2	U	2	U	2.00	U	4.00 U
45	o-Xylene	1	U	**59**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	**16.5**		**231**
46	1,3,5-Trimethylbenzene	1	U	**18**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
47	1,2,4-Trimethylbenzene	1	U	**210**		**1.2**	J	**1.4**		1	U	1	U	1	U	1	U	1	U	**4.49**		**199**
48	Isopropylbenzene	1	U	**24**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	**46.3**
49	n-Propylbenzene	1	U	**27**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	**18.4**
50	tert-Butylbenzene	1	U	**1.7**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	**3.10**
51	sec-Butylbenzene	1	U	**8.3**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	**15.5**
52	4-Isopropyltoluene	1	U	**5.7**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	4.00 U
53	n-Butylbenzene	1	U	**5**	M	1	U	1	U	1	U	1	U	1	U	1	U	1	U	5.00	U	10.0 U
54	Naphthalene	5	U	**42**		5	U	5	U	1	U	1	U	1	U	1	U	1	U	2.00	U	4.00 U
55	Methyl tert-butyl ether	NA		NA		NA		NA		1	U	1	U	1	U	1	U	1	U	1.00	U	2.00 U
56																						
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																					
58	**Method OR-DEQ**																					
59	**TPH-Diesel**	0.25	U	**5.3**		**0.36**		**0.26**		0.244	U	0.256	U	0.244	U	0.248	U	0.254	U	0.278	U	**1.52**
60	**TPH-D Motor Oil**	NA		NA		NA		0.5	U	0.487	U	0.511	U	0.488	U	0.496	U	0.509	U	0.556	U	0.526 U
61	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.161**		**1.86**
62																						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1																											
2																									Dup of LW4S		
3			LW4S		LW4S		LW4S		LW4S		LW4S (a)		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW40S		LW4S
4			S167J		T176G		U235O		V232E		B802035-01		W391F		Y314F		Z225K		Z960L		AH49G		AU45B		AU45A		BC27Q
5			4/1/97		7/15/97		10/22/97		1/30/98		1/30/98		5/20/98		8/17/98		11/14/98		2/18/99		5/18/99		9/22/99		9/22/99		12/9/99
63	56	**PRIORITY POLLUTANT**																									
64	57	**METALS (mg/L)**																									
65	58	Arsenic (7060)	0.001	U	**0.002**		0.05	U	0.05	U	NA		**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001
66	59	Chromium (6010)	0.005	U	**0.015**		0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005
67	60	Copper (6010)	**0.004**		**0.015**		0.002	U	**0.004**		NA		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002
68	61	Lead (7421)	0.001	U	**0.006**		0.02	U	0.02	U	NA		0.001	U	0.001	U	0.001	U	0.001	U	**0.002**		0.001	U	0.001	U	0.001
69	62	Nickel (6010)	**0.02**		**0.02**		0.01	U	0.01	U	NA		0.01	U	0.01	U	0.01	U	0.01	U	**0.01**		0.01	U	0.01	U	0.01
70	63	Zinc (6010)	**0.008**		**0.035**		0.004	U	**0.009**		NA		**0.005**	J2	0.004	U	**0.005**		**0.009**	J2	**0.011**		**0.007**		0.004	U	0.008
71	64																										
72	65	**MAJOR IONS AND CONVENTIONALS**																									
73	66	Calcium (mg/L) (6010)	**20.7**		**20.4**		**16.9**		**15.1**		NA		NA		NA		NA		**10.7**		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	**5.92**		**7.1**		**4.46**		**4.60**		NA		NA		NA		NA		**2.98**		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	**3.9**		**4.5**		**4.2**		**3.5**		NA		NA		NA		NA		**2.6**		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	**13.2**		**13.7**		**11.6**		**10.0**		NA		NA		NA		NA		**6.10**		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**75**		**64**		**62**		**64**		NA		NA		NA		NA		**43**		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		1.0	U	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**75**		**64**		**62**		**64**		NA		NA		NA		NA		**43**		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**140**	J2	**110**		**140**	J2	NA		160		160		180		**110**		**140**		**150**		**160**		**120**
81	74	Chloride (mg/L) (EPA 325.2)	**4.5**	J	**3.1**		**3.5**		**2.1**		NA		4.5		4.3		13		1.0	U	**2.2**		**7.1**		**6.9**		**4.3**
82	75	N-Nitrate (mg-N/L) (Calculated)	**11**	J	**3.3**		**5.1**		**4.2**	J2	NA		NA		NA		NA		**1.8**		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.010	U	**0.021**	J2	NA		NA		NA		NA		0.010	U	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**11**	J	**3.3**		**5.1**		**4.3**	J2	NA		NA		NA		NA		**1.8**		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	**13**	J	**15**		**4.5**		**6.8**		NA		NA		NA		NA		**6.5**		NA		NA		NA		NA
86	79																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1																												
2			Dup of LW4S																									
3			LW40S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S	
4			BC27O		BH96D		BR55C		CB68C		CL03F		CT67C		DE87J		DM30C		DW29F		ED30G		EN00G		ER93K		EZ17E	
5			12/9/99		2/17/00		5/22/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/13/02	
63	**PRIORITY POLLUTANT**																											
64	**METALS (mg/L)**																											
65	Arsenic (7060)	U	0.001	U	0.001	U	**0.001**		**0.004**		**0.006**		**0.009**		**0.008**		**0.010**		**0.002**		0.001	U	**0.002**		**0.006**		0.05	U
66	Chromium (6010)	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.07**	
67	Copper (6010)	U	0.002	U	0.002	U	**0.008**		**0.016**		**0.008**		0.002	U	**0.002**		0.002	U	0.002	U	0.002	U	**0.085**		**0.05**		**0.163**	
68	Lead (7421)	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		**0.002**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.001**		**0.04**	
69	Nickel (6010)	U	0.01	U	0.01	U	**0.01**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.03**		0.01	U	**0.11**	
70	Zinc (6010)	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.009**		0.006	U	0.006	U	**0.007**		0.006	U	0.006	U	0.006	U	**0.011**		**0.17**	
71																												
72	**MAJOR IONS AND CONVENTIONALS**																											
73	Calcium (mg/L) (6010)		NA		NA		NA		NA		NA		**164**		**149**		**144**		**13.9**		**25.8**		**163**		NA		NA	
74	Magnesium (mg/L) (6010)		NA		NA		NA		NA		NA		**56.0**		**48.2**		**43.6**		**4.06**		**7.66**		**49.6**		NA		NA	
75	Potassium (mg/L) (6010)		NA		NA		NA		NA		NA		**5.6**		**5.9**		**6.4**		**2.5**		**3.5**		**7.9**		NA		NA	
76	Sodium (mg/L) (6010)		NA		NA		NA		NA		NA		**9.87**		**9.35**		**11.5**		**4.35**		**7.39**		**15.0**		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		**810**		NA		NA		NA		**80**		NA		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		1.0	U	NA		NA		NA		1.0	U	NA		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		**810**		NA		NA		NA		**80**		NA		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**120**		**150**		**490**		**420**		**990**		**760**		**720**	J	**580**	J	**95**		**300**		**890**		**380**		**320**	
81	Chloride (mg/L) (EPA 325.2)		**4.5**		**3.5**		**9.9**		**4.6**		**7.7**		**7.5**	J	**5.3**		**7.1**		**1.7**		**6.7**	J	**9.4**		**5.2**		**7.3**	
82	N-Nitrate (mg-N/L) (Calculated)		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**8.4**		NA		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		NA		NA		NA		NA		**0.013**	J	NA		NA		NA		**0.022**		NA		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**8.4**		NA		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)		NA		NA		NA		NA		NA		**8.4**		NA		NA		NA		**18**		NA		NA		NA	
86																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
1																						
2																Dup of LW4S						
3		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		X		LW4S		LW4S		LW4S
4		FF65F		FL58F		FU45O		FY82K		0402113-07		0408036-08		0411066-12		0411066-01		0502087-01		P5F0223-07		P5H0814-05
5		2/11/03		5/8/03		8/28/03		10/24/03		2/23/04		8/05/04		11/11/04		11/11/04		2/17/05		6/6/05		08/18/05
63	**PRIORITY POLLUTANT**																					
64	**METALS (mg/L)**																					
65	Arsenic (7060)	0.001	U	0.001	U	**0.002**		**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001 U
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	**0.006**		**0.0071**		0.005	U	0.005	U	0.005	U	**0.008**		0.001	U	0.001 U
67	Copper (6010)	**0.002**		**0.028**		**0.003**		**0.006**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.0202**		**0.057**
68	Lead (7421)	0.001	U	0.001	U	0.001	U	0.001	U	0.0001	U	0.0001	U	**0.00018**		**0.00067**		**0.000546**		0.001	U	0.001 U
69	Nickel (6010)	0.01	U	**0.01**		0.01	U	0.01	U	0.005	U	0.005	U	0.0121	U	0.0128	U	**0.0219**		**0.0524**		**0.158**
70	Zinc (6010)	0.006	U	0.006	U	0.006	U	**0.009**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71																						
72	**MAJOR IONS AND CONVENTIONALS**																					
73	Calcium (mg/L) (6010)	**7.7**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	**2.25**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	**1.8**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	**4**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	**36**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**36**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**66**		**290**		**200**		**140**		**166**		**244**		**232**		**194**		**192**		**326**		**364**
81	Chloride (mg/L) (EPA 325.2)	1	U	**9.8**		**5.8**		**3**		**6.03**		**15.5**		**2.29**	J	**1.78**	J	**3.89**		**4.71**		**5.16**
82	N-Nitrate (mg-N/L) (Calculated)	**0.76**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	0.01	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.76**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	**6.4**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
86																						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1																											
2																									Dup of LW4S		
3			LW4S		LW4S		LW4S		LW4S		LW4S (a)		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW40S		LW4S
4			S167J		T176G		U235O		V232E		B802035-01		W391F		Y314F		Z225K		Z960L		AH49G		AU45B		AU45A		BC27Q
5			4/1/97		7/15/97		10/22/97		1/30/98		1/30/98		5/20/98		8/17/98		11/14/98		2/18/99		5/18/99		9/22/99		9/22/99		12/9/99
87	80	**FIELD PARAMETERS**																									
88	81	pH (avg)	6.46		6.86		6.76		6.61		6.61		6.08		6.23		6.33		6.31		5.67		6.51		6.49		6.57
89	82	Temperature (° C) (avg)	11.3		17.0		14.9		12.1		12.1		12.6		16.6		14.3		10.0		13.3		15.4		15.4		13.0
90	83	Conductivity (um/hos)	212		212		173		163		163		263		301		111		110		192		229		229		177
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		2.41		2.15		1.75		4.54		2.58		1.74		1.67		4.58
92	85																										
93	86	**DIOXINS AND FURANS (ng/L)**																									
94	87	**Method 8290**																									
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																											
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1																												
2			Dup of LW4S																									
3			LW40S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S	
4			BC27O		BH96D		BR55C		CB68C		CL03F		CT67C		DE87J		DM30C		DW29F		ED30G		EN00G		ER93K		EZ17E	
5			12/9/99		2/17/00		5/22/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/13/02	
87	**FIELD PARAMETERS**																											
88	pH (avg)		6.57		6.48		6.28		5.70		5.74		6.31		6.80		6.75		6.21		5.64		6.23		6.68		6.2	
89	Temperature (° C) (avg)		12.9		13.1		14.5		15.1		14.3		13.5		14.2		16.2		14.6		12.6		14.4		15.8		16.1	
90	Conductivity (um/hos)		177		209		478		433		884		809		1400		973		129		253		843		477		465	
91	Dissolved oxygen (mg/L) (avg)		4.75		0.93		1.91		1.36		0.62		0.00		0.00		0.84		4		7.53		5.19		0.62		2.03	
92																												
93	**DIOXINS AND FURANS (ng/L)**																											
94	**Method 8290**																											
95	2,3,7,8-TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121	**ETHANOL (mg/L)**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
1																						
2																Dup of LW4S						
3		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		X		LW4S		LW4S		LW4S
4		FF65F		FL58F		FU45O		FY82K		0402113-07		0408036-08		0411066-12		0411066-01		0502087-01		P5F0223-07		P5H0814-05
5		2/11/03		5/8/03		8/28/03		10/24/03		2/23/04		8/05/04		11/11/04		11/11/04		2/17/05		6/6/05		08/18/05
87	**FIELD PARAMETERS**																					
88	pH (avg)	6.59		6.33		6.82		6.65		5.8		5.89		6.4		6.43		6.55		6.75		5.58
89	Temperature (° C) (avg)	10.9		13		16.1		15.2		11.6		15.2		16.3		16.4		14.2		14.8		16.5
90	Conductivity (um/hos)	85		383		231		217		166		438		199		200		147		277		509
91	Dissolved oxygen (mg/L) (avg)	0		2.4		1.86		2.95		2.27		2.66		2.11		2.04		5.78		3.69		NM
92																						
93	**DIOXINS AND FURANS (ng/L)**																					
94	**Method 8290**																					
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																						
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1																											
2																									Dup of LW4S		
3			LW4S		LW4S		LW4S		LW4S		LW4S (a)		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW40S		LW4S
4			S167J		T176G		U235O		V232E		B802035-01		W391F		Y314F		Z225K		Z960L		AH49G		AU45B		AU45A		BC27Q
5			4/1/97		7/15/97		10/22/97		1/30/98		1/30/98		5/20/98		8/17/98		11/14/98		2/18/99		5/18/99		9/22/99		9/22/99		12/9/99
123		**PAHs (µg/L)**																									
124		**EPA Method SW8270 SIM**																									
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
1																												
2			Dup of LW4S																									
3			LW40S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S	
4			BC27O		BH96D		BR55C		CB68C		CL03F		CT67C		DE87J		DM30C		DW29F		ED30G		EN00G		ER93K		EZ17E	
5			12/9/99		2/17/00		5/22/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/13/02	
123	**PAHs (µg/L)**																											
124	**EPA Method SW8270 SIM**																											
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW
1																						
2																Dup of LW4S						
3		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		LW4S		X		LW4S		LW4S		LW4S
4		FF65F		FL58F		FU45O		FY82K		0402113-07		0408036-08		0411066-12		0411066-01		0502087-01		P5F0223-07		P5H0814-05
5		2/11/03		5/8/03		8/28/03		10/24/03		2/23/04		8/05/04		11/11/04		11/11/04		2/17/05		6/6/05		08/18/05
123	**PAHs (µg/L)**																					
124	**EPA Method SW8270 SIM**																					
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		NA		NA		1	U	NA		NA		NA		NA		NA
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130	Anthracene	NA		NA		NA		NA		NA		1	U	NA		NA		NA		NA		NA
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2					Dup of LW5S																							
3			LW5S		LW5D		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S	
4			S167E		S167F		T160A		U235G		V232G		W391C		Y336E		Z225G		Z960J		AH49F		AU22E		BC27C		BH96C	
5			3/31/97		3/31/97		7/14/97		10/22/97		1/30/98		5/19/98		8/18/98		11/13/98		2/18/99		5/18/99		9/20/99		12/7/99		2/17/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	**0.25**		**0.26**		**0.24**	J1	**0.25**		**0.27**		**0.18**	J1	**0.18**	J1	0.25	U	**0.25**		0.25	U	**0.13**	J1	0.25	U	**0.18**	J1
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ
1									
2									
3		LW5S		LW5S		LW5S		LW5S	
4		BR64F		CT37E		ED16F		FF88C	
5		5/24/00		2/12/01		2/25/02		2/13/03	
6									
7	**CHLORINATED PHENOLS (µg/L)**								
8	**EPA Method SW8040**								
9	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U
10	2,4,6-Trichlorophenol	0.25	U	NA		NA		NA	
11	2,3,6-Trichlorophenol	0.25	U	NA		NA		NA	
12	2,4,5-Trichlorophenol	0.25	U	NA		NA		NA	
13	2,3,4-Trichlorophenol	0.25	U	NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	0.25	U	NA		NA		NA	
16									
17	**SEMIVOLATILES (µg/L)**								
18	**EPA Method SW8270**								
19	Phenol	2.0	U	2.0	U	2.0	U	2	U
20	4-Methylphenol	1.0	U	1.0	U	1.0	U	1	U
21	Isophorone	1.0	U	1.0	U	1.0	U	1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3	U
23	Benzoic Acid	10	U	10	U	50	U	50	U
24	Naphthalene	1.0	U	1.0	U	1.0	U	1	U
25	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1	U
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5	U
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1	U
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1	U
30	Fluorene	1.0	U	1.0	U	1.0	U	1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5	U
32	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	4.0	U	1	U
33									
34	**VOLATILES (µg/L)**								
35	**EPA Method SW8260**								
36	Acetone	5.0	U	6.6	U	5.0	U	5	U
37	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1	U
38	2-Butanone	5.0	U	5.0	U	5.0	U	5	U
39	Benzene	1.0	U	1.0	U	1.0	U	1	U
40	Bromoform	1.0	U	1.0	U	1.0	U	1	U
41	Toluene	1.0	U	1.0	U	1.0	U	1	U
42	Ethylbenzene	1.0	U	1.0	U	1.0	U	1	U
43	Styrene	1.0	U	1.0	U	1.0	U	1	U
44	m,p-Xylene	1.0	U	1.0	U	1.0	U	1	U
45	o-Xylene	1.0	U	1.0	U	1.0	U	1	U
46	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1	U
47	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1	U
48	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1	U
49	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1	U
50	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1	U
51	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1	U
52	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1	U
53	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1	U
54	Naphthalene	5.0	U	5.0	U	5.0	U	5	U
55	Methyl tert-butyl ether	NA		NA		NA		NA	
56									
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**								
58	**Method OR-DEQ**								
59	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U
60	**TPH-D Motor Oil**	NA		NA		NA		NA	
61	**TPH-Gasoline**	NA		NA		NA		NA	
62									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2					Dup of LW5S																							
3			LW5S		LW5D		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S	
4			S167E		S167F		T160A		U235G		V232G		W391C		Y336E		Z225G		Z960J		AH49F		AU22E		BC27C		BH96C	
5			3/31/97		3/31/97		7/14/97		10/22/97		1/30/98		5/19/98		8/18/98		11/13/98		2/18/99		5/18/99		9/20/99		12/7/99		2/17/00	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	**0.001**		**0.002**		**0.002**		0.05	U	0.05	U	**0.003**		**0.003**		**0.003**		**0.008**		**0.003**		**0.003**		**0.002**		**0.003**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.028**		0.005	U	0.005	U	0.005	U	0.005	U
67	60	Copper (6010)	**0.004**		**0.004**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.027**		0.002	U	0.002	U	0.002	U	0.002	U
68	61	Lead (7421)	**0.004**		**0.003**		**0.002**		0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	**0.036**		0.001	U	0.001	U	0.001	U	0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.02**		0.01	U	0.01	U	0.01	U	0.01	U
70	63	Zinc (6010)	**0.008**		**0.011**		**0.004**		**0.005**		**0.004**		**0.008**	J2	0.004	U	**0.006**		**0.081**		0.004	U	0.004	U	0.006	U	0.006	U
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**18.5**		**18.8**		**16**		**11.5**		**14.2**		NA		NA		NA		**22.3**		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**5.42**		**5.51**		**4.67**		**3.22**		**3.96**		NA		NA		NA		**9.38**		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**3.5**		**3.5**		**2.7**		**2.8**		**3.0**		NA		NA		NA		**4.8**		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**11.6**		**11.8**		**10.3**		**10.2**		**10.3**		NA		NA		NA		**13.4**		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**86**		**82**		**72**		**58**		**77**		NA		NA		NA		**78**		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**86**		**82**		**72**		**58**		**77**		NA		NA		NA		**78**		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		NT		**130**		**100**		**120**	J2	110		97		98		**120**		**160**		**120**		**110**		**100**	
81	74	Chloride (mg/L) (EPA 325.2)	1.0	U	**5.6**	J	**1.8**		**1.4**		**1.5**		2.5		1.0	U	1.5		**1.5**		**2.4**		**1.4**		**1.9**		**1.9**	
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.75**	J	0.010	U	**1.3**		**0.40**		**0.044**	J2	NA		NA		NA		**1.0**		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	**0.022**	J	0.010	U	0.010	U	**0.010**	J2	NA		NA		NA		**0.034**		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.75**	J	**0.016**	J	**1.3**		**0.40**		**0.054**	J2	NA		NA		NA		**1.0**		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	**11**	J	**4.0**	J	**10**		**5.7**		**6.7**		NA		NA		NA		**9.5**		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ
1									
2									
3		LW5S		LW5S		LW5S		LW5S	
4		BR64F		CT37E		ED16F		FF88C	
5		5/24/00		2/12/01		2/25/02		2/13/03	
63	**PRIORITY POLLUTANT**								
64	**METALS (mg/L)**								
65	Arsenic (7060)	**0.003**		**0.002**		**0.003**		**0.003**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U
67	Copper (6010)	0.002	U	0.002	U	0.002	U	**0.013**	
68	Lead (7421)	0.001	U	0.001	U	0.001	U	0.001	U
69	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U
70	Zinc (6010)	0.006	U	0.006	U	0.006	U	**0.013**	
71									
72	**MAJOR IONS AND CONVENTIONALS**								
73	Calcium (mg/L) (6010)	NA		**16.3**		**22.4**		**20.5**	
74	Magnesium (mg/L) (6010)	NA		**4.44**		**6.49**		**5.99**	
75	Potassium (mg/L) (6010)	NA		**2.6**		**3.4**		**3**	
76	Sodium (mg/L) (6010)	NA		**9.64**		**11.4**		**10.1**	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		**81**		**100**		**88**	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		1.0	U	1.0	U	1	U
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		**81**		**100**		**88**	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**97**		**140**		**150**		**140**	
81	Chloride (mg/L) (EPA 325.2)	**1.6**		**6.3**		**1.1**		**2.1**	
82	N-Nitrate (mg-N/L) (Calculated)	NA		**1.2**		**1.6**		**0.73**	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		0.010	U	0.010	U	0.01	U
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		**1.2**	J	**1.6**		**0.73**	
85	Sulfate (mg/L) (EPA 375.2)	NA		**9.1**		**9.0**		**10**	
86									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2					Dup of LW5S																							
3			LW5S		LW5D		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S	
4			S167E		S167F		T160A		U235G		V232G		W391C		Y336E		Z225G		Z960J		AH49F		AU22E		BC27C		BH96C	
5			3/31/97		3/31/97		7/14/97		10/22/97		1/30/98		5/19/98		8/18/98		11/13/98		2/18/99		5/18/99		9/20/99		12/7/99		2/17/00	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.56		6.56		6.58		6.74		6.86		6.24		6.33		6.19		6.65		5.79		6.43		6.33		6.49	
89	82	Temperature (° C) (avg)	11.7		11.7		14.3		14.7		13.8		13.0		16.0		13.3		14.2		12.8		17.2		13.1		11.8	
90	83	Conductivity (um/hos)	175		175		197		125		175		177		171		80		169		200		146		133		149	
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		3.37		1.83		1.86		5.67		2.40		2.38		2.85		2.51	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ
1									
2									
3		LW5S		LW5S		LW5S		LW5S	
4		BR64F		CT37E		ED16F		FF88C	
5		5/24/00		2/12/01		2/25/02		2/13/03	
87	**FIELD PARAMETERS**								
88	pH (avg)	6.42		6.17		5.91		6.79	
89	Temperature (° C) (avg)	14.6		13.7		12.4		13.3	
90	Conductivity (um/hos)	144		148		221		208	
91	Dissolved oxygen (mg/L) (avg)	2.85		2.08		5.42		0	
92									
93	**DIOXINS AND FURANS (ng/L)**								
94	**Method 8290**								
95	2,3,7,8-TCDF	NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA	
120									
121	**ETHANOL (mg/L)**	NA		NA		NA		NA	
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2					Dup of LW5S																							
3			LW5S		LW5D		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S		LW5S	
4			S167E		S167F		T160A		U235G		V232G		W391C		Y336E		Z225G		Z960J		AH49F		AU22E		BC27C		BH96C	
5			3/31/97		3/31/97		7/14/97		10/22/97		1/30/98		5/19/98		8/18/98		11/13/98		2/18/99		5/18/99		9/20/99		12/7/99		2/17/00	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ
1									
2									
3		LW5S		LW5S		LW5S		LW5S	
4		BR64F		CT37E		ED16F		FF88C	
5		5/24/00		2/12/01		2/25/02		2/13/03	
123	**PAHs (µg/L)**								
124	**EPA Method SW8270 SIM**								
125	Naphthalene	NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2							Dup of LW7S																					
3			LW7S		LW7S		LW7D		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4			S167M		T176S		T176T		U235W		V208D		W371I		Y314G		Z225R		Z960N		AH27E		AU22F		BB82A		BH75E	
5			4/1/97		7/16/97		7/16/97		10/23/97		1/28/98		5/18/98		8/17/98		11/12/98		2/17/99		5/17/99		9/20/99		12/6/99		2/15/00	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
24	18	Naphthalene	**23**		**43**		**42**		**13**		**13**		**19**	J2	**10**		**6.5**		**4.0**		**17**		**19**		**7.8**		**1.6**	
25	19	2-Methylnaphthalene	**6.9**		**16**		**15**		**7.4**		**4.1**		**5.9**	J2	**4.6**		**3.4**		**1.2**		**4.7**		**11**		**7.4**		1.0	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	**3.6**	J2	2.7	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	20	U	10	U	5.0	U	57	U	5.0	U	5.0	U	**23**		13	U	**29**		5.0	U	5.0	U	5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	32	2-Butanone	**8.8**		**9.0**	J2	**12**	J2	5.0	U	**5.8**		**8.9**		**8.1**		**11**		**10**		**20**		5.0	U	5.0	U	5.0	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
42	36	Ethylbenzene	**160**		**140**		**160**		**86**		**71**		**62**		**69**		**36**		**14**		**56**		**80**		**40**		**5.6**	
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	38	m,p-Xylene	**110**		**100**		**120**		**37**		**43**		**30**		**33**		**21**		**8.4**		**22**		**28**		**17**		**2.8**	
45	39	o-Xylene	**4.2**		**3.9**		**4.4**		**1.3**		**1.3**		**1.6**		**1.6**		**1.1**		1.0	U	**1.0**		**1.6**		1.0	U	1.0	U
46	40	1,3,5-Trimethylbenzene	**15**		**24**		**25**		**21**		**6.4**		**9.1**		**5.9**		**8.0**		**2.0**		**8.3**		**4.4**		**2.4**		**2.3**	
47	41	1,2,4-Trimethylbenzene	**81**		**86**		**100**		**30**	J2	**15**		**9.9**		**7.0**		**2.9**		**3.7**		**17**		**6.3**		**2.5**		1.1	U
48	42	Isopropylbenzene	**22**		**45**		**42**		**60**	J2	**20**		**29**		**33**		**38**		**7.9**		**27**		**36**		**29**		**8.1**	
49	43	n-Propylbenzene	**31**		**64**		60		**78**		**34**		**43**		**46**		**59**		**13**		**42**		**48**		**41**		**15**	
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
51	45	sec-Butylbenzene	**2.4**		**4.9**		**4.6**		**5.7**	J2	**3.6**		**3.6**		**4.1**	J2	**4.5**		**1.8**		**3.1**		**4.0**		**3.4**		**1.7**	
52	46	4-Isopropyltoluene	**2.5**		**4.2**		**4.2**		**3.4**	J2	**1.6**		**2.3**		**2.4**		**2.1**		1.0	U	**2.0**		**2.2**		**1.4**		1.0	U
53	47	n-Butylbenzene	**3.6**		**7.4**		**7.4**		**6.4**	J2	5.0		**4.4**		**5.2**		**5.3**		**2.5**		**3.4**		**5.2**		**4.3**	M	2.4	U
54	48	Naphthalene	**64**		**66**	J2	**87**	J2	**35**	J2	**37**		**28**		**32**		**22**		**9.1**		**29**		**41**		**9.6**		5.0	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	**0.48**		**0.54**		**0.48**		**0.56**		0.25	U	**0.40**		**0.28**		0.25	U	0.25	U	**0.27**		**0.54**		**0.40**		0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4		BR55H		CB49A		CK77C		CT37A		DE68A		DM52J		DW29A		ED16G		EM75E		ER92A		EZ03M		FF88E		FL41B		FU45A	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
7	**CHLORINATED PHENOLS (µg/L)**																												
8	**EPA Method SW8040**																												
9	Pentachlorophenol	0.25	UJ	0.25	U	0.25	U	0.25	UJ	0.25	U	0.25	U	**0.25**		0.25	U	0.25	U	0.28	U	0.25	U	0.26	U	0.25	U	0.50	UJ
10	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																													
17	**SEMIVOLATILES (µg/L)**																												
18	**EPA Method SW8270**																												
19	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.2	U	2.3	U	2	U	2	U	2	U
20	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.1	U	1	U	1	U	1	U
21	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.1	U	1	U	1	U	1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.3	U	3.4	U	3.1	U	3	U	3.1	U
23	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	30	U	50	U	50	U	56	U	57	U	51	U	50	U	51	U
24	Naphthalene	**5.7**		**12**		**5.2**		**3.7**		2.0		**1.8**		**1.3**		1.0	U	**9.0**		**5.2**		**1.8**		**2.1**		**1.2**		**4.4**	
25	2-Methylnaphthalene	**1.2**		**3.7**		**1.6**		**1.4**		1.0	U	1.0	U	1.0	U	1.0	U	**3.0**		**2**		1.1	U	1	U	1	U	**1.3**	
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5.7	U	5.1	U	5	U	5.1	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5.7	U	5.1	U	5	U	5.1	U
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.1	U	1	U	1	U	1	U
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.1	U	1	U	1	U	1	U
30	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.1	U	1	U	1	U	1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.6	U	5.7	U	5.1	U	5	U	5.1	U
32	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**4.3**		4.0	U	4.0	U	4.4	U	4.5	U	1	U	1	U	1	U
33																													
34	**VOLATILES (µg/L)**																												
35	**EPA Method SW8260**																												
36	Acetone	5.0	U	56	U	110	U	83	U	5.0	U	5.0	U	5.0	U	21	U	5.0	U	48	U	86	U	20	U	**36**	M	5	U
37	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
38	2-Butanone	5.0	U	9.3	U	5.0	U	**8.2**		5.0	U	**7.7**		5.0	U	5.0	U	**13**		6.6	U	**21**	M	**9.3**	M	**7.6**	M	**18**	M
39	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
40	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
41	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
42	Ethylbenzene	**19**		**40**		**23**		**15**		**4.6**		**18**		**17**		**8.6**		**31**		**42**		**24**		**8.3**		**10**	J	**42**	
43	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
44	m,p-Xylene	**8.8**		**15**		**19**		**9.1**		**5.4**		**10**		**13**		**3.7**		**15**		**18**		**12**		**6.3**		**5**	J	**20**	J
45	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
46	1,3,5-Trimethylbenzene	**2.1**		**3.0**		**2.8**		**1.5**		1.0	U	**1.6**		**1.4**		1.0	U	**20**		**4**		**1.4**		**1**		1	U	**3.4**	
47	1,2,4-Trimethylbenzene	**4.6**		**3.0**		**1.6**		**1.2**		1.0	U	**2.3**		1.0	U	**1.1**		**6.9**		**4.9**		**1.2**		**2.1**		**1.1**	J	**3.2**	J
48	Isopropylbenzene	**11**		**18**		**22**		**16**		**1.3**		**21**		**20**		**6.1**		**20**		**26**		**26**		**14**		**8.7**	J	**31**	
49	n-Propylbenzene	**18**		**28**		**33**		**25**		**1.3**		**27**		**27**		**11**		**30**		**40**		**36**		**23**		**14**	J	**40**	
50	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	1	U	1	U
51	sec-Butylbenzene	**1.4**		**2.3**		**2.6**		**2.3**		1.0	U	**2.2**		**2.3**		1.0	U	**2.6**		**3.3**		**3**		**2.2**		**1.5**	J	**2.9**	
52	4-Isopropyltoluene	**1.5**		**1.1**		**1.2**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**1.6**		**2.2**		**1.1**		1	U	1	U	**1.2**	
53	n-Butylbenzene	1.5	U	**2.8**		**3.2**		**2.6**		1.0	U	**2.8**	M	3.1	U	**1.0**		2.6	U	3.7	U	**3.2**	M	**2.5**	M	**1.8**	J	**3**	
54	Naphthalene	**12**		**18**		**13**		**5.7**		5.0	U	**7.0**		5.0	U	5.0	U	**14**		**12**		**5.4**		5	U	5	U	**6.6**	
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																													
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																												
58	**Method OR-DEQ**																												
59	**TPH-Diesel**	0.25	U	**0.32**		**0.32**		**0.32**		**20**		**0.26**		**0.42**		0.25	U	**0.31**		**0.53**		**0.5**		**0.31**		0.25	U	**0.54**	
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.5	U	NA		NA		NA		NA	
61	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																
2																
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S
4		FY64F		0402099-03		0406059-05		0408019-01		0411051-10		0502102-07		P5F0223-01		P5H0734-04
5		10/20/03		2/19/04		6/9/04		8/03/04		11/9/04		2/23/05		6/6/05		08/17/05
6																
7	**CHLORINATED PHENOLS (µg/L)**															
8	**EPA Method SW8040**															
9	Pentachlorophenol	0.5	U	0.486	U	0.499	U	0.5	U	0.488	U	0.499	U	0.481	U	0.490 U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16																
17	**SEMIVOLATILES (µg/L)**															
18	**EPA Method SW8270**															
19	Phenol	2	U	1.95	U	2.02	U	1.99	U	2	U	1.9	U	5.00	U	5.00 U
20	4-Methylphenol	1	U	9.75	U	10.1	U	9.96	U	10	U	9.51	U	5.00	U	5.00 U
21	Isophorone	1	U	0.975	U	1.01	U	0.996	U	1	U	0.951	U	5.00	U	5.00 U
22	2,4-Dimethylphenol	3	U	2.92	U	3.02	U	2.99	U	3.01	U	2.85	U	10.00	U	10.0 U
23	Benzoic Acid	10	U	19.5	U	20.2	U	19.9	U	20	U	19	U	50.0	U	50.0 U
24	Naphthalene	**4.4**		0.975	U	**5.13**		**4.43**		1	U	0.951	U	5.00	U	5.00 U
25	2-Methylnaphthalene	**1.9**		0.975	U	1.01	U	**1.66**		1	U	0.951	U	5.00	U	5.00 U
26	2,4,6-Trichlorophenol	5	U	4.87	U	5.04	U	4.98	U	5.01	U	4.75	U	5.00	U	5.00 U
27	2,4,5-Trichlorophenol	5	U	4.87	U	5.04	U	4.98	U	5.01	U	4.75	U	5.00	U	5.00 U
28	Acenaphthene	1	U	0.975	U	1.01	U	0.996	U	1	U	0.951	U	5.00	U	5.00 U
29	Dibenzofuran	1	U	0.975	U	1.01	U	0.996	U	1	U	0.951	U	5.00	U	5.00 U
30	Fluorene	1	U	0.975	U	1.01	U	0.996	U	1	U	0.951	U	5.00	U	5.00 U
31	Pentachlorophenol	5	U	4.87	U	5.04	U	4.98	U	5.01	U	4.75	U	10	U	10.0 U
32	bis(2-Ethylhexyl)phthalate	1	U	0.975	U	1.01	U	0.996	U	1	U	0.951	U	10.00	U	10.0 U
33																
34	**VOLATILES (µg/L)**															
35	**EPA Method SW8260**															
36	Acetone	5	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	Carbon Disulfide	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	2-Butanone	**17**	M	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	Benzene	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	Ethylbenzene	**29**		**7.76**		**50.8**		**78.8**		**13.8**		**5.14**		**2.76**		**11.9**
43	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	m,p-Xylene	**16**		2	U	**21.6**		**33.2**		**15.3**		**4.85**		2.00	U	**3.99**
45	o-Xylene	1	U	1	U	1	U	**1.02**		**1.87**		1	U	1.00	U	1.00 U
46	1,3,5-Trimethylbenzene	**3.3**		1	U	**4.24**		**4.78**		**1.63**		1	U	1.00	U	1.00 U
47	1,2,4-Trimethylbenzene	**2.2**		1	U	**3.34**		**3.58**		1	U	1	U	1.00	U	1.00 U
48	Isopropylbenzene	**42**		**13.6**		**24.9**		**54.7**		**34.4**		**11.4**		**4.88**		**10.3**
49	n-Propylbenzene	**54**		**27.5**		**41.8**		**62.9**		**50**		**23.7**		**7.60**		**12.5**
50	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	sec-Butylbenzene	**3.7**		**2.18**		**2.15**		**4.13**		**2.8**		**2.32**		1.00	U	**1.72**
52	4-Isopropyltoluene	**1.6**		1	U	1	U	**1.81**		**1.32**		**1.84**		2.00	U	2.00 U
53	n-Butylbenzene	**4.3**		**2.67**		**2.16**		**3.74**		**3.79**		**7.48**		5.00	U	5.00 U
54	Naphthalene	**5.5**		1	U	**11.3**		**10.1**		1	U	**4.9**		2.00	U	**3.34**
55	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56																
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	**Method OR-DEQ**															
59	**TPH-Diesel**	**0.6**		**0.333**		**0.651**		**0.516**		**0.413**		0.248	U	0.25	U	0.250 U
60	**TPH-D Motor Oil**	0.5	U	0.476	U	**0.567**		0.501	U	0.497	U	0.495	U	0.5	U	0.500 U
61	**TPH-Gasoline**	**2.1**		**1.2**		**0.38**		**1.73**		**1.63**		**1.26**		**0.416**		**0.752**
62																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2							Dup of LW7S																					
3			LW7S		LW7S		LW7D		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4			S167M		T176S		T176T		U235W		V208D		W371I		Y314G		Z225R		Z960N		AH27E		AU22F		BB82A		BH75E	
5			4/1/97		7/16/97		7/16/97		10/23/97		1/28/98		5/18/98		8/17/98		11/12/98		2/17/99		5/17/99		9/20/99		12/6/99		2/15/00	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	**0.014**		**0.017**		**0.017**		0.05	U	0.05	U	**0.015**		**0.015**		**0.017**		**0.016**		**0.010**		**0.018**		**0.016**		**0.017**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
67	60	Copper (6010)	**0.004**		**0.002**		**0.002**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
68	61	Lead (7421)	**0.003**		**0.005**		**0.005**		0.02	U	0.02	U	0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	63	Zinc (6010)	**0.015**		**0.005**		**0.005**		0.004	U	**0.004**		**0.007**	J2	**0.008**		0.004	U	**0.007**	J	0.006	U	**0.004**		**0.007**		0.006	U
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**24.9**		**27.9**		**26.9**		**31.4**		**30.6**		NA		NA		NA		**29.8**		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**9.15**		**10.2**		**9.94**		**11.6**		**11.0**		NA		NA		NA		**10.8**		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**2.7**		**3.0**		**2.9**		**2.9**		**2.5**		NA		NA		NA		**2.9**		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**8.93**		**9.78**		**9.84**		**9.53**		**9.52**		NA		NA		NA		**9.86**		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**120**		**93**	**J2**	**130**	**J2**	**160**		**150**		NA		NA		NA		**140**		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**120**		**93**	J2	**130**	J2	**160**		**150**		NA		NA		NA		**140**		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**180**	J2	**150**	J2	**170**		**180**		130		130		140		**190**		**200**		**180**		**190**		**190**	
81	74	Chloride (mg/L) (EPA 325.2)	**3.6**	J	**3.5**		**3.6**		**3.0**		**2.4**		2.8		1.0	U	1.9		**3.0**		**3.0**		**2.6**		**5.0**		**3.6**	
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.23**	J	0.010	U	0.010	U	**0.023**		**0.010**		NA		NA		NA		**0.24**		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	**0.015**	J	**0.021**	J2	**0.048**	J2	0.010	U	0.010	U	NA		NA		NA		**0.017**		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.25**	J	**0.016**	J2	**0.027**	J2	**0.023**		**0.010**		NA		NA		NA		**0.26**		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	**4.3**	J	**2.8**		**2.7**		2.5	U	2.5	U	NA		NA		NA		**7.7**		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4		BR55H		CB49A		CK77C		CT37A		DE68A		DM52J		DW29A		ED16G		EM75E		ER92A		EZ03M		FF88E		FL41B		FU45A	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
63	**PRIORITY POLLUTANT**																												
64	**METALS (mg/L)**																												
65	Arsenic (7060)	**0.016**		**0.015**		**0.015**		**0.016**		**0.016**		**0.019**		**0.017**		**0.017**		**0.017**		**0.015**		0.05	U	**0.017**		**0.015**		**0.013**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.016**		0.005	U
67	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.008**		**0.014**		**0.002**	
68	Lead (7421)	**0.001**		0.001	U	**0.002**		0.001	U	**0.001**		0.001	U	0.001	U	0.001	U	**0.002**		**0.002**		0.02	U	**0.005**		**0.006**		**0.001**	
69	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.01**		**0.03**		0.01	U
70	Zinc (6010)	0.006	U	0.006	U	**0.024**		0.006	U	**0.009**		0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	**0.037**		**0.108**	J	0.006	U
71																													
72	**MAJOR IONS AND CONVENTIONALS**																												
73	Calcium (mg/L) (6010)	NA		NA		NA		**29.4**		**37.4**		**41.0**		**36.2**		**35.4**		NA		NA		NA		**47.7**		NA		NA	
74	Magnesium (mg/L) (6010)	NA		NA		NA		**10.5**		**13.4**		**15.3**		**13.0**		**13.3**		NA		NA		NA		**18.9**		NA		NA	
75	Potassium (mg/L) (6010)	NA		NA		NA		**2.5**		**3.1**		**3.2**		**3.4**		**3.5**		NA		NA		NA		**4.1**		NA		NA	
76	Sodium (mg/L) (6010)	NA		NA		NA		**13.0**		**15.6**		**18.8**		**18.8**		**19.4**		NA		NA		NA		**17.6**		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		**160**		NA		NA		NA		**180**		NA		NA		NA		**220**		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		1.0	U	NA		NA		NA		1.0	U	NA		NA		NA		1	U	NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		**160**		NA		NA		NA		**180**		NA		NA		NA		**220**		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**160**		**190**		**210**		**200**		**250**		**250**		**230**		**230**		**260**		**290**		**250**		**240**		**230**		**220**	
81	Chloride (mg/L) (EPA 325.2)	**3.5**		**2.9**		**4.1**		**2.8**		**3.3**		**5.3**		**2.6**		**3.6**		**3.5**		**7.4**		**4.7**		**5.1**		**2.1**		**2.5**	
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		0.010	U	NA		NA		NA		0.010	U	NA		NA		NA		**0.053**		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		0.010	U	NA		NA		NA		0.010	U	NA		NA		NA		**0.013**		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		0.010	UJ	NA		NA		NA		0.010	U	NA		NA		NA		**0.066**		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		**3.0**		NA		NA		NA		**7.9**		NA		NA		NA		2.5	U	NA		NA	
86																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																
2																
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S
4		FY64F		0402099-03		0406059-05		0408019-01		0411051-10		0502102-07		P5F0223-01		P5H0734-04
5		10/20/03		2/19/04		6/9/04		8/03/04		11/9/04		2/23/05		6/6/05		08/17/05
63	**PRIORITY POLLUTANT**															
64	**METALS (mg/L)**															
65	Arsenic (7060)	**0.012**		**0.013**		**0.015**		**0.0143**		**0.0136**		**0.0148**		**0.0169**		**0.0147**
66	Chromium (6010)	0.005	U	0.005	U	**0.0148**		**0.0146**		**0.0186**		**0.0091**		0.001	U	0.001 U
67	Copper (6010)	**0.003**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	Lead (7421)	0.001	U	**0.0005**		0.0001	U	**0.000792**		**0.00073**		**0.000786**		0.001	U	0.001 U
69	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.002	U	0.001 U
70	Zinc (6010)	0.006	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71																
72	**MAJOR IONS AND CONVENTIONALS**															
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**220**		**203**		**259**		**265**		**225**		**150**		**225**		**225**
81	Chloride (mg/L) (EPA 325.2)	**2.9**		**5.73**		**3.53**		**3.43**		**3.2**		**3.24**		**2.51**		**2.15**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2							Dup of LW7S																					
3			LW7S		LW7S		LW7D		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4			S167M		T176S		T176T		U235W		V208D		W371I		Y314G		Z225R		Z960N		AH27E		AU22F		BB82A		BH75E	
5			4/1/97		7/16/97		7/16/97		10/23/97		1/28/98		5/18/98		8/17/98		11/12/98		2/17/99		5/17/99		9/20/99		12/6/99		2/15/00	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.76		6.73		6.74		6.91		6.79		6.35		6.51		6.35		6.84		5.72		6.22		6.13		6.73	
89	82	Temperature (° C) (avg)	13.7		16.2		16.0		15.4		15.2		14.4		16.6		14.1		13.7		14.5		16.3		13.6		15.5	
90	83	Conductivity (um/hos)	278		299		303		310		323		315		308		121		309		293		267		297		296	
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		NA		1.35		1.39		2.13		2.09		1.91		2.84		1.20	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4		BR55H		CB49A		CK77C		CT37A		DE68A		DM52J		DW29A		ED16G		EM75E		ER92A		EZ03M		FF88E		FL41B		FU45A	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
87	**FIELD PARAMETERS**																												
88	pH (avg)	6.52		6.36		5.18		6.46		6.70		6.93		6.60		6.21		6.56		6.66		6.6		6.99		7.1		6.8	
89	Temperature (° C) (avg)	14.5		15.5		14.9		14.2		14.1		15.2		15.1		14.1		15.1		15.5		15.6		14.7		14.4		15.7	
90	Conductivity (um/hos)	263		299		302		300		419		433		378		351		408		364		352		492		320		308	
91	Dissolved oxygen (mg/L) (avg)	0.87		1.66		2.02		2.78		1.37		1.06		3.24		4.55		5.27		1.46		0.41		0		5.9		2.76	
92																													
93	**DIOXINS AND FURANS (ng/L)**																												
94	**Method 8290**																												
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																													
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																
2																
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S
4		FY64F		0402099-03		0406059-05		0408019-01		0411051-10		0502102-07		P5F0223-01		P5H0734-04
5		10/20/03		2/19/04		6/9/04		8/03/04		11/9/04		2/23/05		6/6/05		08/17/05
87	**FIELD PARAMETERS**															
88	pH (avg)	6.77		5.97		5.13		7.68		6.51		6.79		7.13		6.80
89	Temperature (° C) (avg)	15.6		14.6		15.6		16.1		15.8		15.6		15.0		15.7
90	Conductivity (um/hos)	308		300		352		451		285		176		250		270
91	Dissolved oxygen (mg/L) (avg)	1.08		1.26		1.23		NM		1.68		0		2.33		NM
92																
93	**DIOXINS AND FURANS (ng/L)**															
94	**Method 8290**															
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2							Dup of LW7S																					
3			LW7S		LW7S		LW7D		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4			S167M		T176S		T176T		U235W		V208D		W371I		Y314G		Z225R		Z960N		AH27E		AU22F		BB82A		BH75E	
5			4/1/97		7/16/97		7/16/97		10/23/97		1/28/98		5/18/98		8/17/98		11/12/98		2/17/99		5/17/99		9/20/99		12/6/99		2/15/00	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		**4.0**		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		**1.3**		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
1																													
2																													
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S	
4		BR55H		CB49A		CK77C		CT37A		DE68A		DM52J		DW29A		ED16G		EM75E		ER92A		EZ03M		FF88E		FL41B		FU45A	
5		5/23/00		8/28/00		11/7/00		2/12/01		6/4/01		8/15/01		11/27/01		2/25/02		6/25/02		08/26/02		11/12/02		2/13/03		5/7/03		8/28/03	
123	**PAHs (µg/L)**																												
124	**EPA Method SW8270 SIM**																												
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS
1																
2																
3		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S		LW7S
4		FY64F		0402099-03		0406059-05		0408019-01		0411051-10		0502102-07		P5F0223-01		P5H0734-04
5		10/20/03		2/19/04		6/9/04		8/03/04		11/9/04		2/23/05		6/6/05		08/17/05
123	**PAHs (µg/L)**															
124	**EPA Method SW8270 SIM**															
125	Naphthalene	4.1		NA		**5.73**		**5.83**		**0.503**		**0.591**		0.216	U	**2.21**
126	2-Methylnaphthalene	1.6		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	0.1	U	NA		0.05	U	0.05	U	0.0493	U	0.0501	U	0.0481	U	0.0490 U
128	Acenaphthene	0.1	U	NA		0.05	U	**0.05**		0.0493	U	0.0501	U	0.0481	U	0.0490 U
129	Fluorene	0.1	U	NA		0.05	U	0.05	U	0.0493	U	0.0501	U	0.0481	U	0.0490 U
130	Anthracene	0.1	U	NA		0.05	U	0.05	U	0.0493	U	0.0501	U	0.0481	U	0.0490 U
131	Dibenzofuran	0.1	U	NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2													Dup of LW8S						Dup of LW8S						Dup of LW8S	
3			LW8S		LW8S		LW8S		LW8S		LW8S		Z		LW8S		LW8S		W		LW8S		LW8S		W	
4			AH27K		AU36D		BC30G		9912050-05A		BH96W		BH96V		BR64N		CB68F		CB68H		CL03A		CT67J		CT67I	
5			5/17/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00		2/16/00		5/25/00		8/30/00		8/30/00		11/9/00		2/15/01		2/15/01	
7	1	**CHLORINATED PHENOLS (µg/L)**																								
8	2	**EPA Method SW8040**																								
9	3	Pentachlorophenol	0.25	U	0.25	U	**1.2**		NA		**0.13**	J1,J2	**0.27**	J2	**0.51**		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		**0.14**	J1	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	**0.21**	J1	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA	
16	10																									
17	11	**SEMIVOLATILES (µg/L)**																								
18	12	**EPA Method SW8270**																								
19	13	Phenol	**2.7**		2.0	U	2.0	U	NA		**3.1**		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
20	14	4-Methylphenol	**32**		1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	NA		3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
24	18	Naphthalene	**99**		**74**		**120**		NA		**55**		**54**		**70**		**40**		**38**		**4.3**		**6.7**		**6.4**	
25	19	2-Methylnaphthalene	**76**		**58**		**72**		NA		**71**		**73**		**77**		**30**		**30**		**4.7**		**7.0**		**6.8**	
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	**6.9**		5.0	U	**5.8**		5.0	U	5.0	U	5.0	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	**6.8**		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
33	27																									
34	28	**VOLATILES (µg/L)**																								
35	29	**EPA Method SW8260**																								
36	30	Acetone	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	12	J2	5.0	U	5.0	U	5.0	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	32	2-Butanone	**11**		5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	**12**		5.0	U	5.0	U
39	33	Benzene	**110**		**55**		**49**		NA		**62**		**60**		**77**		**29**		**29**		**5.0**		**9.1**		**9.1**	
40	34	Bromoform	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
42	36	Ethylbenzene	**180**		**160**		**170**		NA		**110**		**98**		**140**		**130**		**120**		**8.5**		**22**		**23**	
43	37	Styrene	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	38	m,p-Xylene	**290**		**320**		**260**		NA		**160**		**130**		**180**		**200**		**200**		**2.2**		**4.7**		**5.0**	
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
46	40	1,3,5-Trimethylbenzene	**62**		**120**		**100**		NA		**57**	J2	**45**	J2	**52**		**81**		**81**		1.0	U	**4.1**		**5.0**	
47	41	1,2,4-Trimethylbenzene	**280**		**180**		**180**		NA		**140**		**120**		**130**		**130**		**120**		**2.6**		**6.4**		**7.1**	
48	42	Isopropylbenzene	**290**		**130**		**160**		NA		**190**		**180**		**250**		**120**		**120**		**100**		**100**		**130**	
49	43	n-Propylbenzene	**190**		**110**		**140**		NA		**150**		**150**		**170**		**100**		**98**		**56**		**83**		**100**	
50	44	tert-Butylbenzene	**5.7**		**5.6**		**6.6**		NA		**8.8**		**8.7**		**7.3**		**5.5**		**5.5**		**4.9**		**5.7**		**6.2**	
51	45	sec-Butylbenzene	**22**		**23**		**25**		NA		**30**		**29**		**28**		**20**		20		**11**		**14**		**15**	
52	46	4-Isopropyltoluene	**5.1**		**10**		**5.4**		NA		**4.2**		**3.4**		**3.9**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
53	47	n-Butylbenzene	**12**		**18**		16	U	NA		**15**		**14**		**15**		**14**		13		**4.1**		**6.8**		**7.1**	
54	48	Naphthalene	**150**		**120**		**160**		NA		**180**		**160**		**150**		**110**		**100**		**6.6**		**19**		**20**	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																									
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	51	**Method OR-DEQ**																								
59	52	**TPH-Diesel**	**1.9**		**2.1**		**2.0**		NA		**2.2**	J2	**3.2**	J2	**2.6**		**1.6**		**1.6**		**2.3**		**3.4**		**3.2**	
60	53	**TPH-D Motor Oil**	0.50	U	0.50	U	0.50	U	NA		0.50	UJ	**1.3**	J2	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
61	54	**TPH-Gasoline**	**9.8**		**9.4**		**10**		NA		**9.5**		**10**		**15**		**13**		**13**		**3.9**		**4.6**		**4.9**	
62	55																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1																											
2								Dup of LW8S								Dup of LW8S								Dup of LW8S			
3		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S	
4		DE68N		DM30J		ED23J		ED23K		EM85G		ER92E		EZ17G		EZ17A		FF65C		FL58B		FU45I		FU45H		FY64L	
5		6/4/01		8/14/01		2/26/02		2/26/02		6/26/02		08/26/02		11/13/02		11/13/02		2/11/03		5/8/03		8/28/03		8/28/03		10/21/03	
7	**CHLORINATED PHENOLS (µg/L)**																										
8	**EPA Method SW8040**																										
9	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.27	U	0.25	U	0.25	U	1.2	U	0.26	U	**2.1**	J	**6.3**	J	0.55	U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16																											
17	**SEMIVOLATILES (µg/L)**																										
18	**EPA Method SW8270**																										
19	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.2	U	2.3	U	2.3	U	2	U	2	UJ	2	U	2.1	U	2.2	U
20	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1.1	U	1	U	1	UJ	1	U	1.1	U	1.1	U
21	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1.1	U	1	U	1	UJ	1	U	1.1	U	1.1	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.3	U	3.5	U	3.4	U	3	U	3.1	UJ	3.1	U	3.2	U	3.3	U
23	Benzoic Acid	10	U	10	U	50	U	50	U	50	U	54	U	58	U	57	U	50	U	51	UJ	51	U	53	U	11	U
24	Naphthalene	**22**		**2.3**		**54**		**57**		**57**		**62**		**11**		**11**		**44**		**24**	J	**39**		**40**		**2.2**	
25	2-Methylnaphthalene	**14**		**2.6**		**69**		**74**		**51**		**44**		**22**		**25**		**47**		**49**	J	**31**		**34**		**3.1**	
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.4	U	5.8	U	5.7	U	5	U	5.1	UJ	5.1	U	5.3	U	5.5	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.4	U	5.8	U	5.7	U	5	U	5.1	UJ	5.1	U	5.3	U	5.5	U
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1.1	U	1	U	1	UJ	1	U	1.1	U	1.1	U
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1.1	U	1	U	1	UJ	1	U	1.1	U	1.1	U
30	Fluorene	1.0	U	1.0	U	**1.3**		**1.2**		1.0	U	1.1	U	1.2	U	1.1	U	1	U	1	UJ	2	U	1.6	U	1.1	U
31	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.4	U	5.8	U	5.7	U	5	U	5.1	UJ	5.1	U	5.3	U	5.5	U
32	bis(2-Ethylhexyl)phthalate	**1.5**		1.0	U	**5.0**		4.0	U	4.0	U	4.3	U	4.7	U	4.5	U	1	U	1	UJ	1	U	1.1	U	1.1	U
33																											
34	**VOLATILES (µg/L)**																										
35	**EPA Method SW8260**																										
36	Acetone	5.0	U	8.2	U	5.0	U	5.0	U	**14**	M	15	U	**7.2**		**7.4**	M	**7.7**		**21**	M	**16**	J	5	U	5	U
37	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	1	U	1	U
38	2-Butanone	5.0	U	5.3	U	5.0	U	5.0	U	5.9	U	15	U	5	U	5	U	5	U	15	U	15	U	5	U	5	U
39	Benzene	**9.0**		**2.0**		**30**		**30**		**91**	J	**35**		**2.5**		**2.4**		**15**		**31**		**19**		**23**		1	U
40	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	1	U	1	U
41	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	1	U	1	U
42	Ethylbenzene	**61**		**11**		**420**	J	**390**		**300**	J	**280**		**37**		**33**		**240**		**270**		**180**		**220**		**7.2**	
43	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	1	U	1	U
44	m,p-Xylene	**17**		1.0	U	**56**		**60**		**44**	J	**37**		**1**		1	U	**4.6**		**8.2**		**11**	J	**15**	J	1	U
45	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	1	U	1	U
46	1,3,5-Trimethylbenzene	**15**		**1.7**		**62**		**64**		**67**	J	**68**		**7.7**		**6.3**		**9.1**		**9.6**		**13**	J	**16**	J	1	U
47	1,2,4-Trimethylbenzene	**23**		**1.8**		**130**		**140**		**150**	J	**170**		**13**		**11**		**23**		**29**		**28**	J	**36**	J	1	U
48	Isopropylbenzene	**130**		**67**		**240**	J	**240**		**260**	J	**240**		**180**		**170**		**240**		**340**		**260**		**280**		**140**	
49	n-Propylbenzene	**110**		**40**		**210**	J	**210**		**250**	J	**220**		**160**		**150**		**200**		**260**		**230**		**260**		**94**	
50	tert-Butylbenzene	**6.0**		**4.7**		**10**		**10**		**12**	MJ	**8.4**		**7.6**		**7.1**		**9.4**		**12**		**9.1**		**10**		**7.4**	
51	sec-Butylbenzene	**16**		**8.7**		**31**		**32**		**40**	J	**24**		**24**		**23**		**29**		**33**		**28**		**32**		**19**	
52	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3	U	1	U	1	U	1	U	3	U	3	U	**2**		1	U
53	n-Butylbenzene	8.0	U	**3.2**	M	**18**		**18**		**20**	MJ	**16**	M	**14**	M	**13**	M	**13**	M	**14**		**14**		**16**		**9**	
54	Naphthalene	**35**		5.0	U	**180**		**100**		**140**		**150**		**19**		**17**		**76**		**51**		**83**		**120**		5	U
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																											
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	**Method OR-DEQ**																										
59	**TPH-Diesel**	**4.4**		**4.0**		**7.1**		**7.6**		**4.0**		**4.5**		**4.3**		**4.2**		**11**		**7.4**		**4.3**		**4.2**		**3.5**	
60	**TPH-D Motor Oil**	0.50	U	2.5	U	0.50	U	0.50	U	0.50	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
61	**TPH-Gasoline**	**4.7**		**3.9**		**12**	J	**12**		**11**		**10**		**7.8**		**8.6**		**9.8**		**9.5**	J	**7.4**		**7.5**		**4.6**	
62																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1																
2						Dup of LW8S										
3		LW8S		LW8S		X		LW8S		LW8S		LW8S		LW8S		LW8S
4		0402113-09		0406059-07		0406059-06		0408036-02		0411051-09		0502087-12		P5F0668-01		P5H0853-04
5		2/23/04		6/9/04		6/9/04		8/05/04		11/9/04		2/18/05		6/14/05		08/19/05
7	**CHLORINATED PHENOLS (µg/L)**															
8	**EPA Method SW8040**															
9	Pentachlorophenol	0.504	U	0.517	U	0.491	U	0.5	U	0.525	U	0.484	UJ	4.81	U	0.500 U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16																
17	**SEMIVOLATILES (µg/L)**															
18	**EPA Method SW8270**															
19	Phenol	2.06	U	2.08	U	1.99	U	2	U	2.01	U	1.95	U	5.00	U	5.00 U
20	4-Methylphenol	10.3	U	10.4	U	9.94	U	10	U	10.1	U	9.77	U	5.00	U	5.00 U
21	Isophorone	1.03	U	1.04	U	0.994	U	1	U	1.01	U	0.977	U	5.00	U	5.00 U
22	2,4-Dimethylphenol	3.1	U	3.12	U	2.98	U	3	U	3.02	U	2.93	U	10.00	U	10.0 U
23	Benzoic Acid	20.6	U	20.8	U	19.9	U	20	U	20.1	U	19.5	U	50.0	U	50.0 U
24	Naphthalene	**15.2**		**25.4**		**29.2**		**6.7**		1.01	U	**20.7**		**34.5**		**21.8**
25	2-Methylnaphthalene	**20.3**		**19.6**		**22.1**		**6.88**		1.01	U	**10.4**		11.0	U	**13.4**
26	2,4,6-Trichlorophenol	5.16	U	5.21	U	4.97	U	5	U	5.04	U	4.88	U	5.00	U	5.00 U
27	2,4,5-Trichlorophenol	5.16	U	5.21	U	4.97	U	5	U	5.04	U	4.88	U	5.00	U	5.00 U
28	Acenaphthene	1.03	U	1.04	U	0.994	U	1	U	1.01	U	0.977	U	5.00	U	5.00 U
29	Dibenzofuran	1.03	U	1.04	U	0.994	U	1	U	1.01	U	0.977	U	5.00	U	5.00 U
30	Fluorene	1.03	U	1.04	U	0.994	U	1	U	1.01	U	0.977	U	5.00	U	5.00 U
31	Pentachlorophenol	5.16	U	5.21	U	4.97	U	5	U	5.04	U	4.88	U	10	U	10.0 U
32	bis(2-Ethylhexyl)phthalate	1.03	U	1.04	U	0.994	U	1	U	1.01	U	0.977	U	10.00	U	10.0 U
33																
34	**VOLATILES (µg/L)**															
35	**EPA Method SW8260**															
36	Acetone	50	U	50	U	50	U	50	U	50	U	50	U	50.0	U	25.0 U
37	Carbon Disulfide	2	U	2	U	2	U	2	U	2	U	2	U	20.0	U	10.0 U
38	2-Butanone	10	U	10	U	10	U	10	U	**45.8**		10	U	20.0	U	10.0 U
39	Benzene	**5.11**		**9.45**		**9.52**		**1.86**		**0.59**		**2.86**		2.00	U	**1.70**
40	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	1.00 U
41	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	1.00 U
42	Ethylbenzene	**184**		**272**	J	**204**	J	**17.9**		**3.7**		**68.2**		**86**		**34.8**
43	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	1.00 U
44	m,p-Xylene	2	U	2	U	2	U	**2.31**		2	U	2	U	4.00	U	2.00 U
45	o-Xylene	1	U	1	U	1	U	**1.21**		1	U	1	U	2.00	U	1.00 U
46	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	1.00 U
47	1,2,4-Trimethylbenzene	1	U	1	U	1	U	**3.74**		1	U	1	U	2.00	U	1.00 U
48	Isopropylbenzene	**239**		**244**		**215**		**232**		**52.4**		**225**		**158**		**197**
49	n-Propylbenzene	**205**		**275**		**228**		**183**		**93.2**		**259**		**120**		**179**
50	tert-Butylbenzene	**6.52**		**8.3**		**8.1**		**8.83**		**6.74**		**12.2**		**6.4**		**9.11**
51	sec-Butylbenzene	**23.1**		**29.8**		**29.5**		**25.6**		**18.5**		**36.5**		**14.1**		**23.9**
52	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	4.00	U	2.00 U
53	n-Butylbenzene	**8.07**		**10.2**		**9.5**		**10.1**		**7.05**		**16.2**		10.00	U	**8.56**
54	Naphthalene	**24.5**		**51.7**		**46.6**		**16.7**		1	U	**54.2**		**26.5**		**28.2**
55	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	1.00 U
56																
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	**Method OR-DEQ**															
59	**TPH-Diesel**	**11.7**		**8.52**		**8.36**		**5.15**		**4.11**		**7.97**		**1.35**		**1.18**
60	**TPH-D Motor Oil**	0.504	U	0.496	U	0.506	U	0.488	U	0.484	U	0.482	U	0.5	U	0.500 U
61	**TPH-Gasoline**	**9.2**		**8.62**		**8.37**		**4.44**		**4.37**		**6.16**		**2.59**		**1.88 J**
62																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2													Dup of LW8S						Dup of LW8S						Dup of LW8S	
3			LW8S		LW8S		LW8S		LW8S		LW8S		Z		LW8S		LW8S		W		LW8S		LW8S		W	
4			AH27K		AU36D		BC30G		9912050-05A		BH96W		BH96V		BR64N		CB68F		CB68H		CL03A		CT67J		CT67I	
5			5/17/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00		2/16/00		5/25/00		8/30/00		8/30/00		11/9/00		2/15/01		2/15/01	
63	56	**PRIORITY POLLUTANT**																								
64	57	**METALS (mg/L)**																								
65	58	Arsenic (7060)	**0.022**		**0.025**		**0.025**		NA		**0.027**		**0.027**		**0.023**		**0.022**		**0.023**		**0.022**		**0.022**		**0.022**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
67	60	Copper (6010)	0.002	U	0.002	U	0.002	U	NA		0.002	U	0.002	U	**0.003**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
68	61	Lead (7421)	0.001	U	0.001	U	0.001	U	NA		**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	**0.005**		0.001	U	0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	NA		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	63	Zinc (6010)	0.008	U	**0.008**		**0.006**		NA		0.006	U	0.006	U	**0.007**		0.006	U	**0.007**		**0.041**		0.006	U	0.006	U
71	64																									
72	65	**MAJOR IONS AND CONVENTIONALS**																								
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**25.5**		**25.6**	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**6.81**		**6.85**	
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**2.6**		**2.5**	
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**7.52**		**7.55**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**170**		**160**	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1.0	U	1.0	U
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**170**		**160**	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**220**		**200**		**210**		NA		**190**		**210**		**180**		**210**		**210**		**190**		**220**		**210**	
81	74	Chloride (mg/L) (EPA 325.2)	**5.4**		**4.1**		**4.6**		NA		**4.1**		**3.4**		**3.7**		**2.2**		**2.3**		**4.2**		**3.4**	J2	**4.9**	J
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.010	U	0.010	U
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.051**	J2	**0.035**	J
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.041**		**0.035**	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**2.8**		2.5	U
86	79																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1																											
2								Dup of LW8S								Dup of LW8S								Dup of LW8S			
3		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S	
4		DE68N		DM30J		ED23J		ED23K		EM85G		ER92E		EZ17G		EZ17A		FF65C		FL58B		FU45I		FU45H		FY64L	
5		6/4/01		8/14/01		2/26/02		2/26/02		6/26/02		08/26/02		11/13/02		11/13/02		2/11/03		5/8/03		8/28/03		8/28/03		10/21/03	
63	**PRIORITY POLLUTANT**																										
64	**METALS (mg/L)**																										
65	Arsenic (7060)	**0.024**		**0.028**		**0.027**		**0.030**		**0.025**		**0.028**		0.05	U	0.05	U	**0.024**		**0.026**		**0.021**		**0.024**		**0.021**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.017**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.007**	
67	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.029**		0.002	U	0.002	U	**0.004**		0.002	U	0.002	U	**0.002**		**0.007**	
68	Lead (7421)	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.006**		0.02	U	0.02	U	**0.002**		0.001	U	0.001	U	0.001	U	**0.002**	
69	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.04**		0.01	U	0.01	U	**0.01**		0.01	U	0.01	U	0.01	U	**0.02**	
70	Zinc (6010)	**0.007**		0.006	U	0.006	U	0.006	U	0.006	U	**0.096**		**0.009**		0.006	U	**0.013**		**0.582**		0.006	U	0.006	U	**0.027**	
71																											
72	**MAJOR IONS AND CONVENTIONALS**																										
73	Calcium (mg/L) (6010)	**31.1**		**27.5**		**41.6**		**38.6**		NA		NA		NA		NA		**33.8**		NA		NA		NA		NA	
74	Magnesium (mg/L) (6010)	**8.18**		**7.58**		**9.98**		**9.30**		NA		NA		NA		NA		**8.4**		NA		NA		NA		NA	
75	Potassium (mg/L) (6010)	**2.8**		**2.8**		**4.2**		**4.0**		NA		NA		NA		NA		**3.4**		NA		NA		NA		NA	
76	Sodium (mg/L) (6010)	**8.47**		**7.86**		**9.95**		**9.31**		NA		NA		NA		NA		**7.8**		NA		NA		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		**220**		**230**		NA		NA		NA		NA		**190**		NA		NA		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		1.0	U	1.0	U	NA		NA		NA		NA		1	U	NA		NA		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		**220**		**230**		NA		NA		NA		NA		**190**		NA		NA		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**250**		**200**		**300**		**290**		**240**		**220**		**200**		**200**		**280**		**260**		**250**		**250**		**260**	
81	Chloride (mg/L) (EPA 325.2)	**2.8**		**5.3**		**4.2**		**3.6**		**4.4**		**2.7**		**2.9**		**2.9**		**3.7**		**2.3**		**2.3**		**2.2**		**4.8**	
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		0.010	U	**0.012**		NA		NA		NA		NA		0.01	U	NA		NA		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		**0.059**		**0.054**		NA		NA		NA		NA		**0.072**		NA		NA		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		**0.044**	J	**0.066**	J	NA		NA		NA		NA		**0.062**		NA		NA		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		2.5	U	**3.2**		NA		NA		NA		NA		**3.8**		NA		NA		NA		NA	
86																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1																
2						Dup of LW8S										
3		LW8S		LW8S		X		LW8S		LW8S		LW8S		LW8S		LW8S
4		0402113-09		0406059-07		0406059-06		0408036-02		0411051-09		0502087-12		P5F0668-01		P5H0853-04
5		2/23/04		6/9/04		6/9/04		8/05/04		11/9/04		2/18/05		6/14/05		08/19/05
63	**PRIORITY POLLUTANT**															
64	**METALS (mg/L)**															
65	Arsenic (7060)	**0.025**		**0.023**		**0.023**		**0.0223**		**0.0239**		**0.0263**		**0.0302**		**0.0254**
66	Chromium (6010)	**0.0064**		**0.0144**		**0.0161**		0.005	U	0.005	U	0.005	U	0.001	U	0.001 U
67	Copper (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	Lead (7421)	**0.0001**		0.0001	U	0.0001	U	0.0001	U	0.00013	U	0.000157	U	0.001	U	0.001 U
69	Nickel (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0105**		**0.00756**
70	Zinc (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71																
72	**MAJOR IONS AND CONVENTIONALS**															
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**263**		**271**		**300**		**709**		**240**		**243**		**308**		**283**
81	Chloride (mg/L) (EPA 325.2)	**3.31**		**2.96**		**3.39**		**3.24**		**3.72**		**1.97**		**2.46**		**1.55**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2													Dup of LW8S						Dup of LW8S						Dup of LW8S	
3			LW8S		LW8S		LW8S		LW8S		LW8S		Z		LW8S		LW8S		W		LW8S		LW8S		W	
4			AH27K		AU36D		BC30G		9912050-05A		BH96W		BH96V		BR64N		CB68F		CB68H		CL03A		CT67J		CT67I	
5			5/17/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00		2/16/00		5/25/00		8/30/00		8/30/00		11/9/00		2/15/01		2/15/01	
87	80	**FIELD PARAMETERS**																								
88	81	pH (avg)	5.55		6.10		6.28		NM		6.57		6.56		6.44		4.89		4.89		5.74		6.26		6.28	
89	82	Temperature (° C) (avg)	14.0		17.2		13.0		NM		13.2		13.2		13.4		15.2		15.3		14.7		13.6		13.6	
90	83	Conductivity (um/hos)	357		303		328		NM		351		351		354		330		330		352		404		403	
91	84	Dissolved oxygen (mg/L) (avg)	2.14		2.13		2.06		NM		0.83		0.82		1.55		1.12		1.13		0.53		0.57		0.53	
92	85																									
93	86	**DIOXINS AND FURANS (ng/L)**																								
94	87	**Method 8290**																								
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																										
121		**ETHANOL (mg/L)**	NA		NA		NA		10	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1																											
2								Dup of LW8S								Dup of LW8S								Dup of LW8S			
3		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S	
4		DE68N		DM30J		ED23J		ED23K		EM85G		ER92E		EZ17G		EZ17A		FF65C		FL58B		FU45I		FU45H		FY64L	
5		6/4/01		8/14/01		2/26/02		2/26/02		6/26/02		08/26/02		11/13/02		11/13/02		2/11/03		5/8/03		8/28/03		8/28/03		10/21/03	
87	**FIELD PARAMETERS**																										
88	pH (avg)	6.49		6.61		6.37		6.37		6.23		6.42		6.17		6.16		6.74		6.58		6.64		6.65		6.57	
89	Temperature (° C) (avg)	14.4		15.0		13.6		13.6		15.3		16.1		14.7		14.6		15.2		12.9		16.5		16.5		19.0	
90	Conductivity (um/hos)	402		467		489		490		405		330		353		351		503		397		349		348		352	
91	Dissolved oxygen (mg/L) (avg)	1.58		1.85		6.71		6.75		3.92		0.87		1.82		1.94		1.29		3.35		1.61		1.57		1.03	
92																											
93	**DIOXINS AND FURANS (ng/L)**																										
94	**Method 8290**																										
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																											
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1																
2						Dup of LW8S										
3		LW8S		LW8S		X		LW8S		LW8S		LW8S		LW8S		LW8S
4		0402113-09		0406059-07		0406059-06		0408036-02		0411051-09		0502087-12		P5F0668-01		P5H0853-04
5		2/23/04		6/9/04		6/9/04		8/05/04		11/9/04		2/18/05		6/14/05		08/19/05
87	**FIELD PARAMETERS**															
88	pH (avg)	6.21		4.87		4.87		5.86		6.43		6.57		6.16		5.88
89	Temperature (° C) (avg)	14.1		14.7		14.7		16.5		15.7		14		15.3		15.8
90	Conductivity (um/hos)	402		368		368		523		343		188		262		454
91	Dissolved oxygen (mg/L) (avg)	1.26		0.74		0.74		1.71		1.79		1.26		0		NM
92																
93	**DIOXINS AND FURANS (ng/L)**															
94	**Method 8290**															
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2													Dup of LW8S						Dup of LW8S						Dup of LW8S	
3			LW8S		LW8S		LW8S		LW8S		LW8S		Z		LW8S		LW8S		W		LW8S		LW8S		W	
4			AH27K		AU36D		BC30G		9912050-05A		BH96W		BH96V		BR64N		CB68F		CB68H		CL03A		CT67J		CT67I	
5			5/17/99		9/21/99		12/8/99		12/8/1999 (d)		2/16/00		2/16/00		5/25/00		8/30/00		8/30/00		11/9/00		2/15/01		2/15/01	
123		**PAHs (µg/L)**																								
124		**EPA Method SW8270 SIM**																								
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1																											
2								Dup of LW8S								Dup of LW8S								Dup of LW8S			
3		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S		LW8S		LW8S		X		LW8S	
4		DE68N		DM30J		ED23J		ED23K		EM85G		ER92E		EZ17G		EZ17A		FF65C		FL58B		FU45I		FU45H		FY64L	
5		6/4/01		8/14/01		2/26/02		2/26/02		6/26/02		08/26/02		11/13/02		11/13/02		2/11/03		5/8/03		8/28/03		8/28/03		10/21/03	
123	**PAHs (µg/L)**																										
124	**EPA Method SW8270 SIM**																										
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1																
2						Dup of LW8S										
3		LW8S		LW8S		X		LW8S		LW8S		LW8S		LW8S		LW8S
4		0402113-09		0406059-07		0406059-06		0408036-02		0411051-09		0502087-12		P5F0668-01		P5H0853-04
5		2/23/04		6/9/04		6/9/04		8/05/04		11/9/04		2/18/05		6/14/05		08/19/05
123	**PAHs (µg/L)**															
124	**EPA Method SW8270 SIM**															
125	Naphthalene	NA		NA		NA		NA		NA		NA		**21.5**		NA
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		1	U	NA		NA		0.481	U	NA
128	Acenaphthene	NA		NA		NA		NA		NA		NA		0.481	U	NA
129	Fluorene	NA		NA		NA		NA		NA		NA		0.481	U	NA
130	Anthracene	NA		NA		NA		1	U	NA		NA		0.481	U	NA
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																								
3			LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S	
4			AH76O		BC30A		BH96G		BR64K		ED30B		EN00B		FF76B		FL41M		0402113-01		0406073-01		P5F0223-04	
5			5/19/99		12/8/99		2/17/00		5/25/00		2/27/02		6/27/02		2/12/03		5/7/03		2/23/04		6/10/04		6/6/05	
7	1	**CHLORINATED PHENOLS (µg/L)**																						
8	2	**EPA Method SW8040**																						
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.33**		0.493	U	0.478	U	0.500	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA	
16	10																							
17	11	**SEMIVOLATILES (µg/L)**																						
18	12	**EPA Method SW8270**																						
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2	U	2	U	1.98	U	NA		5.00	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	9.9	U	NA		5.00	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3	U	3	U	2.97	U	NA		10.00	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	50	U	50	U	50	U	50	U	19.8	U	NA		50.0	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	4.95	U	NA		5.00	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	4.95	U	NA		5.00	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.99	U	NA		5.00	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	4.95	U	NA		10	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	**22**		1.0	U	1.0	U	4.0	U	4.0	U	1	U	1	U	0.99	U	NA		10.00	U
33	27																							
34	28	**VOLATILES (µg/L)**																						
35	29	**EPA Method SW8260**																						
36	30	Acetone	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	50	U	NA		25.0	U
37	31	Carbon Disulfide	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	2	U	NA		10.00	U
38	32	2-Butanone	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	10	U	NA		10.00	U
39	33	Benzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	0.4	U	NA		1.00	U
40	34	Bromoform	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
41	35	Toluene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
42	36	Ethylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
43	37	Styrene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
44	38	m,p-Xylene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	2	U	NA		2.00	U
45	39	o-Xylene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
46	40	1,3,5-Trimethylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
47	41	1,2,4-Trimethylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
48	42	Isopropylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		2.00	U
49	43	n-Propylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
50	44	tert-Butylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
51	45	sec-Butylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		1.00	U
52	46	4-Isopropyltoluene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		2.00	U
53	47	n-Butylbenzene	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1	U	1	U	1	U	NA		5.00	U
54	48	Naphthalene	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5	U	5	U	1	U	NA		2.00	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA		1.00	U
56	49																							
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																						
58	51	**Method OR-DEQ**																						
59	52	**TPH-Diesel**	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.286	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		0.501	U	NA		0.571	U
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.08	U
62	55																							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																								
3			LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S	
4			AH76O		BC30A		BH96G		BR64K		ED30B		EN00B		FF76B		FL41M		0402113-01		0406073-01		P5F0223-04	
5			5/19/99		12/8/99		2/17/00		5/25/00		2/27/02		6/27/02		2/12/03		5/7/03		2/23/04		6/10/04		6/6/05	
63	56	**PRIORITY POLLUTANT**																						
64	57	**METALS (mg/L)**																						
65	58	Arsenic (7060)	0.001	U	NA		**0.004**		**0.001**		**0.002**		**0.001**		0.001	U	0.001	U	0.001	U	NA		0.001	U
66	59	Chromium (6010)	0.005	U	NA		0.005	U	0.005	U	0.005	U	**0.007**		0.005	U	0.005	U	0.005	U	NA		0.001	U
67	60	Copper (6010)	0.002	U	NA		**0.004**		0.002	U	0.002	U	**0.012**		**0.003**		0.002	U	0.01	U	NA		**0.00348**	
68	61	Lead (7421)	0.001	U	NA		**0.003**		**0.001**		**0.001**		**0.001**		0.001	U	0.001	U	**0.0004**		NA		0.001	U
69	62	Nickel (6010)	0.01	U	NA		0.01	U	0.01	U	0.01	U	**0.02**		0.01	U	0.01	U	0.005	U	NA		**0.0075**	
70	63	Zinc (6010)	**0.004**		NA		**0.016**		**0.007**		**0.008**	J	**0.043**		**0.01**		0.006	U	0.01	U	NA		0.005	U
71	64																							
72	65	**MAJOR IONS AND CONVENTIONALS**																						
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		**11.1**		**26.2**		**9.5**		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		**3.27**		**9.50**		**2.58**		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		**2.5**		**3.9**		**2.5**		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		**5.27**		**8.31**		**6**		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		**34**		NA		**36**		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		1.0	U	NA		1	U	NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		**34**		NA		**36**		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**84**		NA		**100**		**90**		**100**		**120**		**74**		**74**		**81**		NA		**108**	
81	74	Chloride (mg/L) (EPA 325.2)	**1.3**		NA		**3.2**		**2.2**		**1.4**	J	**2.3**		**1.2**		**1.6**		**1.04**		NA		**1.21**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		**3.4**		NA		**2.1**		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		**0.014**		NA		0.01	U	NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		**3.4**		NA		**2.1**		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		**12**		NA		**5.6**		NA		NA		NA		NA	
86	79																							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																								
3			LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S	
4			AH76O		BC30A		BH96G		BR64K		ED30B		EN00B		FF76B		FL41M		0402113-01		0406073-01		P5F0223-04	
5			5/19/99		12/8/99		2/17/00		5/25/00		2/27/02		6/27/02		2/12/03		5/7/03		2/23/04		6/10/04		6/6/05	
87	80	**FIELD PARAMETERS**																						
88	81	pH (avg)	6.01		NM		6.66		6.45		6.09		6.44		7.19		6.78		6.17		NA		7.30	
89	82	Temperature (° C) (avg)	13.6		NM		13.4		13.0		12.6		14.3		11.9		13		13.9		NA		14.6	
90	83	Conductivity (um/hos)	93		NM		111		129		109		149		110		88		75		NA		85	
91	84	Dissolved oxygen (mg/L) (avg)	5.76		NM		2.87		4.30		8.85		7.22		7.33		9.77		6.53		NA		6.67	
92	85																							
93	86	**DIOXINS AND FURANS (ng/L)**																						
94	87	**Method 8290**																						
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																								
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																								
3			LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S		LW10S	
4			AH76O		BC30A		BH96G		BR64K		ED30B		EN00B		FF76B		FL41M		0402113-01		0406073-01		P5F0223-04	
5			5/19/99		12/8/99		2/17/00		5/25/00		2/27/02		6/27/02		2/12/03		5/7/03		2/23/04		6/10/04		6/6/05	
123		**PAHs (µg/L)**																						
124		**EPA Method SW8270 SIM**																						
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2					Dup of LW11S												Dup of LW11S									
3			LW11S		LW110S		LW11S		LW11S		LW11S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4			AH76E		AH76D		AU36F		BC27J		9912050-06A		BH96U		BR55L		BR55K		CB49J		CK77K		CT55H		DE68M	
5			5/20/99		5/20/99		9/21/99		12/8/99		12/8/1999 (d)		2/17/00		5/23/00		5/23/00		8/28/00		11/8/00		2/14/01		6/4/01	
7	1	**CHLORINATED PHENOLS (µg/L)**																								
8	2	**EPA Method SW8040**																								
9	3	Pentachlorophenol	**15000**		**15000**		**9400**		**7200**		NA		**9700**		**7700**	J2	**7600**	J2	**3900**		NA		**320**	J	NA	
10	4	2,4,6-Trichlorophenol	**2.9**		**2.8**		**1.3**		**1.0**		NA		**1.8**		**1.4**		**1.2**		**0.68**		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	**0.13**	J1	0.25	U	0.25	U	**0.12**	J1	NA		**0.13**	J1	0.25	U	0.25	U	0.25	U	NA		NA		NA	
12	6	2,4,5-Trichlorophenol	1.0	U	0.25	U	**0.32**		0.25	U	NA		**0.61**		**0.96**		**0.95**		0.72	U	NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.32	U	NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**750**		**750**		**450**		**360**		NA		**560**		**940**		**850**		**250**		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	**7.5**		**6.8**		**3.7**		**2.4**		NA		**6.2**		**4.2**		**4.4**		**2.5**		NA		NA		NA	
16	10																									
17	11	**SEMIVOLATILES (µg/L)**																								
18	12	**EPA Method SW8270**																								
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	NA		2.0	U	2.0	U	2.0	U	2.0	U	NA		**10**		**2.6**	
20	14	4-Methylphenol	**3.5**	M	**2.8**	M	1.0	U	**1.4**	MJ1	NA		1.0	U	1.0	U	1.0	U	**3.5**		NA		**3.7**		**2.3**	
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	NA		3.0	U	3.0	U	3.0	U	3.0	U	NA		3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	NA		10	U	10	U
24	18	Naphthalene	**41**		**38**		**20**		**12**		NA		**23**		**22**		**20**		**13**		NA		**5.7**		**3.1**	
25	19	2-Methylnaphthalene	**14**		**13**		**8.9**		**5.7**		NA		**9.0**		**9.0**		**9.4**		**4.9**		NA		**3.9**		**2.0**	
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U
31	25	Pentachlorophenol	**24000**		**20000**		**8000**		**5400**		NA		**11000**		**6800**	J2	**6500**	J2	**3600**		NA		**460**	J	**560**	
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	1.0	U	**0.8**	J1	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U
33	27																									
34	28	**VOLATILES (µg/L)**																								
35	29	**EPA Method SW8260**																								
36	30	Acetone	**18**		**21**		5.0	U	**29**		NA		11	U	9.8	U	5.0	U	**11**		NA			R	**17**	
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		2.0	U	1.0	U
38	32	2-Butanone	**6.1**		**6.3**		**27**		5.0	U	NA		**40**	M	5.0	U	5.0	U	5.0	U	NA		10	U	5.0	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		2.0	U	**1.7**	
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		2.0	U	1.0	U
41	35	Toluene	**51**		**48**		**23**		**14**		NA		**17**		**37**		**36**		**15**		NA		**2.4**		**5.3**	
42	36	Ethylbenzene	**160**		**150**		**86**		**54**		NA		**75**		**110**		**110**		**69**		NA		**24**		**33**	
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		2.0	U	1.0	U
44	38	m,p-Xylene	**360**		**350**		**160**		**96**		NA		**140**		**220**		**210**		**120**		NA		**53**		**57**	
45	39	o-Xylene	**300**		**290**		**170**		**96**		NA		**130**		**240**		**210**		**120**		NA		**40**		**50**	
46	40	1,3,5-Trimethylbenzene	**100**		**92**		**68**		**43**		NA		**62**		**88**		**89**		**53**		NA		**48**		**32**	
47	41	1,2,4-Trimethylbenzene	**410**		**430**		**180**		**130**		NA		**200**		**370**		**320**		**180**		NA		**150**		**120**	
48	42	Isopropylbenzene	**50**	J2	**40**	J2	**27**		**18**		NA		**27**		**40**		**38**		**22**		NA		**13**		**12**	
49	43	n-Propylbenzene	**66**		**56**		**40**		**26**		NA		**42**		**53**		**52**		**32**		NA		**24**		**21**	
50	44	tert-Butylbenzene	**2.8**		**2.3**		1.0	U	1.0	U	NA		**1.9**	M	2.3	U	2.2	U	**1.5**	M	NA		2.0	U	**1.3**	M
51	45	sec-Butylbenzene	**15**		**13**		**10**		**9.1**		NA		**14**		**14**		**13**		**8.8**		NA		**7.5**		**7.3**	
52	46	4-Isopropyltoluene	**11**		**9.9**		1.0	U	1.0	U	NA		**10**		**9.8**		**9.4**		**5.9**		NA		**7.1**		**6.6**	
53	47	n-Butylbenzene	**12**		**10**		**8.0**		5.3	U	NA		**11**		10	U	9.9	U	**7.0**	M	NA		**8.4**	M	7.6	U
54	48	Naphthalene	**46**		**38**		**19**		**15**		NA		**25**		**45**		**44**		**22**		NA		10	U	**11**	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																									
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	51	**Method OR-DEQ**																								
59	52	**TPH-Diesel**	**14**		**13**		**10**		**8.8**		NA		**12**		**10**		**9.6**		**5.9**		NA		**2.2**		**1.7**	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		**1.1**		**0.50**		**0.77**		NA		NA		0.50	U	0.50	U
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		**11**		**24**		**20**		**14**		NA		**4.8**		**2.9**	
62	55																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1																									
2										Dup of LW11S						Dup of LW11S									
3		LW11S		LW11S		LW11S		LW11S		OX005S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4		ED34D		EM66C		ES04D		EX87C		EX87A		EZ03I		FF76H		FF76L		FL58H		FU45D		FY72I		0402086-06	
5		2/28/02		6/24/02		08/28/02		10/29/02		10/29/02		11/12/02		2/12/03		2/12/03		5/8/03		8/28/03		10/22/03		2/18/04	
6																									
7	**CHLORINATED PHENOLS (µg/L)**																								
8	**EPA Method SW8040**																								
9	Pentachlorophenol	NA		NA		NA		3600		3700		NA		NA		NA		NA		NA		NA		NA	
10	2,4,6-Trichlorophenol	NA		NA		NA		1.3		1.3		NA		NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	NA		NA		NA		0.4		0.37		NA		NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	NA		NA		NA		0.58	U	0.6	U	NA		NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	NA		NA		NA		0.25	U	0.29	U	NA		NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		380		380		NA		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		3.2	J	4.2	J	NA		NA		NA		NA		NA		NA		NA	
16																									
17	**SEMIVOLATILES (µg/L)**																								
18	**EPA Method SW8270**																								
19	Phenol	2.0	U	2.0	U	2.2	U	NA		NA		2.2	U	2	U	2	U	2	U	2.1	U	2	U	1.96	U
20	4-Methylphenol	1.9		1.0		1.1	U	NA		NA		1.1	U	1.2	M	1.3	M	5.4		1.1	U	1	U	9.8	U
21	Isophorone	1.0	U	1.0	U	1.1	U	NA		NA		1.1	U	1	U	1	U	1	U	1.1	U	1	U	0.98	U
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.3	U	NA		NA		3.3	U	3.1	U	3.1	U	3	U	3.2	U	3	U	2.94	U
23	Benzoic Acid	50	U	50	U	54	U	NA		NA		56	U	51	U	51	U	50	U	53	U	10	U	19.6	U
24	Naphthalene	5.3		6.7		4.9		NA		NA		4.7		4.9		5.1		10		5.6		3.2		9.22	
25	2-Methylnaphthalene	1.7		2.6		1.7		NA		NA		2.8		3.6		3.7		4.5		3.7		2.9		4.2	
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.4	U	NA		NA		5.6	U	5.1	U	5.1	U	5	U	8.3	M	5.1	U	4.9	U
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.4	U	NA		NA		5.6	U	5.1	U	5.1	U	5	U	5.3	U	5.1	U	4.9	U
28	Acenaphthene	1.0	U	1.0	U	1.1	U	NA		NA		1.1	U	1	U	1	U	1	U	1.1	U	1	U	0.98	U
29	Dibenzofuran	1.0	U	1.0	U	1.1	U	NA		NA		1.1	U	1	U	1	U	1	U	1.1	U	1	U	0.98	U
30	Fluorene	1.0	U	1.0	U	1.1	U	NA		NA		1.1	U	1	U	1	U	1	U	1.1	U	1	U	0.98	U
31	Pentachlorophenol	4700		4000		2600		NA		NA		2200		1600	J	2000	J	3800		1700		900		6350	
32	bis(2-Ethylhexyl)phthalate	4.0	U	4.0	U	4.3	U	NA		NA		4.4	U	1	U	1	U	1	U	1.1	U	1	U	0.98	U
33																									
34	**VOLATILES (µg/L)**																								
35	**EPA Method SW8260**																								
36	Acetone	28		5.0	U	11	UJ	99	M	110		46	M	18	M	22	M	23	M	10	MJ	7	M	50	UJ
37	Carbon Disulfide	1.0	U	1.0	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	2	UJ
38	2-Butanone	13		5.0	U	23	J	12		14		7.4		5	U	5	U	5	U	9.5	M	7.5	M	10	UJ
39	Benzene	6.6		12		9.1		2.9		2.6		2.7		11	J	14	J	18		5.4		2.1		30.3	J
40	Bromoform	1.0	U	1.0	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
41	Toluene	9.1		10		3.6	J	3		2.8		1.3		3.9	J	4.8	J	6.4		1.2		1	U	1	UJ
42	Ethylbenzene	36		56		44		56		55		25		34		39		75		29		14		71.6	J
43	Styrene	1.0	U	1.0	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ
44	m,p-Xylene	71		100		69	J	67		67		26		52		62		120		48	J	20		61.6	J
45	o-Xylene	77		94		68	J	88		83		37		48		55		130		50		23		123	J
46	1,3,5-Trimethylbenzene	29		35		28		28	J	22	J	8.3		16		19		46		28		16		34.8	J
47	1,2,4-Trimethylbenzene	140		150		120		160		150		84		95		110		210		120	J	73		160	J
48	Isopropylbenzene	14		16		16		22		18		10		12		14		27		15		7.6		15.9	J
49	n-Propylbenzene	20		24		24		31		27		15		20		23		37		20		13		18.6	J
50	tert-Butylbenzene	1.4		2.8	J	1.8		2		1.8		1.3	M	1.5	M	1.6	M	2.4		1.6		1		1	UJ
51	sec-Butylbenzene	6.9		7.4		5.8		10		9.3		5.6		7.4		7.8		11		7.9		4.7		7.19	J
52	4-Isopropyltoluene	3.9		6.0		5.8	J	7		6.4		3.2		5.2		5.8		7.4		4.6		3.2		4.32	J
53	n-Butylbenzene	4.1		5.0	U	6.8	M	7.6	M	7.2	M	3.8	M	6	M	6.6	M	8.2		5.2		3.7	M	3.41	J
54	Naphthalene	12		17		15	J	22		19		7.8		10		12		22		9.4		5	U	15.1	J
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																									
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	**Method OR-DEQ**																								
59	**TPH-Diesel**	7.4		8.0		7.9		NA		NA		4.7		4.5		4.4		8.6		4		2.3		3.07	
60	**TPH-D Motor Oil**	0.50	U	0.50	U	0.5	U	NA		NA		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.573	
61	**TPH-Gasoline**	8.9		9.7		7.3		NA		NA		6.1		7.1		7.7		8.6	J	4.8		2.8		6.8	
62																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI
1												
2												
3		LW11S		LW11S		LW11S		LW11S		LW11S		LW11S
4		0406074-09		0408035-01		0411066-09		0502087-02		P5F0223-02		P5H1000-09
5		6/10/04		8/05/04		11/11/04		2/17/05		6/6/05		08/23/05
6												
7	**CHLORINATED PHENOLS (µg/L)**											
8	**EPA Method SW8040**											
9	Pentachlorophenol	NA		NA		NA		NA		NA		NA
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
16												
17	**SEMIVOLATILES (µg/L)**											
18	**EPA Method SW8270**											
19	Phenol	2.03	U	2	U	1.94	U	2.01	U	20.0	U	5.00 U
20	4-Methylphenol	10.2	U	10	U	9.72	U	10.1	U	20.0	U	5.00 U
21	Isophorone	1.02	U	1	U	0.972	U	1.01	U	20.0	U	5.00 U
22	2,4-Dimethylphenol	3.05	U	3	U	2.92	U	**3.36**		40.0	U	10.0 U
23	Benzoic Acid	20.3	U	20	U	19.4	U	20.1	U	200	U	50.0 U
24	Naphthalene	**3.55**		**7.81**		**2.24**		**5.65**		20.0	U	5.00 U
25	2-Methylnaphthalene	**2.07**		**3.81**		**1.86**		**3.22**		20.0	U	5.00 U
26	2,4,6-Trichlorophenol	5.09	U	5	U	4.86	U	5.03	U	20.0	U	5.00 U
27	2,4,5-Trichlorophenol	5.09	U	5	U	4.86	U	5.03	U	20.0	U	5.00 U
28	Acenaphthene	1.02	U	1	U	0.972	U	1.01	U	20.0	U	5.00 U
29	Dibenzofuran	1.02	U	1	U	0.972	U	1.01	U	20.0	U	5.00 U
30	Fluorene	1.02	U	1	U	0.972	U	1.01	U	20.0	U	5.00 U
31	Pentachlorophenol	**2130**		**604**		**184**		**178**		**545**		**687**
32	bis(2-Ethylhexyl)phthalate	1.02	U	1	U	0.972	U	1.01	U	40.0	U	10.0 U
33												
34	**VOLATILES (µg/L)**											
35	**EPA Method SW8260**											
36	Acetone	50	U	**54**	J	50	U	50	U	25.0	U	25.0 U
37	Carbon Disulfide	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	2-Butanone	**11.6**		**13**	J	10	U	10	U	10.00	U	10.0 U
39	Benzene	**11.6**		**9.79**	J	**2.38**		**9.91**		**6.80**		**4.58**
40	Bromoform	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	Toluene	1	U	1	U	1	U	**1.3**		1.00	U	1.00 U
42	Ethylbenzene	**38.6**		**83.1**	J	**21.4**		**47.1**		**22.8**		**17.6**
43	Styrene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	m,p-Xylene	**59**		**126**	J	**30.9**		**73.9**		**25.6**		**15.6**
45	o-Xylene	**67.8**		**176**	J	**44.2**		**84.1**		**35.9**		**27.5**
46	1,3,5-Trimethylbenzene	**27.7**		**56.7**	J	**21.6**		**34.5**		**9.50**		**6.22**
47	1,2,4-Trimethylbenzene	**99.4**		**234**	J	**91.2**		**175**		**62.3**		**47.1**
48	Isopropylbenzene	**12**		**28.2**	J	**11.1**		**15**		**8.25**		**7.34**
49	n-Propylbenzene	**18.1**		**30.5**	J	**14.1**		**25.9**		**11.0**		**9.85**
50	tert-Butylbenzene	**1.16**		**1.55**	J	**1.42**		**3.03**		1.00	U	1.00 U
51	sec-Butylbenzene	**5.49**		**8.97**	J	**5.12**		**10.8**		**3.58**		**3.15**
52	4-Isopropyltoluene	**3.19**		**6.91**	J	**4.26**		**8.43**		**2.56**		**2.08**
53	n-Butylbenzene	**2.47**		**5.42**	J	**2.94**		**8.86**		5.00	U	5.00 U
54	Naphthalene	**8.95**		**24.5**	J	**8.69**		**12.9**		**9.06**		**6.79**
55	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56												
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**											
58	**Method OR-DEQ**											
59	**TPH-Diesel**	NA		NA		NA		**2.72**		**0.364**		**0.463**
60	**TPH-D Motor Oil**	NA		NA		NA		0.483	U	0.5	U	0.500 U
61	**TPH-Gasoline**	NA		NA		NA		**3.66**		**1.6**		**1.44**
62												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2					Dup of LW11S												Dup of LW11S									
3			LW11S		LW110S		LW11S		LW11S		LW11S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4			AH76E		AH76D		AU36F		BC27J		9912050-06A		BH96U		BR55L		BR55K		CB49J		CK77K		CT55H		DE68M	
5			5/20/99		5/20/99		9/21/99		12/8/99		12/8/1999 (d)		2/17/00		5/23/00		5/23/00		8/28/00		11/8/00		2/14/01		6/4/01	
63	56	**PRIORITY POLLUTANT**																								
64	57	**METALS (mg/L)**																								
65	58	Arsenic (7060)	**0.007**		**0.008**		**0.006**		**0.007**		NA		**0.007**		**0.008**		**0.008**		**0.007**		NA		**0.007**		**0.007**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U	0.005	U
67	60	Copper (6010)	**0.002**		**0.003**		0.002	U	0.002	U	NA		**0.005**		0.002	U	0.002	U	0.002	U	NA		0.002	U	0.002	U
68	61	Lead (7421)	0.001	U	0.001	U	0.001	U	0.001	U	NA		**0.002**		0.001	U	0.001	U	0.001	U	NA		0.001	U	0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U	0.01	U
70	63	Zinc (6010)	**0.010**		**0.010**		0.004	U	0.006	U	NA		**0.011**		0.006	U	0.006	U	0.006	U	NA		0.006	U	0.006	U
71	64																									
72	65	**MAJOR IONS AND CONVENTIONALS**																								
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**20.3**		**28.6**	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**6.41**		**9.34**	
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**1.6**		**2.7**	
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**4.03**		**6.10**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**140**		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1.0	U	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**140**		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**230**		**240**		**150**		**200**		NA		**160**		**160**		**170**		**220**		NA		**190**		**190**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.3**		**2.2**		**3.3**		**5.3**		NA		**5.2**		**5.8**	J2	**12**	J2	**6.5**		NA		**3.1**		**3.2**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.010	U	NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.010	U	NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.010	U	NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**5.6**		NA	
86	79																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1																									
2										Dup of LW11S						Dup of LW11S									
3		LW11S		LW11S		LW11S		LW11S		OX005S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4		ED34D		EM66C		ES04D		EX87C		EX87A		EZ03I		FF76H		FF76L		FL58H		FU45D		FY72I		0402086-06	
5		2/28/02		6/24/02		08/28/02		10/29/02		10/29/02		11/12/02		2/12/03		2/12/03		5/8/03		8/28/03		10/22/03		2/18/04	
63	**PRIORITY POLLUTANT**																								
64	**METALS (mg/L)**																								
65	Arsenic (7060)	**0.006**		**0.006**		**0.006**		NA		NA		0.05	U	**0.004**		**0.004**		**0.005**		**0.005**		**0.006**		**0.004**	
66	Chromium (6010)	0.005	U	0.005	U	0.005	U	NA		NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0069**	
67	Copper (6010)	**0.003**		0.002	U	0.002	U	NA		NA		0.002	U	0.002	UJ	**0.007**	J	**0.002**		**0.004**		**0.002**		0.01	U
68	Lead (7421)	0.001	U	0.001	U	0.001	U	NA		NA		0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	**0.0002**	
69	Nickel (6010)	0.01	U	0.01	U	0.01	U	NA		NA		**0.12**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U
70	Zinc (6010)	0.006	U	0.006	U	0.006	U	NA		NA		**0.019**		**0.009**		**0.011**		0.006	U	0.006	U	0.006	U	0.01	U
71																									
72	**MAJOR IONS AND CONVENTIONALS**																								
73	Calcium (mg/L) (6010)	**59.0**		NA		NA		NA		NA		NA		**22.5**		**23.1**		NA		NA		NA		NA	
74	Magnesium (mg/L) (6010)	**18.2**		NA		NA		NA		NA		NA		**7.52**		**7.8**		NA		NA		NA		NA	
75	Potassium (mg/L) (6010)	**4.0**		NA		NA		NA		NA		NA		**2.9**		**3**		NA		NA		NA		NA	
76	Sodium (mg/L) (6010)	**8.55**		NA		NA		NA		NA		NA		**12.5**		**12.9**		NA		NA		NA		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)	**230**		NA		NA		140		**140**		NA		**120**		**120**		NA		NA		NA		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	NA		NA		1	U	1	U	NA		1	U	1	U	NA		NA		NA		NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**230**		NA		NA		140		**140**		NA		**120**		**120**		NA		NA		NA		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**410**		**180**		**160**		NA		NA		**560**		**170**		**160**		**190**		**270**		**240**		**274**	
81	Chloride (mg/L) (EPA 325.2)	**58**		**2.7**		**3.8**		NA		NA		**4.7**		**3.1**		**3**		**4.9**		**3.3**		**4**		**3.13**	
82	N-Nitrate (mg-N/L) (Calculated)	0.010	U	NA		NA		NA		NA		NA		**0.042**	J	**0.031**	J	NA		NA		NA		NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)	**0.031**		NA		NA		NA		NA		NA		0.01	U	0.01	U	NA		NA		NA		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.040**		NA		NA		NA		NA		NA		**0.042**	J	**0.031**	J	NA		NA		NA		NA	
85	Sulfate (mg/L) (EPA 375.2)	**13**		NA		NA		NA		NA		NA		**24**		**26**		NA		NA		NA		NA	
86																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI
1												
2												
3		LW11S		LW11S		LW11S		LW11S		LW11S		LW11S
4		0406074-09		0408035-01		0411066-09		0502087-02		P5F0223-02		P5H1000-09
5		6/10/04		8/05/04		11/11/04		2/17/05		6/6/05		08/23/05
63	**PRIORITY POLLUTANT**											
64	**METALS (mg/L)**											
65	Arsenic (7060)	**0.005**		**0.00333**		**0.00394**		**0.00367**		**0.00372**		**0.00303**
66	Chromium (6010)	**0.0173**		**0.0161**		**0.0206**		**0.0065**		0.001	U	0.001 U
67	Copper (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	**0.00109**
68	Lead (7421)	0.0001	U	0.0001	U	**0.00104**		0.000202	U	0.001	U	0.001 U
69	Nickel (6010)	0.005	U	0.005	U	0.005	U	**0.0377**		**0.0916**		**0.143**
70	Zinc (6010)	0.01	U	0.01	U	0.01	U	**0.0135**		**0.00948**		**0.0127**
71												
72	**MAJOR IONS AND CONVENTIONALS**											
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**389**		**356**		**366**		**295**		**456**		**450**
81	Chloride (mg/L) (EPA 325.2)	**3.92**		**3.59**		**4.83**		**3.69**		**3.27**		**3.70**
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA
86												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2					Dup of LW11S												Dup of LW11S									
3			LW11S		LW110S		LW11S		LW11S		LW11S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4			AH76E		AH76D		AU36F		BC27J		9912050-06A		BH96U		BR55L		BR55K		CB49J		CK77K		CT55H		DE68M	
5			5/20/99		5/20/99		9/21/99		12/8/99		12/8/1999 (d)		2/17/00		5/23/00		5/23/00		8/28/00		11/8/00		2/14/01		6/4/01	
87	80	**FIELD PARAMETERS**																								
88	81	pH (avg)	6.55		6.56		5.83		6.50		NM		6.52		6.52		6.53		6.27		NM		6.25		6.50	
89	82	Temperature (° C) (avg)	14.1		14.1		15.0		12.2		NM		15.0		14.0		14.0		15.1		NM		13.2		14.1	
90	83	Conductivity (um/hos)	285		286		226		323		NM		291		234		234		346		NM		296		270	
91	84	Dissolved oxygen (mg/L) (avg)	2.09		2.21		2.45		2.72		NM		0.11		2.02		2.02		1.37		NM		0.61		0.96	
92	85																									
93	86	**DIOXINS AND FURANS (ng/L)**																								
94	87	**Method 8290**																								
95	88	2,3,7,8-TCDF	NA		NA		0.0055	U	0.00130	U	NA		0.0025	U	NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		**0.018**		**0.0011**	J1	NA		**0.0064**		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		0.0056	U	0.00130	U	NA		0.0044	U	NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		0.0056	U	0.00130	U	NA		0.0044	U	NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		0.0320	UE	0.00160	U	NA		0.11	U	NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		0.0120	U	0.00130	U	NA		0.0026	U	NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		0.0220	U	0.00140	U	NA		0.0034	U	NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		0.0061	U	0.00160	U	NA		0.0044	U	NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		0.0061	U	0.00160	U	NA		0.0044	U	NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		0.0083	U	0.00120	U	NA		0.54	U	NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		0.0079	U	0.018	U	NA		0.0036	U	NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		0.0067	U	0.0032	U	NA		0.0038	U	NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		0.0130	U	0.00140	U	NA		0.0058	U	NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		**0.015**		0.0170	U	NA		**0.1600**		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		0.0076	U	0.00260	U	NA		0.0069	U	NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		**0.015**		**0.0025**	J1	NA		**0.0230**	J1	NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		0.0100	U	0.00130	U	NA		0.0078	U	NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		**0.035**		**0.0068**	J1	NA		**0.0310**		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		**0.043**		**0.0071**	J1	NA		0.14	U	NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		0.0094	U	0.00200	U	NA		0.0120	U	NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		**0.043**		**0.0320**	J1	NA		**0.3800**		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		**0.270**		**0.0500**	J1	NA		**0.6900**		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		**0.410**		**0.0780**		NA		**1.1000**		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		0.220	U	**0.0280**	J1	NA		**0.5100**		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		**1.900**		**0.2800**		NA		**5.3000**		NA		NA		NA		NA		NA		NA	
120																										
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		10	U	**11**		5.0	U	5.0	U	5.0	U	NA		5.0	U	NA	
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1																									
2										Dup of LW11S						Dup of LW11S									
3		LW11S		LW11S		LW11S		LW11S		OX005S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4		ED34D		EM66C		ES04D		EX87C		EX87A		EZ03I		FF76H		FF76L		FL58H		FU45D		FY72I		0402086-06	
5		2/28/02		6/24/02		08/28/02		10/29/02		10/29/02		11/12/02		2/12/03		2/12/03		5/8/03		8/28/03		10/22/03		2/18/04	
87	**FIELD PARAMETERS**																								
88	pH (avg)	6.29		6.14		6.44		6.47		6.48		6.21		6.9		6.92		6.6		6.65		6.65		6.53	
89	Temperature (° C) (avg)	13.6		15.6		16.4		16.4		16.4		15.5		14.6		14.7		13.7		14.3		15.8		14.3	
90	Conductivity (um/hos)	460		205		218		554		554		528		323		324		248		356		300		341	
91	Dissolved oxygen (mg/L) (avg)	7.46		4.17		1.31		0		0		0		0		0		2.96		1.61		1.97		1.52	
92																									
93	**DIOXINS AND FURANS (ng/L)**																								
94	**Method 8290**																								
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**6.88**	J	NA	
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**7.91**		NA	
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		3.08	U	NA	
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		3.08	U	NA	
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**30.1**		NA	
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**23.8**	J	NA	
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**664**		NA	
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		5.19	U	NA	
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**144**		NA	
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**185**		NA	
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**101**		NA	
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**141**		NA	
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		11	U	NA	
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**6013**		NA	
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**31**		NA	
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**812**		NA	
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**111**		NA	
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**2769**		NA	
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**5015**		NA	
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**335**		NA	
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**23730**		NA	
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**34761**	J	NA	
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**53330**		NA	
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**25345**	J	NA	
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**276444**	J	NA	
120																									
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																									

TABLE F-10
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GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI
1												
2												
3		LW11S		LW11S		LW11S		LW11S		LW11S		LW11S
4		0406074-09		0408035-01		0411066-09		0502087-02		P5F0223-02		P5H1000-09
5		6/10/04		8/05/04		11/11/04		2/17/05		6/6/05		08/23/05
87	**FIELD PARAMETERS**											
88	pH (avg)	6.31		5.78		6.66		6.58		7.16		6.11
89	Temperature (° C) (avg)	14.3		15.6		14.9		14.3		15.2		15.4
90	Conductivity (um/hos)	418		585		428		207		470		468
91	Dissolved oxygen (mg/L) (avg)	1.24		1.68		0.87		0		2.06		NM
92												
93	**DIOXINS AND FURANS (ng/L)**											
94	**Method 8290**											
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA
120												
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA
122												

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DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2					Dup of LW11S												Dup of LW11S									
3			LW11S		LW110S		LW11S		LW11S		LW11S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4			AH76E		AH76D		AU36F		BC27J		9912050-06A		BH96U		BR55L		BR55K		CB49J		CK77K		CT55H		DE68M	
5			5/20/99		5/20/99		9/21/99		12/8/99		12/8/1999 (d)		2/17/00		5/23/00		5/23/00		8/28/00		11/8/00		2/14/01		6/4/01	
123		**PAHs (µg/L)**																								
124		**EPA Method SW8270 SIM**																								
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
1																									
2										Dup of LW11S						Dup of LW11S									
3		LW11S		LW11S		LW11S		LW11S		OX005S		LW11S		LW11S		X		LW11S		LW11S		LW11S		LW11S	
4		ED34D		EM66C		ES04D		EX87C		EX87A		EZ03I		FF76H		FF76L		FL58H		FU45D		FY72I		0402086-06	
5		2/28/02		6/24/02		08/28/02		10/29/02		10/29/02		11/12/02		2/12/03		2/12/03		5/8/03		8/28/03		10/22/03		2/18/04	
123	**PAHs (µg/L)**																								
124	**EPA Method SW8270 SIM**																								
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI
1												
2												
3		LW11S		LW11S		LW11S		LW11S		LW11S		LW11S
4		0406074-09		0408035-01		0411066-09		0502087-02		P5F0223-02		P5H1000-09
5		6/10/04		8/05/04		11/11/04		2/17/05		6/6/05		08/23/05
123	**PAHs (µg/L)**											
124	**EPA Method SW8270 SIM**											
125	Naphthalene	NA		NA		NA		NA		NA		**3.97**
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		1	U	NA		NA		NA		2.50 U
128	Acenaphthene	NA		NA		NA		NA		NA		2.50 U
129	Fluorene	NA		NA		NA		NA		NA		2.50 U
130	Anthracene	NA		1	U	NA		NA		NA		2.50 U
131	Dibenzofuran	NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																											Dup of LW13S	
3			LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		Y	
4			BR64S		CB68A		CL03U		CT67O		DE87F		DM30R		DW29K		ED30F		EN00F		ER93H		EZ03N		FF65H		FF65J	
5			5/25/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/12/02		2/11/03		2/11/03	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	**0.60**		**0.89**		**1.4**		**9.3**		**4.4**		**6.9**		0.25	U	0.26	U	0.25	U	0.26	U	**0.49**		0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
20	14	4-Methylphenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
21	15	Isophorone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
22	16	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
23	17	Benzoic Acid	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
24	18	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
25	19	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
26	20	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
27	21	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
28	22	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
29	23	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
30	24	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
31	25	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
37	31	Carbon Disulfide	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
38	32	2-Butanone	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
39	33	Benzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
40	34	Bromoform	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
41	35	Toluene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
42	36	Ethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
43	37	Styrene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
44	38	m,p-Xylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
45	39	o-Xylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
46	40	1,3,5-Trimethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
47	41	1,2,4-Trimethylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
48	42	Isopropylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
49	43	n-Propylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
50	44	tert-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
51	45	sec-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
52	46	4-Isopropyltoluene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
53	47	n-Butylbenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
54	48	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																		
2																		
3		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S
4		FL58C		FU45M		FY82E		0402113-06		0408036-07		0411066-16		0502102-08		P5F0342-05		P5H0814-03
5		5/8/03		8/28/03		10/23/03		2/23/04		8/05/04		11/11/04		2/23/05		6/7/05		08/18/05
6																		
7	**CHLORINATED PHENOLS (µg/L)**																	
8	**EPA Method SW8040**																	
9	Pentachlorophenol	0.25	U	**1.1**	J	**1.0**		0.482	U	0.5	U	NA		0.479	U	0.526	U	0.500 U
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
16																		
17	**SEMIVOLATILES (µg/L)**																	
18	**EPA Method SW8270**																	
19	Phenol	NA		NA		NA		NA		NA		1.92	U	NA		5.00	U	NA
20	4-Methylphenol	NA		NA		NA		NA		NA		9.62	U	NA		5.00	U	NA
21	Isophorone	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
22	2,4-Dimethylphenol	NA		NA		NA		NA		NA		2.89	U	NA		10.00	U	NA
23	Benzoic Acid	NA		NA		NA		NA		NA		19.2	U	NA		50.0	U	NA
24	Naphthalene	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
25	2-Methylnaphthalene	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
26	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		4.81	U	NA		5.00	U	NA
27	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		4.81	U	NA		5.00	U	NA
28	Acenaphthene	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
29	Dibenzofuran	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
30	Fluorene	NA		NA		NA		NA		NA		0.962	U	NA		5.00	U	NA
31	Pentachlorophenol	NA		NA		NA		NA		NA		4.81	U	NA		10	U	NA
32	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		0.962	U	NA		10.00	U	NA
33																		
34	**VOLATILES (µg/L)**																	
35	**EPA Method SW8260**																	
36	Acetone	NA		NA		NA		NA		NA		50	U	NA		25.0	U	NA
37	Carbon Disulfide	NA		NA		NA		NA		NA		2	U	NA		10.00	U	NA
38	2-Butanone	NA		NA		NA		NA		NA		10	U	NA		10.00	U	NA
39	Benzene	NA		NA		NA		NA		NA		0.3	U	NA		1.00	U	NA
40	Bromoform	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
41	Toluene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
42	Ethylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
43	Styrene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
44	m,p-Xylene	NA		NA		NA		NA		NA		2	U	NA		2.00	U	NA
45	o-Xylene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
46	1,3,5-Trimethylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
47	1,2,4-Trimethylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
48	Isopropylbenzene	NA		NA		NA		NA		NA		1	U	NA		2.00	U	NA
49	n-Propylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
50	tert-Butylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
51	sec-Butylbenzene	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
52	4-Isopropyltoluene	NA		NA		NA		NA		NA		1	U	NA		2.00	U	NA
53	n-Butylbenzene	NA		NA		NA		NA		NA		1	U	NA		5.00	U	NA
54	Naphthalene	NA		NA		NA		NA		NA		1	U	NA		2.00	U	NA
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		1	U	NA		1.00	U	NA
56																		
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																	
58	**Method OR-DEQ**																	
59	**TPH-Diesel**	NA		NA		NA		NA		NA		0.244	U	0.243	U	0.25	U	0.250 U
60	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		0.489	U	0.487	U	0.5	U	0.500 U
61	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		0.1	U	0.08	U	0.08 U
62																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																											Dup of LW13S	
3			LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		Y	
4			BR64S		CB68A		CL03U		CT67O		DE87F		DM30R		DW29K		ED30F		EN00F		ER93H		EZ03N		FF65H		FF65J	
5			5/25/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/12/02		2/11/03		2/11/03	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
66	59	Chromium (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
67	60	Copper (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
68	61	Lead (7421)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
69	62	Nickel (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
70	63	Zinc (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																		
2																		
3		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S
4		FL58C		FU45M		FY82E		0402113-06		0408036-07		0411066-16		0502102-08		P5F0342-05		P5H0814-03
5		5/8/03		8/28/03		10/23/03		2/23/04		8/05/04		11/11/04		2/23/05		6/7/05		08/18/05
63	**PRIORITY POLLUTANT**																	
64	**METALS (mg/L)**																	
65	Arsenic (7060)	NA		NA		NA		NA		NA		0.001	U	NA		0.001	U	NA
66	Chromium (6010)	NA		NA		NA		NA		NA		**0.0235**		NA		**0.00194**		NA
67	Copper (6010)	NA		NA		NA		NA		NA		**0.0609**		NA		**0.0143**		NA
68	Lead (7421)	NA		NA		NA		NA		NA		**0.00029**		NA		0.001	U	NA
69	Nickel (6010)	NA		NA		NA		NA		NA		**0.0853**		NA		**0.0357**		NA
70	Zinc (6010)	NA		NA		NA		NA		NA		0.01	U	NA		0.005	U	NA
71																		
72	**MAJOR IONS AND CONVENTIONALS**																	
73	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		NA		NA		**229**		NA		**164**		NA
81	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		**10.6**		NA		**3.64**		NA
82	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
86																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																											Dup of LW13S	
3			LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		Y	
4			BR64S		CB68A		CL03U		CT67O		DE87F		DM30R		DW29K		ED30F		EN00F		ER93H		EZ03N		FF65H		FF65J	
5			5/25/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/12/02		2/11/03		2/11/03	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.22		5.57		5.62		6.34		6.54		6.82		6.56		6.35		6.43		6.32		6.43		6.77		6.76	
89	82	Temperature (° C) (avg)	12.0		13.5		10.7		12.2		12.8		15.2		13.8		11.2		12.7		14.1		14.1		12.8		12.8	
90	83	Conductivity (um/hos)	128		149		272		149		336		383		214		89		180		146		141		71		71	
91	84	Dissolved oxygen (mg/L) (avg)	5.81		3.67		1.47		0.94		2.62		1.49		5.86		9.57		7.00		2.31		2.27		0		0	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																		
2																		
3		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S
4		FL58C		FU45M		FY82E		0402113-06		0408036-07		0411066-16		0502102-08		P5F0342-05		P5H0814-03
5		5/8/03		8/28/03		10/23/03		2/23/04		8/05/04		11/11/04		2/23/05		6/7/05		08/18/05
87	**FIELD PARAMETERS**																	
88	pH (avg)	6.36		6.67		6.38		6.23		5.86		6.51		6.89		6.45		6.00
89	Temperature (° C) (avg)	11.9		15.6		14.7		13.2		14.2		15.4		13.9		13.9		14.6
90	Conductivity (um/hos)	81		131		119		70		267		192		93		141		155
91	Dissolved oxygen (mg/L) (avg)	6.14		3.68		5.65		4.4		4.6		2.85		4.87		5.84		NM
92																		
93	**DIOXINS AND FURANS (ng/L)**																	
94	**Method 8290**																	
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
120																		
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA
122																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																											Dup of LW13S	
3			LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		Y	
4			BR64S		CB68A		CL03U		CT67O		DE87F		DM30R		DW29K		ED30F		EN00F		ER93H		EZ03N		FF65H		FF65J	
5			5/25/00		8/30/00		11/9/00		2/15/01		6/6/01		8/13/01		11/27/01		2/27/02		6/27/02		08/27/02		11/12/02		2/11/03		2/11/03	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																		
2																		
3		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S		LW13S
4		FL58C		FU45M		FY82E		0402113-06		0408036-07		0411066-16		0502102-08		P5F0342-05		P5H0814-03
5		5/8/03		8/28/03		10/23/03		2/23/04		8/05/04		11/11/04		2/23/05		6/7/05		08/18/05
123	**PAHs (µg/L)**																	
124	**EPA Method SW8270 SIM**																	
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S
4			FZ04O		0402115-04		0406050-12		0408056-08		0411059-01		0502099-03		P5F0666-01		P5H0734-06
5			10/28/03		2/24/04		6/8/04		8/09/04		11/10/04		2/22/05		6/15/05		08/17/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	2	U	2	U	2.03	U	2.03	U	1.95	U	1.99	U	5.00	U	5.00 U
20	14	4-Methylphenol	1	U	10	U	10.2	U	10.1	U	9.77	U	9.95	U	5.00	U	5.00 U
21	15	Isophorone	1	U	1	U	1.02	U	1.01	U	0.977	U	0.995	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3	U	3	U	3.05	U	3.04	U	2.93	U	2.99	U	10.00	U	10.0 U
23	17	Benzoic Acid	10	U	20	U	20.3	U	20.3	U	19.5	U	19.9	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	1	U	1.02	U	1.01	U	0.977	U	0.995	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	1	U	1.02	U	1.01	U	0.977	U	0.995	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5	U	5	U	5.08	U	5.07	U	4.88	U	4.98	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5	U	5	U	5.08	U	5.07	U	4.88	U	4.98	U	5.00	U	5.00 U
28	22	Acenaphthene	**1.1**		**1.18**		1.02	U	**1.09**		**1.04**		0.995	U	5.00	U	5.00 U
29	23	Dibenzofuran	**1.5**		**1.02**		**1.08**		1.01	U	**1.33**		0.995	U	5.00	U	5.00 U
30	24	Fluorene	**3.5**		**2.82**		**3.04**		**3.46**		**3.41**		**11.3**		5.00	U	5.00 U
31	25	Pentachlorophenol	5	U	5	U	5.08	U	5.07	U	4.88	U	4.98	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1	U	1	U	1.02	U	1.01	U	0.977	U	**2**		10.00	U	10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	**5.1**	M	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	U	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1	U	1	U	**1.23**		1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**6.5**		**6.65**		**7.29**		**7.65**		**5.89**		**2.55**		**5.70**		**6.35**
49	43	n-Propylbenzene	**8.9**		**9.37**		**12.3**		**9.41**		**9.38**		**5.54**		**8.48**		**8.49**
50	44	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	**4.7**		**4.92**		**5.87**		**4.62**		**3.65**		**2.67**		**4.20**		**4.64**
52	46	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**2.9**	M	**2.78**		**3.17**		**2**		**3**		**6.28**		5.00	U	5.00 U
54	48	Naphthalene	5	U	1	U	1	U	1	U	1	U	**7.88**		2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	**4.4**		**7.53**		**7.12**		**6.15**		**5.32**		**11.3**		**1.77**		**0.991**
60	53	**TPH-D Motor Oil**	0.5	U	**1.07**		0.516	U	0.5	U	**1.66**		0.481	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**1.1**		**1.3**		**1.28**		**0.786**		**1.30**		**0.973**		**0.441**		**0.145**
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S
4			FZ04O		0402115-04		0406050-12		0408056-08		0411059-01		0502099-03		P5F0666-01		P5H0734-06
5			10/28/03		2/24/04		6/8/04		8/09/04		11/10/04		2/22/05		6/15/05		08/17/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	**0.046**		**0.040**		**0.039**		**0.0406**		**0.0406**		**0.0434**		**0.0472**		**0.0382**
66	59	Chromium (6010)	0.005	U	**0.0095**		0.005	U	**0.0158**		**0.0149**		**0.0063**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	**0.159**		0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	**0.001**		**0.0005**		0.0001	U	**0.000177**		**0.00045**		**0.00056**		0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.00426**		**0.00193**
70	63	Zinc (6010)	0.006	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**140**		**256**		**148**		**152**		**191**		**218**		**244**		**232**
81	74	Chloride (mg/L) (EPA 325.2)	**1.1**		**2.18**		**1.19**		0.5	U	0.5	U	**0.98**		**2.63**		**1.86**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S
4			FZ04O		0402115-04		0406050-12		0408056-08		0411059-01		0502099-03		P5F0666-01		P5H0734-06
5			10/28/03		2/24/04		6/8/04		8/09/04		11/10/04		2/22/05		6/15/05		08/17/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.65		6.63		6.64		6.01		6.86		6.34		6.58		6.52
89	82	Temperature (° C) (avg)	14.4		12.8		15		14.7		14		13.4		13.6		14.7
90	83	Conductivity (um/hos)	506		492		452		781		582		223		354		626
91	84	Dissolved oxygen (mg/L) (avg)	1.72		1.26		1.05		2.69		1.79		0.06		0		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S		LW19S
4			FZ04O		0402115-04		0406050-12		0408056-08		0411059-01		0502099-03		P5F0666-01		P5H0734-06
5			10/28/03		2/24/04		6/8/04		8/09/04		11/10/04		2/22/05		6/15/05		08/17/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	0.1	U	**0.369**		**0.76**		**0.14**		**0.515**		**1.13**		1.50	U	1.25 U
126		2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.1	U	**0.159**		**0.3**		1.01	U	**0.283**		**0.76**		1.00	U	0.500 U
128		Acenaphthene	0.84		**0.857**		**1.19**		**0.678**		**0.989**		**2.28**		**1.05**		**1.19**
129		Fluorene	2.5		**2.35**		**3.88**		**1.59**		**3.29**		**7.83**		**2.94**		**3.69**
130		Anthracene	0.1	U	0.0498	U	**0.18**		**0.0997**		**0.0807**		**0.267**		1.00	U	0.500 U
131		Dibenzofuran	0.77		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																					
2							Dup of LW20S						Dup of LW20S								
3			LW20S		LW20S		X		LW20S		LW20S		X		LW20S		LW20S		LW20S		LW20S
4			FZ04M		0402115-02		0402115-01		0406050-11		0408056-09		0408056-01		0411059-02		0502110-06		P5F0666-03		P5H0813-01
5			10/28/03		2/24/04		2/24/04		6/8/04		8/09/04		8/09/04		11/10/04		2/24/05		6/15/05		08/18/05
7	1	**CHLORINATED PHENOLS (µg/L)**																			
8	2	**EPA Method SW8040**																			
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																				
17	11	**SEMIVOLATILES (µg/L)**																			
18	12	**EPA Method SW8270**																			
19	13	Phenol	2.2	U	2.02	U	2.1	U	1.98	U	2.07	U	2.08	U	1.95	U	1.97	U	5.00	U	5.00 U
20	14	4-Methylphenol	1.1	U	10.1	U	10.5	U	9.92	U	10.3	U	10.4	U	9.76	U	9.87	U	5.00	U	5.00 U
21	15	Isophorone	1.1	U	1.01	U	1.05	U	0.992	U	1.03	U	1.04	U	0.976	U	0.987	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.3	U	3.03	U	3.15	U	2.98	U	3.1	U	3.12	U	2.93	U	2.96	U	10.00	U	10.0 U
23	17	Benzoic Acid	11	U	20.2	U	21	U	19.8	U	20.7	U	20.8	U	19.5	U	19.7	U	50.0	U	50.0 U
24	18	Naphthalene	1.1	U	1.01	U	1.05	U	0.992	U	1.03	U	1.04	U	0.976	U	0.987	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1.1	U	1.01	U	1.05	U	0.992	U	1.03	U	1.04	U	0.976	U	0.987	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.6	U	5.05	U	5.25	U	4.96	U	5.17	U	5.19	U	4.88	U	4.94	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.6	U	5.05	U	5.25	U	4.96	U	5.17	U	5.19	U	4.88	U	4.94	U	5.00	U	5.00 U
28	22	Acenaphthene	**1.4**		**1.25**		1.05	U	**1.32**		**1.5**		**1.43**		**1.35**		**1.15**		5.00	U	5.00 U
29	23	Dibenzofuran	1.1	U	**1.43**		**1.49**		**1.24**		1.03	U	1.04	U	**1.17**		0.987	U	5.00	U	5.00 U
30	24	Fluorene	**3.8**		**3.7**		**3.53**		**3.64**		**3.86**		**3.63**		**3.24**		**3.18**		**6.12**		5.00 U
31	25	Pentachlorophenol	5.6	U	5.05	U	5.25	U	4.96	U	5.17	U	5.19	U	4.88	U	4.94	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1.1	U	1.01	U	1.05	U	0.992	U	1.03	U	1.04	U	0.976	U	0.987	U	10.00	U	10.0 U
33	27																				
34	28	**VOLATILES (µg/L)**																			
35	29	**EPA Method SW8260**																			
36	30	Acetone	5	U	50	UJ	50	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	UJ	2	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	UJ	10	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	**0.95**	J	**0.85**	J	0.3	U	0.3	U	0.3	U	**0.38**		0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	UJ	2	U	2	U	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	UJ	1	U	1	U	1	U	1	U	**1.3**		1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**7**		**7.89**	J	**5.82**	J	**7.53**		**8.52**	J	**6.79**	J	**7.75**		**4.55**		**7.00**		**8.06**
49	43	n-Propylbenzene	**9.2**		**10.8**	J	**9.94**		**13.5**		**10.6**		**10.5**		**11.3**		**9.38**		**10.5**		**10.3**
50	44	tert-Butylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	**5.1**		**6.27**	J	**5.19**		**6.65**		**5.55**	J	**4.41**	J	**5.26**		**4.57**		**5.92**		**6.17**
52	46	4-Isopropyltoluene	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**2.2**		**3.43**	J	**2.78**		**3.12**		**2.17**		**1.76**		**3.24**		**7.22**		5.00	U	5.00 U
54	48	Naphthalene	5	U	1	UJ	1	U	1	U	1	U	1	U	1	U	**13.1**		2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																				
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																			
58	51	**Method OR-DEQ**																			
59	52	**TPH-Diesel**	**5.4**		**6.77**		**6.29**		**10.7**		**9.21**		**8.43**		**6.45**		**6.27**		0.543	U	**0.712**
60	53	**TPH-D Motor Oil**	0.5	U	**1.06**		**0.998**		0.498	U	0.511	U	0.528	U	**2.37**		0.488	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**0.96**		**1.4**		**1.2**		**0.981**		**0.783**		**0.676**		**1.21**		**0.699**		**0.337**		**0.353**
62	55																				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																					
2							Dup of LW20S						Dup of LW20S								
3			LW20S		LW20S		X		LW20S		LW20S		X		LW20S		LW20S		LW20S		LW20S
4			FZ04M		0402115-02		0402115-01		0406050-11		0408056-09		0408056-01		0411059-02		0502110-06		P5F0666-03		P5H0813-01
5			10/28/03		2/24/04		2/24/04		6/8/04		8/09/04		8/09/04		11/10/04		2/24/05		6/15/05		08/18/05
63	56	**PRIORITY POLLUTANT**																			
64	57	**METALS (mg/L)**																			
65	58	Arsenic (7060)	**0.04**		**0.020**		**0.019**		**0.029**		**0.0317**		**0.031**		**0.0336**		**0.0313**		**0.0263**		**0.0313**
66	59	Chromium (6010)	0.005	U	**0.013**		**0.0123**	J	**0.0133**		**0.014**		**0.0176**		0.005	U	0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	**0.605**	J	0.01	UJ	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.001	U	**0.0005**	J	**0.0007**	J	**0.0001**		0.0001	U	0.0001	U	**0.00042**		0.000277	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	**0.016**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.00601**		**0.0034**
70	63	Zinc (6010)	**0.01**		0.01	U	0.01	U	0.01	U	0.01	U	**0.0211**		0.01	U	**0.0146**		0.005	U	0.01 U
71	64																				
72	65	**MAJOR IONS AND CONVENTIONALS**																			
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**270**		**240**		**237**		**281**		**242**		**247**		**287**		**411**		**265**		**326**
81	74	Chloride (mg/L) (EPA 325.2)	**2**		**1.45**		**1.79**		**1.91**		0.5	U	0.5	U	0.5	U	**2.23**		**1.56**		**1.83**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																					
2							Dup of LW20S						Dup of LW20S								
3			LW20S		LW20S		X		LW20S		LW20S		X		LW20S		LW20S		LW20S		LW20S
4			FZ04M		0402115-02		0402115-01		0406050-11		0408056-09		0408056-01		0411059-02		0502110-06		P5F0666-03		P5H0813-01
5			10/28/03		2/24/04		2/24/04		6/8/04		8/09/04		8/09/04		11/10/04		2/24/05		6/15/05		08/18/05
87	80	**FIELD PARAMETERS**																			
88	81	pH (avg)	6.33		6.12		6.12		6.56		5.94		5.94		6.52		6.72		6.30		6.15
89	82	Temperature (° C) (avg)	16.5		11.6		11.7		14.5		16.9		16.4		16.1		13		14.7		15.5
90	83	Conductivity (um/hos)	445		314		314		445		717		718		385		196		245		526
91	84	Dissolved oxygen (mg/L) (avg)	1.79		1.82		1.79		1.94		1.51		2.13		1.4		0.47		0		NM
92	85																				
93	86	**DIOXINS AND FURANS (ng/L)**																			
94	87	**Method 8290**																			
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																					
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																					
2							Dup of LW20S						Dup of LW20S								
3			LW20S		LW20S		X		LW20S		LW20S		X		LW20S		LW20S		LW20S		LW20S
4			FZ04M		0402115-02		0402115-01		0406050-11		0408056-09		0408056-01		0411059-02		0502110-06		P5F0666-03		P5H0813-01
5			10/28/03		2/24/04		2/24/04		6/8/04		8/09/04		8/09/04		11/10/04		2/24/05		6/15/05		08/18/05
123		**PAHs (µg/L)**																			
124		**EPA Method SW8270 SIM**																			
125		Naphthalene	0.11	U	**0.429**		**0.518**		**0.85**		**0.39**		**0.392**		**0.554**		**0.45**		1.50	U	0.800 U
126		2-Methylnaphthalene	0.11	U	NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.11	U	**0.256**		**0.352**		**0.39**		**0.107**	J	**0.245**	J	**0.301**		**0.29**		0.500	U	0.300 U
128		Acenaphthene	1.3		**0.91**	J	**1.19**	J	**1.41**		**0.956**	J	**1.21**	J	**1.14**		**0.94**		**1.25**		**1.05**
129		Fluorene	3.3		**2.55**	J	**3.52**	J	**3.92**		**2.14**	J	**2.75**	J	**3.46**		**2.94**		**3.83**		**2.62**
130		Anthracene	0.14		**0.0716**		**0.0932**		**0.17**		**0.127**		**0.0979**		**0.0875**		**0.07**		0.250	U	0.150 U
131		Dibenzofuran	0.59		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			LW21S	
4			FZ04Q	
5			10/28/03	
6				
7	1	**CHLORINATED PHENOLS (µg/L)**		
8	2	**EPA Method SW8040**		
9	3	Pentachlorophenol	NA	
10	4	2,4,6-Trichlorophenol	NA	
11	5	2,3,6-Trichlorophenol	NA	
12	6	2,4,5-Trichlorophenol	NA	
13	7	2,3,4-Trichlorophenol	NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA	
15	9	2,3,4,5-Tetrachlorophenol	NA	
16	10			
17	11	**SEMIVOLATILES (µg/L)**		
18	12	**EPA Method SW8270**		
19	13	Phenol	**11**	
20	14	4-Methylphenol	1.2	U
21	15	Isophorone	1.2	U
22	16	2,4-Dimethylphenol	**5.4**	
23	17	Benzoic Acid	12	U
24	18	Naphthalene	**100**	
25	19	2-Methylnaphthalene	**46**	
26	20	2,4,6-Trichlorophenol	6	U
27	21	2,4,5-Trichlorophenol	6	U
28	22	Acenaphthene	1.2	U
29	23	Dibenzofuran	1.2	U
30	24	Fluorene	**1.9**	
31	25	Pentachlorophenol	6	U
32	26	bis(2-Ethylhexyl)phthalate	1.2	U
33	27			
34	28	**VOLATILES (µg/L)**		
35	29	**EPA Method SW8260**		
36	30	Acetone	5	U
37	31	Carbon Disulfide	1	U
38	32	2-Butanone	5	U
39	33	Benzene	**1600**	
40	34	Bromoform	1	U
41	35	Toluene	**72**	
42	36	Ethylbenzene	**940**	
43	37	Styrene	1	U
44	38	m,p-Xylene	**2400**	
45	39	o-Xylene	**770**	
46	40	1,3,5-Trimethylbenzene	**120**	
47	41	1,2,4-Trimethylbenzene	**540**	
48	42	Isopropylbenzene	**72**	
49	43	n-Propylbenzene	**110**	
50	44	tert-Butylbenzene	1	U
51	45	sec-Butylbenzene	1	U
52	46	4-Isopropyltoluene	1	U
53	47	n-Butylbenzene	**8**	
54	48	Naphthalene	**190**	
55	48.5	Methyl tert-butyl ether	**7.5**	M
56	49			
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**		
58	51	**Method OR-DEQ**		
59	52	**TPH-Diesel**	**4.3**	
60	53	**TPH-D Motor Oil**	0.5	U
61	54	**TPH-Gasoline**	**24**	
62	55			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			LW21S	
4			FZ04Q	
5			10/28/03	
63	56	**PRIORITY POLLUTANT**		
64	57	**METALS (mg/L)**		
65	58	Arsenic (7060)	**0.025**	
66	59	Chromium (6010)	0.005	U
67	60	Copper (6010)	**0.005**	
68	61	Lead (7421)	**0.005**	
69	62	Nickel (6010)	0.01	U
70	63	Zinc (6010)	**0.012**	
71	64			
72	65	**MAJOR IONS AND CONVENTIONALS**		
73	66	Calcium (mg/L) (6010)	NA	
74	67	Magnesium (mg/L) (6010)	NA	
75	68	Potassium (mg/L) (6010)	NA	
76	69	Sodium (mg/L) (6010)	NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**240**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.7**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA	
86	79			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			LW21S	
4			FZ04Q	
5			10/28/03	
87	80	**FIELD PARAMETERS**		
88	81	pH (avg)	6.54	
89	82	Temperature (° C) (avg)	16.4	
90	83	Conductivity (um/hos)	373	
91	84	Dissolved oxygen (mg/L) (avg)	1.25	
92	85			
93	86	**DIOXINS AND FURANS (ng/L)**		
94	87	**Method 8290**		
95	88	2,3,7,8-TCDF	NA	
96	89	Total TCDF	NA	
97	90	2,3,7,8-TCDD	NA	
98	91	Total TCDD	NA	
99	92	1,2,3,7,8-PeCDF	NA	
100	93	2,3,4,7,8-PeCDF	NA	
101	94	Total PeCDF	NA	
102	95	1,2,3,7,8-PeCDD	NA	
103	96	Total PeCDD	NA	
104	97	1,2,3,4,7,8-HxCDF	NA	
105	98	1,2,3,6,7,8-HxCDF	NA	
106	99	2,3,4,6,7,8-HxCDF	NA	
107	100	1,2,3,7,8,9-HxCDF	NA	
108	101	Total HxCDF	NA	
109	102	1,2,3,4,7,8-HxCDD	NA	
110	103	1,2,3,6,7,8-HxCDD	NA	
111	104	1,2,3,7,8,9-HxCDD	NA	
112	105	Total HxCDD	NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA	
115	108	Total HpCDF	NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA	
117	110	Total HpCDD	NA	
118	111	OCDF	NA	
119	112	OCDD	NA	
120				
121		**ETHANOL (mg/L)**	NA	
122				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			LW21S	
4			FZ04Q	
5			10/28/03	
123		**PAHs (µg/L)**		
124		**EPA Method SW8270 SIM**		
125		Naphthalene	100	
126		2-Methylnaphthalene	46	
127		Acenaphthylene	0.12	U
128		Acenaphthene	0.8	
129		Fluorene	2.1	
130		Anthracene	0.12	U
131		Dibenzofuran	0.57	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW27S		LW27S	
4			FZ04R		0406072-01	
5			10/28/03		6/10/04	
6						
7	1	**CHLORINATED PHENOLS (µg/L)**				
8	2	**EPA Method SW8040**				
9	3	Pentachlorophenol	NA		NA	
10	4	2,4,6-Trichlorophenol	NA		NA	
11	5	2,3,6-Trichlorophenol	NA		NA	
12	6	2,4,5-Trichlorophenol	NA		NA	
13	7	2,3,4-Trichlorophenol	NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		NA	
16	10					
17	11	**SEMIVOLATILES (µg/L)**				
18	12	**EPA Method SW8270**				
19	13	Phenol	2.4	U	1.93	U
20	14	4-Methylphenol	1.2	U	9.66	U
21	15	Isophorone	1.2	U	0.966	U
22	16	2,4-Dimethylphenol	3.7	U	2.9	U
23	17	Benzoic Acid	12	U	19.3	U
24	18	Naphthalene	1.2	U	0.966	U
25	19	2-Methylnaphthalene	1.2	U	0.966	U
26	20	2,4,6-Trichlorophenol	6.1	U	4.83	U
27	21	2,4,5-Trichlorophenol	6.1	U	4.83	U
28	22	Acenaphthene	**1.2**		**1.25**	
29	23	Dibenzofuran	1.2	U	0.966	U
30	24	Fluorene	**2.3**		**2.68**	
31	25	Pentachlorophenol	6.1	U	4.83	U
32	26	bis(2-Ethylhexyl)phthalate	1.2	U	0.966	U
33	27					
34	28	**VOLATILES (µg/L)**				
35	29	**EPA Method SW8260**				
36	30	Acetone	**6**		50	U
37	31	Carbon Disulfide	1	U	2	U
38	32	2-Butanone	5	U	10	U
39	33	Benzene	1	U	0.3	U
40	34	Bromoform	1	U	1	U
41	35	Toluene	1	U	1	U
42	36	Ethylbenzene	1	U	1	U
43	37	Styrene	1	U	1	U
44	38	m,p-Xylene	1	U	2	U
45	39	o-Xylene	1	U	1	U
46	40	1,3,5-Trimethylbenzene	1	U	1	U
47	41	1,2,4-Trimethylbenzene	1	U	1	U
48	42	Isopropylbenzene	**12**		**6.97**	
49	43	n-Propylbenzene	**13**		**9.41**	
50	44	tert-Butylbenzene	1	U	1	U
51	45	sec-Butylbenzene	**4**		**2.24**	
52	46	4-Isopropyltoluene	1	U	1	U
53	47	n-Butylbenzene	**3.3**		**2.24**	
54	48	Naphthalene	5	U	1	U
55	48.5	Methyl tert-butyl ether	1	U	1	U
56	49					
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**				
58	51	**Method OR-DEQ**				
59	52	**TPH-Diesel**	**4.4**		**6.95**	
60	53	**TPH-D Motor Oil**	0.5	U	0.498	U
61	54	**TPH-Gasoline**	**1.6**		**1.66**	
62	55					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW27S		LW27S	
4			FZ04R		0406072-01	
5			10/28/03		6/10/04	
63	56	**PRIORITY POLLUTANT**				
64	57	**METALS (mg/L)**				
65	58	Arsenic (7060)	**0.038**		**0.024**	
66	59	Chromium (6010)	0.005	U	**0.0144**	
67	60	Copper (6010)	**0.002**		0.01	U
68	61	Lead (7421)	**0.002**		0.0001	U
69	62	Nickel (6010)	0.01	U	0.005	U
70	63	Zinc (6010)	**0.008**		0.01	U
71	64					
72	65	**MAJOR IONS AND CONVENTIONALS**				
73	66	Calcium (mg/L) (6010)	NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**270**		**311**	
81	74	Chloride (mg/L) (EPA 325.2)	**1.9**		**1.9**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA	
86	79					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW27S		LW27S	
4			FZ04R		0406072-01	
5			10/28/03		6/10/04	
87	80	**FIELD PARAMETERS**				
88	81	pH (avg)	6.62		6.33	
89	82	Temperature (° C) (avg)	14.9		12.8	
90	83	Conductivity (um/hos)	400		413	
91	84	Dissolved oxygen (mg/L) (avg)	1.53		0.81	
92	85					
93	86	**DIOXINS AND FURANS (ng/L)**				
94	87	**Method 8290**				
95	88	2,3,7,8-TCDF	NA		NA	
96	89	Total TCDF	NA		NA	
97	90	2,3,7,8-TCDD	NA		NA	
98	91	Total TCDD	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA	
101	94	Total PeCDF	NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA	
103	96	Total PeCDD	NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA	
108	101	Total HxCDF	NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA	
112	105	Total HxCDD	NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA	
115	108	Total HpCDF	NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA	
117	110	Total HpCDD	NA		NA	
118	111	OCDF	NA		NA	
119	112	OCDD	NA		NA	
120						
121		**ETHANOL (mg/L)**	NA		NA	
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW27S		LW27S	
4			FZ04R		0406072-01	
5			10/28/03		6/10/04	
123		**PAHs (µg/L)**				
124		**EPA Method SW8270 SIM**				
125		Naphthalene	0.12	U	**1.28**	
126		2-Methylnaphthalene	0.12	U	NA	
127		Acenaphthylene	0.12	U	**0.21**	
128		Acenaphthene	1.1		**1.24**	
129		Fluorene	2.3		**2.89**	
130		Anthracene	0.16		**0.06**	
131		Dibenzofuran	0.71		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H
1								
2								
3			LW28S		LW28S		LW28S	
4			0402080-02		0406040-01		P5F0441-09	
5			2/17/04		6/7/04		6/9/05	
6								
7	1	**CHLORINATED PHENOLS (µg/L)**						
8	2	**EPA Method SW8040**						
9	3	Pentachlorophenol	NA		NA		NA	
10	4	2,4,6-Trichlorophenol	NA		NA		NA	
11	5	2,3,6-Trichlorophenol	NA		NA		NA	
12	6	2,4,5-Trichlorophenol	NA		NA		NA	
13	7	2,3,4-Trichlorophenol	NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA	
16	10							
17	11	**SEMIVOLATILES (µg/L)**						
18	12	**EPA Method SW8270**						
19	13	Phenol	1.92	U	1.94	U	5.00	U
20	14	4-Methylphenol	9.62	U	9.71	U	5.00	U
21	15	Isophorone	0.962	U	0.971	U	5.00	U
22	16	2,4-Dimethylphenol	2.89	U	2.91	U	10.00	U
23	17	Benzoic Acid	19.2	U	19.4	U	50.0	U
24	18	Naphthalene	0.962	U	0.971	U	5.00	U
25	19	2-Methylnaphthalene	0.962	U	0.971	U	5.00	U
26	20	2,4,6-Trichlorophenol	4.81	U	4.85	U	5.00	U
27	21	2,4,5-Trichlorophenol	4.81	U	4.85	U	5.00	U
28	22	Acenaphthene	0.962	U	0.971	U	5.00	U
29	23	Dibenzofuran	0.962	U	0.971	U	5.00	U
30	24	Fluorene	0.962	U	0.971	U	5.00	U
31	25	Pentachlorophenol	4.81	U	4.85	U	10	U
32	26	bis(2-Ethylhexyl)phthalate	0.962	U	0.971	U	10.00	U
33	27							
34	28	**VOLATILES (µg/L)**						
35	29	**EPA Method SW8260**						
36	30	Acetone	50	U	50	U	25.0	U
37	31	Carbon Disulfide	2	U	2	U	10.00	U
38	32	2-Butanone	10	U	10	U	10.00	U
39	33	Benzene	0.4	U	0.3	U	1.00	U
40	34	Bromoform	1	U	1	U	1.00	U
41	35	Toluene	1	U	1	U	1.00	U
42	36	Ethylbenzene	1	U	1	U	1.00	U
43	37	Styrene	1	U	1	U	1.00	U
44	38	m,p-Xylene	2	U	2	U	2.00	U
45	39	o-Xylene	1	U	1	U	1.00	U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1.00	U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1.00	U
48	42	Isopropylbenzene	1	U	1	U	2.00	U
49	43	n-Propylbenzene	1	U	1	U	1.00	U
50	44	tert-Butylbenzene	1	U	1	U	1.00	U
51	45	sec-Butylbenzene	1	U	1	U	1.00	U
52	46	4-Isopropyltoluene	1	U	1	U	2.00	U
53	47	n-Butylbenzene	1	U	1	U	5.00	U
54	48	Naphthalene	1	U	1	U	2.00	U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1.00	U
56	49							
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**						
58	51	**Method OR-DEQ**						
59	52	**TPH-Diesel**	0.242	U	**0.331**		0.25	U
60	53	**TPH-D Motor Oil**	0.484	U	0.513	U	0.5	U
61	54	**TPH-Gasoline**	0.1	U	0.1	U	0.08	U
62	55							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H
1								
2								
3			LW28S		LW28S		LW28S	
4			0402080-02		0406040-01		P5F0441-09	
5			2/17/04		6/7/04		6/9/05	
63	56	**PRIORITY POLLUTANT**						
64	57	**METALS (mg/L)**						
65	58	Arsenic (7060)	0.001	U	0.001	U	0.001	U
66	59	Chromium (6010)	0.005	U	0.005	U	0.001	U
67	60	Copper (6010)	0.01	U	0.01	U	0.002	U
68	61	Lead (7421)	0.0001	U	**0.0002**		0.001	U
69	62	Nickel (6010)	0.005	U	**0.0094**		**0.0124**	
70	63	Zinc (6010)	0.01	U	0.01	U	0.005	U
71	64							
72	65	**MAJOR IONS AND CONVENTIONALS**						
73	66	Calcium (mg/L) (6010)	NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**75**		**92**		**99**	
81	74	Chloride (mg/L) (EPA 325.2)	**1.17**		**1.04**		**2.25**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA	
86	79							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H
1								
2								
3			LW28S		LW28S		LW28S	
4			0402080-02		0406040-01		P5F0441-09	
5			2/17/04		6/7/04		6/9/05	
87	80	**FIELD PARAMETERS**						
88	81	pH (avg)	5.84		4.93		5.50	
89	82	Temperature (° C) (avg)	11.5		13.2		14.8	
90	83	Conductivity (um/hos)	61		67		80	
91	84	Dissolved oxygen (mg/L) (avg)	6.56		4.51		6.17	
92	85							
93	86	**DIOXINS AND FURANS (ng/L)**						
94	87	**Method 8290**						
95	88	2,3,7,8-TCDF	NA		NA		NA	
96	89	Total TCDF	NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA	
98	91	Total TCDD	NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA	
118	111	OCDF	NA		NA		NA	
119	112	OCDD	NA		NA		NA	
120								
121		**ETHANOL (mg/L)**	NA		NA		NA	
122								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H
1								
2								
3			LW28S		LW28S		LW28S	
4			0402080-02		0406040-01		P5F0441-09	
5			2/17/04		6/7/04		6/9/05	
123		**PAHs (µg/L)**						
124		**EPA Method SW8270 SIM**						
125		Naphthalene	**0.0675**	J	0.05	U	0.100	U
126		2-Methylnaphthalene	NA		NA		NA	
127		Acenaphthylene	0.0482	UJ	0.05	U	0.100	U
128		Acenaphthene	0.0482	UJ	0.05	U	0.100	U
129		Fluorene	0.0482	UJ	**0.0599**		0.100	U
130		Anthracene	0.0482	UJ	0.05	U	0.100	U
131		Dibenzofuran	NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S
4			FZ04C		0402080-08		0406050-06		0408006-06		0411047-02		0502059-02		P5F0343-04		P5H0625-08
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/15/05		6/8/05		08/15/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	2	U	1.96	U	2.01	U	1.94	U	2.07	U	1.96	U	5.00	U	5.71 U
20	14	4-Methylphenol	1	U	9.79	U	10.1	U	9.71	U	10.4	U	9.8	U	5.00	U	5.71 U
21	15	Isophorone	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
22	16	2,4-Dimethylphenol	3	U	2.94	U	3.02	U	2.91	U	3.11	U	2.94	U	10.00	U	11.4 U
23	17	Benzoic Acid	10	U	19.6	U	20.1	U	19.4	U	20.7	U	19.6	U	50.0	U	57.1 U
24	18	Naphthalene	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
25	19	2-Methylnaphthalene	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
26	20	2,4,6-Trichlorophenol	5	U	4.9	U	5.04	U	4.85	U	5.18	U	4.9	U	5.00	U	5.71 U
27	21	2,4,5-Trichlorophenol	5	U	4.9	U	5.04	U	4.85	U	5.18	U	4.9	U	5.00	U	5.71 U
28	22	Acenaphthene	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
29	23	Dibenzofuran	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
30	24	Fluorene	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	5.00	U	5.71 U
31	25	Pentachlorophenol	5	U	4.9	U	5.04	U	4.85	U	5.18	U	4.9	U	10	U	6 UJ
32	26	bis(2-Ethylhexyl)phthalate	1	U	0.979	U	1.01	U	0.971	U	1.04	U	0.98	U	10.00	U	11.4 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	5	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	U	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
49	43	n-Propylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
50	44	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
52	46	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	5.00	U	5.00 U
54	48	Naphthalene	5	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	0.25	U	0.243	U	0.255	U	**0.337**		**0.36**		0.242	U	0.25	U	0.250 U
60	53	**TPH-D Motor Oil**	0.5	U	0.485	U	0.511	U	0.481	U	0.503	U	0.484	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	0.25	U	0.1	U	0.1	U	0.1	U	0.1	U	**0.108**		0.08	U	0.08 U
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S
4			FZ04C		0402080-08		0406050-06		0408006-06		0411047-02		0502059-02		P5F0343-04		P5H0625-08
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/15/05		6/8/05		08/15/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	**0.002**		**0.002**		**0.001**		0.00269	U	**0.00329**		**0.00234**		**0.00196**		**0.00205**
66	59	Chromium (6010)	0.005	U	0.005	U	**0.0178**		**0.0171**		**0.0169**		**0.0088**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.00328**		**0.00274**
70	63	Zinc (6010)	**0.007**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**91**		**98**		**103**		**79**		**135**		**134**		**136**		**149**
81	74	Chloride (mg/L) (EPA 325.2)	**1.8**		**1.03**		**1.32**		**1.4**		**1.37**		**5.44**		**1.78**		**1.47**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S
4			FZ04C		0402080-08		0406050-06		0408006-06		0411047-02		0502059-02		P5F0343-04		P5H0625-08
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/15/05		6/8/05		08/15/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.56		6.65		6.65		5.72		6.66		6.81		6.51		6.73
89	82	Temperature (° C) (avg)	14.7		12.7		13.6		15.4		14.5		12.9		15.2		16.8
90	83	Conductivity (um/hos)	112		129		88		151		136		102		177		167
91	84	Dissolved oxygen (mg/L) (avg)	1.44		2.33		2.36		NM		0.96		1.38		7.52		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S		LW29S
4			FZ04C		0402080-08		0406050-06		0408006-06		0411047-02		0502059-02		P5F0343-04		P5H0625-08
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/15/05		6/8/05		08/15/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	0.1	U	0.0489	UJ	0.05	U	**0.06**		0.0529	U	0.0507	U	0.100	U	0.100 U
126		2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.1	U	0.0489	UJ	0.05	U	0.05	U	0.0529	U	0.0507	U	0.100	U	0.100 U
128		Acenaphthene	0.1	U	0.0489	UJ	0.05	U	0.05	U	0.0529	U	0.0507	U	0.100	U	0.100 U
129		Fluorene	0.1	U	0.0489	UJ	0.05	U	0.05	U	0.0529	U	0.0507	U	0.100	U	0.100 U
130		Anthracene	0.1	U	0.0489	UJ	0.05	U	0.05	U	0.0529	U	0.0507	U	0.100	U	0.100 U
131		Dibenzofuran	0.1	U	NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of LW30S														
3			LW30S		X		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S
4			FZ04E		FZ04L		0402085-01		0406050-08		0408020-04		0411047-04		0502059-03		P5F0441-07		P5H0625-03
5			10/27/03		10/27/03		2/18/04		6/8/04		8/03/04		11/8/04		2/15/05		6/9/05		08/15/05
7	1	**CHLORINATED PHENOLS (µg/L)**																	
8	2	**EPA Method SW8040**																	
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																		
17	11	**SEMIVOLATILES (µg/L)**																	
18	12	**EPA Method SW8270**																	
19	13	Phenol	2.2	U	2.2	U	1.95	U	1.97	U	1.94	U	1.96	U	2.04	U	5.00	U	5.00 U
20	14	4-Methylphenol	1.1	U	1.1	U	9.75	U	9.85	U	9.69	U	9.78	U	10.2	U	5.00	U	5.00 U
21	15	Isophorone	1.1	U	1.1	U	0.975	U	0.985	U	0.969	U	0.978	U	1.02	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.3	U	3.3	U	2.92	U	2.96	U	2.91	U	2.93	U	3.06	U	10.00	U	10.0 U
23	17	Benzoic Acid	11	U	11	U	19.5	U	19.7	U	19.4	U	19.6	U	20.4	U	50.0	U	50.0 U
24	18	Naphthalene	1.1	U	1.1	U	0.975	U	0.985	U	0.969	U	0.978	U	1.02	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1.1	U	1.1	U	0.975	U	0.985	U	0.969	U	0.978	U	1.02	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.5	U	5.4	U	4.87	U	4.93	U	4.84	U	4.89	U	5.11	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.5	U	5.4	U	4.87	U	4.93	U	4.84	U	4.89	U	5.11	U	5.00	U	5.00 U
28	22	Acenaphthene	1.1	U	1.1	U	0.975	U	**1.02**		0.969	U	0.978	U	1.02	U	5.00	U	5.00 U
29	23	Dibenzofuran	1.1	U	1.1	U	0.975	U	0.985	U	0.969	U	0.978	U	1.02	U	5.00	U	5.00 U
30	24	Fluorene	**1.4**		**1.5**		**1.39**		**2.02**		1.05	U	0.978	U	1.02	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5.5	U	5.4	U	4.87	U	4.93	U	4.84	U	4.89	U	5.11	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1.1	U	**1.7**		0.975	U	0.985	U	0.969	U	0.978	U	1.02	U	10.00	U	10.0 U
33	27																		
34	28	**VOLATILES (µg/L)**																	
35	29	**EPA Method SW8260**																	
36	30	Acetone	5	U	5	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	5	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	**1**		2	U	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	**1.3**		1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**9.8**		**9.6**		**7.32**		**8.76**		**7.68**	J	**4.67**		**2.96**		**4.93**		**3.70**
49	43	n-Propylbenzene	**25**		**23**		**26.7**		**36.4**		**27.8**	J	**28**		**17.2**		**13.7**		**9.96**
50	44	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	**2.25**		1.00	U	1.00 U
51	45	sec-Butylbenzene	**2.5**		**2.4**		**1.64**		**2.3**		**2.48**	J	**1.17**		**3.13**		**1.56**		**1.38**
52	46	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**3.5**		**3.2**	M	**3.13**		**3.98**		**3.46**	J	**3.55**		**4.75**		5.00	U	5.00 U
54	48	Naphthalene	5	U	5	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																		
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																	
58	51	**Method OR-DEQ**																	
59	52	**TPH-Diesel**	**0.87**		**0.86**		**2.06**		**2.23**		**1.44**		**0.747**		**1.34**		**0.427**		**0.349**
60	53	**TPH-D Motor Oil**	0.5	U	0.5	U	0.486	U	0.497	U	0.493	U	0.491	U	0.496	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**0.84**		**0.89**		**0.90**		**1.0**		**0.719**		**0.637**		**0.927**		**0.225**		**0.271**
62	55																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of LW30S														
3			LW30S		X		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S
4			FZ04E		FZ04L		0402085-01		0406050-08		0408020-04		0411047-04		0502059-03		P5F0441-07		P5H0625-03
5			10/27/03		10/27/03		2/18/04		6/8/04		8/03/04		11/8/04		2/15/05		6/9/05		08/15/05
63	56	**PRIORITY POLLUTANT**																	
64	57	**METALS (mg/L)**																	
65	58	Arsenic (7060)	**0.013**		**0.013**		**0.018**		**0.015**		**0.0163**		**0.0141**		**0.0155**		**0.017**		**0.014**
66	59	Chromium (6010)	0.005	U	0.005	U	**0.008**		0.005	U	**0.0147**		**0.0229**		**0.0059**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.002	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.001	U	0.001	U	**0.0015**		**0.0012**		**0.00079**		**0.00076**		**0.00141**		0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0021**		0.001 U
70	63	Zinc (6010)	0.006	U	**0.007**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.0056**		0.01 U
71	64																		
72	65	**MAJOR IONS AND CONVENTIONALS**																	
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**130**		**140**		**173**		**179**		**199**		**168**		**177**		**203**		**185**
81	74	Chloride (mg/L) (EPA 325.2)	**1.3**		**1.3**		**1.35**		**1.41**		**1.2**		**1.35**		**1.6**		**1.47**		**1.28**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of LW30S														
3			LW30S		X		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S
4			FZ04E		FZ04L		0402085-01		0406050-08		0408020-04		0411047-04		0502059-03		P5F0441-07		P5H0625-03
5			10/27/03		10/27/03		2/18/04		6/8/04		8/03/04		11/8/04		2/15/05		6/9/05		08/15/05
87	80	**FIELD PARAMETERS**																	
88	81	pH (avg)	6.59		6.59		6.64		6.67		6.06		6.84		6.94		6.26		5.89
89	82	Temperature (° C) (avg)	14.7		14.7		13.5		13.6		15.5		14.3		12.9		13.8		15.3
90	83	Conductivity (um/hos)	192		193		239		210		298		176		180		325		238
91	84	Dissolved oxygen (mg/L) (avg)	2.46		2.27		1.22		2.55		2.24		0.31		5.08		7.41		NM
92	85																		
93	86	**DIOXINS AND FURANS (ng/L)**																	
94	87	**Method 8290**																	
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA
120																			
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA
122																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of LW30S														
3			LW30S		X		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S		LW30S
4			FZ04E		FZ04L		0402085-01		0406050-08		0408020-04		0411047-04		0502059-03		P5F0441-07		P5H0625-03
5			10/27/03		10/27/03		2/18/04		6/8/04		8/03/04		11/8/04		2/15/05		6/9/05		08/15/05
123		**PAHs (µg/L)**																	
124		**EPA Method SW8270 SIM**																	
125		Naphthalene	0.11	U	0.11	U	**0.379**		**0.51**		**0.55**		**0.308**		**0.261**		0.800	U	0.350 U
126		2-Methylnaphthalene	0.11	U	0.11	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.11	U	0.11	U	**0.126**		**0.19**		**0.32**		**0.0866**		**0.0965**		2.00	U	0.150 U
128		Acenaphthene	0.84		0.84		**0.864**		**0.83**		**0.64**		**0.404**		**0.425**		2.00	U	**0.456**
129		Fluorene	1.6		1.7		**1.38**		**1.54**		**1.15**		**0.799**		**0.772**		2.00	U	**0.744**
130		Anthracene	0.11	U	0.11	U	**0.0583**		**0.08**		**0.09**		**0.0481**		**0.0579**		0.100	U	0.100 U
131		Dibenzofuran	0.8		0.82		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S
4			FZ04G		0402080-03		0406050-02		0408006-02		0411052-02		0502056-01		P5F0441-11		P5H0734-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/9/05		08/17/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	2	U	1.93	U	1.9	U	1.9	U	1.97	U	1.93	U	5.00	U	5.00 U
20	14	4-Methylphenol	1	U	9.66	U	9.52	U	9.52	U	9.85	U	9.65	U	5.00	U	5.00 U
21	15	Isophorone	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3	U	2.9	U	2.86	U	2.86	U	2.96	U	2.9	U	10.00	U	10.0 U
23	17	Benzoic Acid	10	U	19.3	U	19	U	19	U	19.7	U	19.3	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.1	U	4.83	U	4.76	U	4.76	U	4.93	U	4.83	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.1	U	4.83	U	4.76	U	4.76	U	4.93	U	4.83	U	5.00	U	5.00 U
28	22	Acenaphthene	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
29	23	Dibenzofuran	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
30	24	Fluorene	1	U	0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5.1	U	4.83	U	4.76	U	4.76	U	4.93	U	4.83	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	**2.4**		0.966	U	0.952	U	0.952	U	0.985	U	0.965	U	10.00	U	10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	5	U	50	UJ	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	UJ	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	UJ	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	0.4	UJ	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	UJ	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	2.00	U	2.00 U
49	43	n-Propylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
50	44	tert-Butylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
52	46	4-Isopropyltoluene	1	U	1	UJ	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	5.00	U	5.00 U
54	48	Naphthalene	5	U	1	UJ	1	U	1	U	1	U	1	U	2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	**0.59**		0.242	U	**0.469**		**0.576**		**0.568**		**0.261**		0.25	U	0.250 U
60	53	**TPH-D Motor Oil**	0.5	U	0.483	U	0.492	U	0.475	U	**0.593**		0.5	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	0.25	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.08	U	0.08 U
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S
4			FZ04G		0402080-03		0406050-02		0408006-02		0411052-02		0502056-01		P5F0441-11		P5H0734-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/9/05		08/17/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	0.001	U	0.001	U	0.001	U	0.00148	U	**0.00136**		**0.00109**		0.001	U	**0.00103**
66	59	Chromium (6010)	0.005	U	0.005	U	**0.0187**		**0.0138**		**0.0182**		**0.0056**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.001	U	0.0001	U	0.0001	U	0.0001	U	**0.00018**		0.0001	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0024**		**0.00199**
70	63	Zinc (6010)	**0.008**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**140**		**101**		**143**		**100**		**160**		**124**		**112**		**120**
81	74	Chloride (mg/L) (EPA 325.2)	**1.7**		**1.08**		**2.53**		**2.96**		**1.82**		**1.63**		**1.19**		**0.93**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
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DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S
4			FZ04G		0402080-03		0406050-02		0408006-02		0411052-02		0502056-01		P5F0441-11		P5H0734-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/9/05		08/17/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	5.90		6.15		5.86		5.7		6.38		6.48		5.96		5.69
89	82	Temperature (° C) (avg)	14.7		12.8		13		15.2		14.3		11.6		13.9		14.7
90	83	Conductivity (um/hos)	187		98		128		215		161		94		126		88
91	84	Dissolved oxygen (mg/L) (avg)	3.10		4.42		2.6		NM		1.98		1.71		10.08		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S		LW31S
4			FZ04G		0402080-03		0406050-02		0408006-02		0411052-02		0502056-01		P5F0441-11		P5H0734-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/9/05		08/17/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	0.1	U	0.0486	UJ	0.05	U	0.05	U	0.0521	U	0.0479	U	0.111	U	0.100 U
126		2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.1	U	0.0486	UJ	0.05	U	0.05	U	0.0521	U	0.0479	U	0.111	U	0.100 U
128		Acenaphthene	0.1	U	0.0486	UJ	0.05	U	0.05	U	0.0521	U	0.0479	U	0.111	U	0.100 U
129		Fluorene	0.1	U	0.0486	UJ	0.05	U	0.05	U	0.0521	U	0.0479	U	0.111	U	0.100 U
130		Anthracene	0.1	U	0.0486	UJ	0.05	U	0.05	U	0.0521	U	0.0479	U	0.111	U	0.100 U
131		Dibenzofuran	0.1	U	NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S
4			FZ04H		0402080-05		0406050-04		0408006-04		0411052-03		0502056-04		P5F0343-01		P5H0701-03
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/8/05		08/16/05
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	2.1	U	1.96	U	1.99	U	1.94	U	1.98	U	1.97	U	5.00	U	5.00 U
20	14	4-Methylphenol	1	U	9.8	U	9.93	U	9.7	U	9.91	U	9.86	U	5.00	U	5.00 U
21	15	Isophorone	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.1	U	2.94	U	2.98	U	2.91	U	2.97	U	2.96	U	10.00	U	10.0 U
23	17	Benzoic Acid	10	U	19.6	U	19.9	U	19.4	U	19.8	U	19.7	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.2	U	4.9	U	4.97	U	4.85	U	4.96	U	4.93	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.2	U	4.9	U	4.97	U	4.85	U	4.96	U	4.93	U	5.00	U	5.00 U
28	22	Acenaphthene	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
29	23	Dibenzofuran	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
30	24	Fluorene	1	U	0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5.2	U	4.9	U	4.97	U	4.85	U	4.96	U	4.93	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	**2.1**		0.98	U	0.993	U	0.97	U	0.991	U	0.986	U	**549**		10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	5	U	50	UJ	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	UJ	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	UJ	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	0.4	UJ	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	UJ	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	UJ	1	U	1	U	**1.6**		1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**18**		**4.27**	J	**7.05**		**19.4**	J	**37.5**		**40.2**		**10.6**		**20.2**
49	43	n-Propylbenzene	**20**		**4.87**	J	**9.16**		**20.5**	J	**50.6**		**55.9**		**11.6**		**22.9**
50	44	tert-Butylbenzene	**1**		1	UJ	1	U	1	U	**1.58**		**3.84**		**1.09**		**1.81**
51	45	sec-Butylbenzene	**6.5**		**2.52**	J	**3.73**		**8.65**	J	**12**		**20.6**		**6.19**		**10.2**
52	46	4-Isopropyltoluene	1	U	1	UJ	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**6.1**		**2.24**	J	**2.69**		**8.47**	J	**10.7**		**18.2**		**5.70**		**10.6**
54	48	Naphthalene	5	U	1	UJ	1	U	1	U	1	U	**3.36**		2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	UJ	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	**3.3**		**1.84**		**3.48**		**4.24**		**4.44**		**3.13**		**0.562**		**0.987**
60	53	**TPH-D Motor Oil**	0.5	U	0.488	U	0.5	U	0.488	U	**0.721**		0.5	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**1.8**		**1.1**		**1.17**		**1.33**		**2.87**		**4.67**		**0.971**		**0.807**
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S
4			FZ04H		0402080-05		0406050-04		0408006-04		0411052-03		0502056-04		P5F0343-01		P5H0701-03
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/8/05		08/16/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	**0.034**		**0.023**		**0.026**		**0.0314**		**0.0303**		**0.0302**		**0.0202**		**0.0254**
66	59	Chromium (6010)	0.005	U	**0.0124**		**0.0162**		**0.0125**		**0.0175**		0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	**0.00117**
68	61	Lead (7421)	0.001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0147**		**0.00205**
70	63	Zinc (6010)	**0.008**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**250**		**196**		**232**		**290**		**273**		**252**		**273**		**289**
81	74	Chloride (mg/L) (EPA 325.2)	**2.8**		**1.71**		**3.19**		**27**		**2.39**		**2.2**		**7.28**		**8.29**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S
4			FZ04H		0402080-05		0406050-04		0408006-04		0411052-03		0502056-04		P5F0343-01		P5H0701-03
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/8/05		08/16/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.35		6.46		6.36		6.09		6.71		6.78		6.36		6.65
89	82	Temperature (° C) (avg)	14.6		12.8		13.4		14.4		14.4		13.1		12.8		13.8
90	83	Conductivity (um/hos)	409		265		316		637		380		248		467		397
91	84	Dissolved oxygen (mg/L) (avg)	1.65		1.65		1.45		NM		1.32		0.1		5.60		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**					NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S		LW32S
4			FZ04H		0402080-05		0406050-04		0408006-04		0411052-03		0502056-04		P5F0343-01		P5H0701-03
5			10/27/03		2/17/04		6/8/04		8/02/04		11/9/04		2/14/05		6/8/05		08/16/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	0.1	U	**0.498**	J	**0.63**		**1.78**		**0.9**		**1.09**		2.00	U	4.00 U
126		2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.1	U	**0.0976**	J	**0.08**		**0.4**		**0.108**		**0.189**		2.00	U	1.00 U
128		Acenaphthene	0.52		**0.38**	J	**0.3**		0.05	U	**0.47**		**0.726**		2.00	U	1.00 U
129		Fluorene	0.67		**0.488**	J	**0.36**		**0.1**		**0.705**		**0.905**		2.00	U	**1.03**
130		Anthracene	0.1	U	0.0488	UJ	**0.05**		**0.1**		0.0489	U	0.0497	U	0.100	U	0.200 U
131		Dibenzofuran	0.38		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3			LW33S		LW33S		LW33S		LW33S		LW33S		LW33S
4			0402080-04		0406050-03		0408006-03		0502099-06		P5F0343-03		P5H0701-02
5			2/17/04		6/8/04		8/02/04		2/22/05		6/8/05		08/16/05
7	1	**CHLORINATED PHENOLS (µg/L)**											
8	2	**EPA Method SW8040**											
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA
16	10												
17	11	**SEMIVOLATILES (µg/L)**											
18	12	**EPA Method SW8270**											
19	13	Phenol	1.94	U	1.94	U	1.93	U	1.94	U	5.00	U	5.00 U
20	14	4-Methylphenol	9.68	U	9.71	U	9.64	U	9.68	U	5.00	U	5.00 U
21	15	Isophorone	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	2.9	U	2.91	U	2.89	U	2.9	U	10.00	U	10.0 U
23	17	Benzoic Acid	19.4	U	19.4	U	19.3	U	19.4	U	50.0	U	50.0 U
24	18	Naphthalene	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	4.84	U	4.85	U	4.82	U	4.84	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	4.84	U	4.85	U	4.82	U	4.84	U	5.00	U	5.00 U
28	22	Acenaphthene	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
29	23	Dibenzofuran	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
30	24	Fluorene	0.968	U	0.971	U	0.964	U	0.968	U	5.00	U	5.00 U
31	25	Pentachlorophenol	4.84	U	4.85	U	4.82	U	4.84	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	0.968	U	0.971	U	**1.99**		0.968	U	10.00	U	10.0 U
33	27												
34	28	**VOLATILES (µg/L)**											
35	29	**EPA Method SW8260**											
36	30	Acetone	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	0.4	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	1	U	1	U	1	U	1	U	2.00	U	2.00 U
49	43	n-Propylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
50	44	tert-Butylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	1	U	1	U	1	U	1	U	1.00	U	1.00 U
52	46	4-Isopropyltoluene	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	1	U	1	U	1	U	1	U	5.00	U	5.00 U
54	48	Naphthalene	1	U	1	U	1	U	1	U	2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49												
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**											
58	51	**Method OR-DEQ**											
59	52	**TPH-Diesel**	0.247	U	0.244	U	0.241	U	0.243	U	0.25	U	0.250 U
60	53	**TPH-D Motor Oil**	0.494	U	0.487	U	0.482	U	0.669	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	0.1	U	0.1	U	0.1	U	0.1	U	0.08	U	0.08 U
62	55												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3			LW33S		LW33S		LW33S		LW33S		LW33S		LW33S
4			0402080-04		0406050-03		0408006-03		0502099-06		P5F0343-03		P5H0701-02
5			2/17/04		6/8/04		8/02/04		2/22/05		6/8/05		08/16/05
63	56	**PRIORITY POLLUTANT**											
64	57	**METALS (mg/L)**											
65	58	Arsenic (7060)	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001 U
66	59	Chromium (6010)	**0.0113**		0.005	U	0.005	U	**0.0079**		0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.0001	U	0.0001	U	0.0001	U	**0.000251**		0.001	U	0.001 U
69	62	Nickel (6010)	0.005	U	0.005	U	0.005	U	0.005	U	**0.0027**		**0.00278**
70	63	Zinc (6010)	**0.0111**		0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64												
72	65	**MAJOR IONS AND CONVENTIONALS**											
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**105**		**150**		**100**		**135**		**130**		**130**
81	74	Chloride (mg/L) (EPA 325.2)	**1.39**		**1.93**		**2.19**		**1.42**		**1.74**		**1.74**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA
86	79												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3			LW33S		LW33S		LW33S		LW33S		LW33S		LW33S
4			0402080-04		0406050-03		0408006-03		0502099-06		P5F0343-03		P5H0701-02
5			2/17/04		6/8/04		8/02/04		2/22/05		6/8/05		08/16/05
87	80	**FIELD PARAMETERS**											
88	81	pH (avg)	6.18		6.08		5.23		6.85		6.53		5.97
89	82	Temperature (° C) (avg)	11.7		14.2		16.8		13.1		15.0		15.9
90	83	Conductivity (um/hos)	113		140		235		77		123		145
91	84	Dissolved oxygen (mg/L) (avg)	4.61		1.85		NM		1.94		4.44		NM
92	85												
93	86	**DIOXINS AND FURANS (ng/L)**											
94	87	**Method 8290**											
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA
120													
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA
122													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3			LW33S		LW33S		LW33S		LW33S		LW33S		LW33S
4			0402080-04		0406050-03		0408006-03		0502099-06		P5F0343-03		P5H0701-02
5			2/17/04		6/8/04		8/02/04		2/22/05		6/8/05		08/16/05
123		**PAHs (µg/L)**											
124		**EPA Method SW8270 SIM**											
125		Naphthalene	0.0483	UJ	0.05	U	0.05	U	0.0486	U	0.111	U	0.100 U
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.0483	UJ	0.05	U	0.05	U	0.0486	U	0.111	U	0.100 U
128		Acenaphthene	0.0483	UJ	0.05	U	0.05	U	0.0486	U	0.111	U	0.100 U
129		Fluorene	0.0483	UJ	0.05	U	0.05	U	0.0486	U	0.111	U	0.100 U
130		Anthracene	0.0483	UJ	0.05	U	**0.05**		0.0486	U	0.111	U	0.100 U
131		Dibenzofuran	NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S
4			FZ04J		0402080-01		0406050-01		0408006-01		0411047-01		0502099-07		P5F0441-06		P5H0701-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/22/05		6/9/05		08/16/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	2	U	1.93	U	1.97	U	1.97	U	2	U	1.92	U	5.00	U	5.00 U
20	14	4-Methylphenol	1	U	9.65	U	9.85	U	9.83	U	10	U	9.62	U	5.00	U	5.00 U
21	15	Isophorone	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.1	U	2.9	U	2.96	U	2.95	U	3	U	2.88	U	10.00	U	10.0 U
23	17	Benzoic Acid	10	U	19.3	U	19.7	U	19.7	U	20	U	19.2	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.1	U	4.83	U	4.93	U	4.92	U	5	U	4.81	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.1	U	4.83	U	4.93	U	4.92	U	5	U	4.81	U	5.00	U	5.00 U
28	22	Acenaphthene	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
29	23	Dibenzofuran	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
30	24	Fluorene	1	U	0.965	U	0.985	U	0.983	U	1	U	0.962	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5.1	U	4.83	U	4.93	U	4.92	U	5	U	4.81	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	**4.9**		0.965	U	0.985	U	0.983	U	1	U	0.962	U	10.00	U	10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	5	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	1	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	5	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	1	U	0.4	U	0.3	U	0.3	U	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	1	U	2	U	2	U	2	U	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	**1.18**
48	42	Isopropylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
49	43	n-Propylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
50	44	tert-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
51	45	sec-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
52	46	4-Isopropyltoluene	1	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	1	U	1	U	1	U	1	U	1	U	1	U	5.00	U	5.00 U
54	48	Naphthalene	5	U	1	U	1	U	1	U	1	U	1	U	2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	0.25	U	0.242	U	0.242	U	0.242	U	0.251	U	0.248	U	0.25	U	0.250 U
60	53	**TPH-D Motor Oil**	0.5	U	0.484	U	0.484	U	0.483	U	0.501	U	0.495	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	0.25	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.08	U	0.08 U
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S
4			FZ04J		0402080-01		0406050-01		0408006-01		0411047-01		0502099-07		P5F0441-06		P5H0701-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/22/05		6/9/05		08/16/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	**0.001**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001 U
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	**0.0116**		0.005	U	**0.008**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.001	U	0.0001	U	**0.0002**		0.0001	U	0.00015	U	0.0001	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.00377**		**0.00337**
70	63	Zinc (6010)	**0.009**		0.01	U	0.01	U	**0.0133**		0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**180**		**121**		**201**		**149**		**201**		**195**		**175**		**158**
81	74	Chloride (mg/L) (EPA 325.2)	**2.9**		**1.29**		**2.85**		**2.98**		**2.62**		**2.72**		**1.83**		**1.49**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S
4			FZ04J		0402080-01		0406050-01		0408006-01		0411047-01		0502099-07		P5F0441-06		P5H0701-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/22/05		6/9/05		08/16/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.01		6.42		6.03		6.41		5.8		6.58		6.22		6.20
89	82	Temperature (° C) (avg)	15.4		12.2		13.8		15		15.1		13.5		15.3		15.5
90	83	Conductivity (um/hos)	234		142		218		303		207		167		167		169
91	84	Dissolved oxygen (mg/L) (avg)	2.62		5.01		1.43		NM		1.38		1.12		4.66		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S		LW34S
4			FZ04J		0402080-01		0406050-01		0408006-01		0411047-01		0502099-07		P5F0441-06		P5H0701-01
5			10/27/03		2/17/04		6/8/04		8/02/04		11/8/04		2/22/05		6/9/05		08/16/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	0.1	U	0.049	UJ	0.05	U	0.05	U	0.0498	U	0.0489	U	0.100	U	0.100 U
126		2-Methylnaphthalene	0.1	U	NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	0.1	U	0.049	UJ	0.05	U	0.05	U	0.0498	U	0.0489	U	0.100	U	0.100 U
128		Acenaphthene	0.1	U	0.049	UJ	0.05	U	0.05	U	0.0498	U	0.0489	U	0.100	U	0.100 U
129		Fluorene	0.1	U	0.049	UJ	0.05	U	0.05	U	0.0498	U	0.0489	U	0.100	U	0.100 U
130		Anthracene	0.1	U	0.049	UJ	0.05	U	0.05	U	0.0498	U	0.0489	U	0.100	U	0.100 U
131		Dibenzofuran	0.1	U	NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW40S	
4			0411047-06		P5F0554-04	
5			11/8/04		6/13/05	
6						
7	1	**CHLORINATED PHENOLS (µg/L)**				
8	2	**EPA Method SW8040**				
9	3	Pentachlorophenol	5.13		NA	
10	4	2,4,6-Trichlorophenol	NA		NA	
11	5	2,3,6-Trichlorophenol	NA		NA	
12	6	2,4,5-Trichlorophenol	NA		NA	
13	7	2,3,4-Trichlorophenol	NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		NA	
16	10					
17	11	**SEMIVOLATILES (µg/L)**				
18	12	**EPA Method SW8270**				
19	13	Phenol	2.05		5.00	U
20	14	4-Methylphenol	10.3		5.00	U
21	15	Isophorone	1.03		5.00	U
22	16	2,4-Dimethylphenol	3.08		10.00	U
23	17	Benzoic Acid	20.5		50.0	U
24	18	Naphthalene	1.03		5.00	U
25	19	2-Methylnaphthalene	1.03		5.00	U
26	20	2,4,6-Trichlorophenol	5.13		5.00	U
27	21	2,4,5-Trichlorophenol	5.13		5.00	U
28	22	Acenaphthene	**1.59**		5.00	U
29	23	Dibenzofuran	1.03		5.00	U
30	24	Fluorene	**3.36**		5.00	U
31	25	Pentachlorophenol	NA		10	U
32	26	bis(2-Ethylhexyl)phthalate	1.03		10.00	U
33	27					
34	28	**VOLATILES (µg/L)**				
35	29	**EPA Method SW8260**				
36	30	Acetone	50		25.0	U
37	31	Carbon Disulfide	2		10.00	U
38	32	2-Butanone	10		10.00	U
39	33	Benzene	**1.22**		1.00	U
40	34	Bromoform	1		1.00	U
41	35	Toluene	1		1.00	U
42	36	Ethylbenzene	1		1.00	U
43	37	Styrene	1		1.00	U
44	38	m,p-Xylene	2		2.00	U
45	39	o-Xylene	1		1.00	U
46	40	1,3,5-Trimethylbenzene	1		1.00	U
47	41	1,2,4-Trimethylbenzene	1		1.00	U
48	42	Isopropylbenzene	**8.96**		2.00	U
49	43	n-Propylbenzene	**41.1**		1.00	U
50	44	tert-Butylbenzene	1		1.00	U
51	45	sec-Butylbenzene	**3.67**		1.00	U
52	46	4-Isopropyltoluene	1		2.00	U
53	47	n-Butylbenzene	**9.75**		5.00	U
54	48	Naphthalene	1		2.00	U
55	48.5	Methyl tert-butyl ether	1		1.00	U
56	49					
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**				
58	51	**Method OR-DEQ**				
59	52	**TPH-Diesel**	**2.23**		0.25	UJ
60	53	**TPH-D Motor Oil**	0.505		0.5	UJ
61	54	**TPH-Gasoline**	**1.72**		0.08	U
62	55					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW40S	
4			0411047-06		P5F0554-04	
5			11/8/04		6/13/05	
63	56	**PRIORITY POLLUTANT**				
64	57	**METALS (mg/L)**				
65	58	Arsenic (7060)	**0.0152**		0.001	U
66	59	Chromium (6010)	**0.0215**		0.001	U
67	60	Copper (6010)	0.01		0.002	U
68	61	Lead (7421)	**0.00336**		0.001	U
69	62	Nickel (6010)	0.005		**0.00557**	
70	63	Zinc (6010)	0.01		0.005	U
71	64					
72	65	**MAJOR IONS AND CONVENTIONALS**				
73	66	Calcium (mg/L) (6010)	NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**235**		**184**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.05**		**1.39**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA	
86	79					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW40S	
4			0411047-06		P5F0554-04	
5			11/8/04		6/13/05	
87	80	**FIELD PARAMETERS**				
88	81	pH (avg)	6.56		5.49	
89	82	Temperature (° C) (avg)	14.9		14.1	
90	83	Conductivity (um/hos)	283		126	
91	84	Dissolved oxygen (mg/L) (avg)	0.74		10.88	
92	85					
93	86	**DIOXINS AND FURANS (ng/L)**				
94	87	**Method 8290**				
95	88	2,3,7,8-TCDF	NA		NA	
96	89	Total TCDF	NA		NA	
97	90	2,3,7,8-TCDD	NA		NA	
98	91	Total TCDD	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA	
101	94	Total PeCDF	NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA	
103	96	Total PeCDD	NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA	
108	101	Total HxCDF	NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA	
112	105	Total HxCDD	NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA	
115	108	Total HpCDF	NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA	
117	110	Total HpCDD	NA		NA	
118	111	OCDF	NA		NA	
119	112	OCDD	NA		NA	
120						
121		**ETHANOL (mg/L)**	NA		NA	
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW40S	
4			0411047-06		P5F0554-04	
5			11/8/04		6/13/05	
123		**PAHs (µg/L)**				
124		**EPA Method SW8270 SIM**				
125		Naphthalene	**0.401**		0.100	U
126		2-Methylnaphthalene	NA		NA	
127		Acenaphthylene	**0.245**		0.100	U
128		Acenaphthene	**1.09**		0.100	U
129		Fluorene	**2.75**		0.100	U
130		Anthracene	**0.137**		0.100	U
131		Dibenzofuran	NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW41S	
4			0411047-06		P5F0441-01	
5			11/8/04		6/8/05	
6						
7	1	**CHLORINATED PHENOLS (µg/L)**				
8	2	**EPA Method SW8040**				
9	3	Pentachlorophenol	5.13		NA	
10	4	2,4,6-Trichlorophenol	NA		NA	
11	5	2,3,6-Trichlorophenol	NA		NA	
12	6	2,4,5-Trichlorophenol	NA		NA	
13	7	2,3,4-Trichlorophenol	NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		NA	
16	10					
17	11	**SEMIVOLATILES (µg/L)**				
18	12	**EPA Method SW8270**				
19	13	Phenol	2.05		5.00	U
20	14	4-Methylphenol	10.3		5.00	U
21	15	Isophorone	1.03		5.00	U
22	16	2,4-Dimethylphenol	3.08		10.00	U
23	17	Benzoic Acid	20.5		50.0	U
24	18	Naphthalene	1.03		5.00	U
25	19	2-Methylnaphthalene	1.03		5.00	U
26	20	2,4,6-Trichlorophenol	5.13		5.00	U
27	21	2,4,5-Trichlorophenol	5.13		5.00	U
28	22	Acenaphthene	**1.59**		5.00	U
29	23	Dibenzofuran	1.03		5.00	U
30	24	Fluorene	**3.36**		5.00	U
31	25	Pentachlorophenol	NA		10	U
32	26	bis(2-Ethylhexyl)phthalate	1.03		10.00	U
33	27					
34	28	**VOLATILES (µg/L)**				
35	29	**EPA Method SW8260**				
36	30	Acetone	50		25.0	U
37	31	Carbon Disulfide	2		10.00	U
38	32	2-Butanone	10		10.00	U
39	33	Benzene	**1.22**		1.00	U
40	34	Bromoform	1		1.00	U
41	35	Toluene	1		1.00	U
42	36	Ethylbenzene	1		1.00	U
43	37	Styrene	1		1.00	U
44	38	m,p-Xylene	2		2.00	U
45	39	o-Xylene	1		1.00	U
46	40	1,3,5-Trimethylbenzene	1		1.00	U
47	41	1,2,4-Trimethylbenzene	1		1.00	U
48	42	Isopropylbenzene	**8.96**		2.00	U
49	43	n-Propylbenzene	**41.1**		1.00	U
50	44	tert-Butylbenzene	1		1.00	U
51	45	sec-Butylbenzene	**3.67**		1.00	U
52	46	4-Isopropyltoluene	1		2.00	U
53	47	n-Butylbenzene	**9.75**		5.00	U
54	48	Naphthalene	1		2.00	U
55	48.5	Methyl tert-butyl ether	1		1.00	U
56	49					
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**				
58	51	**Method OR-DEQ**				
59	52	**TPH-Diesel**	**2.23**		0.25	U
60	53	**TPH-D Motor Oil**	0.505		0.5	U
61	54	**TPH-Gasoline**	**1.72**		0.08	U
62	55					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW41S	
4			0411047-06		P5F0441-01	
5			11/8/04		6/8/05	
63	56	**PRIORITY POLLUTANT**				
64	57	**METALS (mg/L)**				
65	58	Arsenic (7060)	**0.0152**		0.001	U
66	59	Chromium (6010)	**0.0215**		0.001	U
67	60	Copper (6010)	0.01		0.002	U
68	61	Lead (7421)	**0.00336**		0.001	U
69	62	Nickel (6010)	0.005		0.002	U
70	63	Zinc (6010)	0.01		0.005	U
71	64					
72	65	**MAJOR IONS AND CONVENTIONALS**				
73	66	Calcium (mg/L) (6010)	NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**235**		**140**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.05**		**1.62**	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA	
86	79					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW41S	
4			0411047-06		P5F0441-01	
5			11/8/04		6/8/05	
87	80	**FIELD PARAMETERS**				
88	81	pH (avg)	6.56		6.64	
89	82	Temperature (° C) (avg)	14.9		16.1	
90	83	Conductivity (um/hos)	283		162	
91	84	Dissolved oxygen (mg/L) (avg)	0.74		2.93	
92	85					
93	86	**DIOXINS AND FURANS (ng/L)**				
94	87	**Method 8290**				
95	88	2,3,7,8-TCDF	NA		NA	
96	89	Total TCDF	NA		NA	
97	90	2,3,7,8-TCDD	NA		NA	
98	91	Total TCDD	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA	
101	94	Total PeCDF	NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA	
103	96	Total PeCDD	NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA	
108	101	Total HxCDF	NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA	
112	105	Total HxCDD	NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA	
115	108	Total HpCDF	NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA	
117	110	Total HpCDD	NA		NA	
118	111	OCDF	NA		NA	
119	112	OCDD	NA		NA	
120						
121		**ETHANOL (mg/L)**	NA		NA	
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			LW42S		LW41S	
4			0411047-06		P5F0441-01	
5			11/8/04		6/8/05	
123		**PAHs (µg/L)**				
124		**EPA Method SW8270 SIM**				
125		Naphthalene	**0.401**		0.300	U
126		2-Methylnaphthalene	NA		NA	
127		Acenaphthylene	**0.245**		0.100	U
128		Acenaphthene	**1.09**		0.100	U
129		Fluorene	**2.75**		0.100	U
130		Anthracene	**0.137**		0.100	U
131		Dibenzofuran	NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2							Dup of LW42S				Dup of LW42S			Dup of LW42S
3			LW42S		LW42S		Z		LW42S		Z		LW42S	Z
4			0411047-06		0502099-10		0502099-13		P5F0441-14		P5F0443-01		P5H0625-02	P5H0625-01
5			11/8/04		2/22/05		2/22/05		6/10/05		6/10/05		08/15/05	08/15/05
6														
7	1	**CHLORINATED PHENOLS (µg/L)**												
8	2	**EPA Method SW8040**												
9	3	Pentachlorophenol	NA		NA		NA		NA		NA		NA	NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA	NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA	NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA	NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA	NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA	NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA	NA
16	10													
17	11	**SEMIVOLATILES (µg/L)**												
18	12	**EPA Method SW8270**												
19	13	Phenol	2.05		1.97	U	1.95	U	5.00	U	5.00	U	5.00 U	5.00 U
20	14	4-Methylphenol	10.3		9.85	U	9.74	U	5.00	U	5.00	U	5.00 U	5.00 U
21	15	Isophorone	1.03		0.985	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
22	16	2,4-Dimethylphenol	3.08		2.96	U	2.92	U	10.00	U	10.00	U	10.0 U	10.0 U
23	17	Benzoic Acid	20.5		19.7	U	19.5	U	50.0	U	50.0	U	50.0 U	50.0 U
24	18	Naphthalene	1.03		0.985	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
25	19	2-Methylnaphthalene	1.03		0.985	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
26	20	2,4,6-Trichlorophenol	5.13		4.93	U	4.87	U	5.00	U	5.00	U	5.00 U	5.00 U
27	21	2,4,5-Trichlorophenol	5.13		4.93	U	4.87	U	5.00	U	5.00	U	5.00 U	5.00 U
28	22	Acenaphthene	**1.59**		**1.7**		**1.4**		5.00	U	5.00	U	5.00 U	5.00 U
29	23	Dibenzofuran	1.03		**1.86**		**1.80**		5.00	U	5.00	U	5.00 U	5.00 U
30	24	Fluorene	**3.36**		**3.63**		**3.47**		**6.93**		**6.91**		5.00 U	5.00 U
31	25	Pentachlorophenol	5.13		4.93	U	4.87	U	10	U	10	U	5 UJ	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1.03		0.985	U	0.974	U	10.00	U	10.00	U	10.0 U	10.0 U
33	27													
34	28	**VOLATILES (µg/L)**												
35	29	**EPA Method SW8260**												
36	30	Acetone	50		50	U	50	U	25.0	U	25.0	U	25.0 U	25.0 U
37	31	Carbon Disulfide	2		2	U	2	U	10.00	U	10.00	U	10.0 U	10.0 U
38	32	2-Butanone	10		10	U	10	U	10.00	U	10.00	U	10.0 U	10.0 U
39	33	Benzene	**1.22**		0.3	U	0.3	U	1.00	U	1.00	U	1.00 U	1.00 U
40	34	Bromoform	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
41	35	Toluene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
42	36	Ethylbenzene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
43	37	Styrene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
44	38	m,p-Xylene	2		2	U	2	U	2.00	U	2.00	U	2.00 U	2.00 U
45	39	o-Xylene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
46	40	1,3,5-Trimethylbenzene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
47	41	1,2,4-Trimethylbenzene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
48	42	Isopropylbenzene	**8.96**		**14.3**		**13.2**		**19.2**		**20.9**		**18.4**	**17.8**
49	43	n-Propylbenzene	**41.1**		**39.2**		**41.6**		**43.5**		**50.3**		**38.8**	**38.1**
50	44	tert-Butylbenzene	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
51	45	sec-Butylbenzene	**3.67**		**4.77**		**4.32**		**5.01**	J	**6.26**	J	**4.59**	**4.49**
52	46	4-Isopropyltoluene	1		1	U	1	U	2.00	U	2.00	U	2.00 U	2.00 U
53	47	n-Butylbenzene	**9.75**		**11.6**		**2.16**		**7.44**		**10.4**		**6.17**	**6.14**
54	48	Naphthalene	1		**1.81**		**2.16**		2.00	U	2.00	U	2.00 U	2.00 U
55	48.5	Methyl tert-butyl ether	1		1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
56	49													
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**												
58	51	**Method OR-DEQ**												
59	52	**TPH-Diesel**	**2.23**		**3.74**	J	**2.98**	J	**1.27**		**1.15**		**0.810**	**0.880**
60	53	**TPH-D Motor Oil**	0.505		1.13	U	0.484	U	0.5	U	0.5	U	0.500 U	0.500 U
61	54	**TPH-Gasoline**	**1.72**		**1.35**		**1.61**		**0.6**	J	**0.882**	J	**0.628**	**0.622**
62	55													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2							Dup of LW42S				Dup of LW42S			Dup of LW42S
3			LW42S		LW42S		Z		LW42S		Z		LW42S	Z
4			0411047-06		0502099-10		0502099-13		P5F0441-14		P5F0443-01		P5H0625-02	P5H0625-01
5			11/8/04		2/22/05		2/22/05		6/10/05		6/10/05		08/15/05	08/15/05
63	56	**PRIORITY POLLUTANT**												
64	57	**METALS (mg/L)**												
65	58	Arsenic (7060)	**0.0152**		**0.0192**		**0.0191**		**0.0233**		**0.0226**		**0.0171**	**0.0168**
66	59	Chromium (6010)	**0.0215**		**0.0077**		0.005	U	0.001	U	0.001	U	0.001 U	0.001 U
67	60	Copper (6010)	0.01		0.01	U	0.01	U	0.002	U	0.002	U	0.001 U	0.001 U
68	61	Lead (7421)	**0.00336**		**0.00519**		**0.00514**		**0.00494**		**0.00505**		**0.00442**	**0.00434**
69	62	Nickel (6010)	0.005		0.005	U	0.005	U	0.002	U	0.002	U	0.001 U	0.001 U
70	63	Zinc (6010)	0.01		0.01	U	0.01	U	0.005	U	0.005	U	0.01 U	0.01 U
71	64													
72	65	**MAJOR IONS AND CONVENTIONALS**												
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA	NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA	NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA	NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA	NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA	NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA	NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA	NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**235**		**230**		**223**		**226**		**220**		**201**	**205**
81	74	Chloride (mg/L) (EPA 325.2)	**2.05**		**1.48**		**1.50**		**1.38**		**1.59**		**1.54**	**1.56**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA	NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA	NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA	NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA	NA
86	79													

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2							Dup of LW42S				Dup of LW42S			Dup of LW42S
3			LW42S		LW42S		Z		LW42S		Z		LW42S	Z
4			0411047-06		0502099-10		0502099-13		P5F0441-14		P5F0443-01		P5H0625-02	P5H0625-01
5			11/8/04		2/22/05		2/22/05		6/10/05		6/10/05		08/15/05	08/15/05
87	80	**FIELD PARAMETERS**												
88	81	pH (avg)	6.56		6.66		6.66		6.72		6.72		5.37	5.37
89	82	Temperature (° C) (avg)	14.9		13.4		13.4		13.9		13.9		17.7	17.7
90	83	Conductivity (um/hos)	283		172		172		293		293		193	192
91	84	Dissolved oxygen (mg/L) (avg)	0.74		0.69		0.69		2.41		2.47		NM	NM
92	85													
93	86	**DIOXINS AND FURANS (ng/L)**												
94	87	**Method 8290**												
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA	NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA	NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA	NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA	NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA	NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA	NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA	NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA	NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA	NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA	NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA	NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA	NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA	NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA	NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA	NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA	NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA	NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA	NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA	NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA	NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA	NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA	NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA	NA
118	111	OCDF	NA		NA		NA		NA		NA		NA	NA
119	112	OCDD	NA		NA		NA		NA		NA		NA	NA
120														
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA	NA
122														

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2							Dup of LW42S				Dup of LW42S			Dup of LW42S
3			LW42S		LW42S		Z		LW42S		Z		LW42S	Z
4			0411047-06		0502099-10		0502099-13		P5F0441-14		P5F0443-01		P5H0625-02	P5H0625-01
5			11/8/04		2/22/05		2/22/05		6/10/05		6/10/05		08/15/05	08/15/05
123		**PAHs (µg/L)**												
124		**EPA Method SW8270 SIM**												
125		Naphthalene	**0.401**		0.68	U	0.771	U	1.20	U	2.00	U	0.750 U	1.00 U
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA	NA
127		Acenaphthylene	**0.245**		**0.554**		**0.605**		0.600	U	1.00	U	0.500 U	0.500 U
128		Acenaphthene	**1.09**		**2.04**		**2.11**		**2.45**		**2.38**		**1.83**	**1.85**
129		Fluorene	**2.75**		**4.72**		**4.83**		**4.73**		**5.05**		**3.16**	**3.31**
130		Anthracene	**0.137**		**0.243**		**0.224**		**0.183**		0.250	U	0.500 U	0.500 U
131		Dibenzofuran	NA		NA		NA		NA		NA		NA	NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW43S		LW43S		LW43S		LW43S
4			0411052-01		0502056-02		P5F0441-15		P5H0734-02
5			11/9/04		2/14/05		6/10/05		08/17/05
6									
7	1	**CHLORINATED PHENOLS (µg/L)**							
8	2	**EPA Method SW8040**							
9	3	Pentachlorophenol	NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA
16	10								
17	11	**SEMIVOLATILES (µg/L)**							
18	12	**EPA Method SW8270**							
19	13	Phenol	2.01	U	2.02	U	5.00	U	5.00 U
20	14	4-Methylphenol	10	U	10.1	U	5.00	U	5.00 U
21	15	Isophorone	1	U	1.01	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.01	U	3.03	U	10.00	U	10.0 U
23	17	Benzoic Acid	20.1	U	20.2	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	1.01	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	1.01	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.02	U	5.05	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.02	U	5.05	U	5.00	U	5.00 U
28	22	Acenaphthene	**1.52**		1.01	U	5.00	U	5.00 U
29	23	Dibenzofuran	1	U	1.01	U	5.00	U	5.00 U
30	24	Fluorene	**3.24**		1.22	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5.02	U	5.05	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1	U	1.01	U	10.00	U	10.0 U
33	27								
34	28	**VOLATILES (µg/L)**							
35	29	**EPA Method SW8260**							
36	30	Acetone	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	**0.68**		0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**6.94**		**5.59**		**11.1**		**4.87**
49	43	n-Propylbenzene	**27.7**		**22.1**		**26.5**		**12.6**
50	44	tert-Butylbenzene	1	U	**2.72**		1.00	U	1.00 U
51	45	sec-Butylbenzene	**2.42**		**3.84**		**2.81**		**1.72**
52	46	4-Isopropyltoluene	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**6.08**		**6.36**		5.00	U	5.00 U
54	48	Naphthalene	1	U	**4.04**		2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1.00	U	1.00 U
56	49								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**							
58	51	**Method OR-DEQ**							
59	52	**TPH-Diesel**	**1.91**		**2.34**		**0.588**		**0.595**
60	53	**TPH-D Motor Oil**	**0.654**		0.5	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**0.988**		**1.33**		**0.476**		**0.248**
62	55								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW43S		LW43S		LW43S		LW43S
4			0411052-01		0502056-02		P5F0441-15		P5H0734-02
5			11/9/04		2/14/05		6/10/05		08/17/05
63	56	**PRIORITY POLLUTANT**							
64	57	**METALS (mg/L)**							
65	58	Arsenic (7060)	**0.0109**		**0.0148**		**0.0166**		**0.0132**
66	59	Chromium (6010)	**0.0176**		0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	**0.00068**		**0.000281**		0.001	U	0.001 U
69	62	Nickel (6010)	0.005	U	0.005	U	0.002	U	0.001 U
70	63	Zinc (6010)	0.01	U	**0.0262**		0.005	U	0.01 U
71	64								
72	65	**MAJOR IONS AND CONVENTIONALS**							
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**199**		**276**		**243**		**234**
81	74	Chloride (mg/L) (EPA 325.2)	**1.79**		**2.09**		**1.55**		**1.65**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA
86	79								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW43S		LW43S		LW43S		LW43S
4			0411052-01		0502056-02		P5F0441-15		P5H0734-02
5			11/9/04		2/14/05		6/10/05		08/17/05
87	80	**FIELD PARAMETERS**							
88	81	pH (avg)	6.47		6.8		6.97		6.49
89	82	Temperature (° C) (avg)	15.1		12.9		14.1		14.7
90	83	Conductivity (um/hos)	255		283		294		307
91	84	Dissolved oxygen (mg/L) (avg)	1.32		0.45		1.80		NM
92	85								
93	86	**DIOXINS AND FURANS (ng/L)**							
94	87	**Method 8290**							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA
120									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW43S		LW43S		LW43S		LW43S
4			0411052-01		0502056-02		P5F0441-15		P5H0734-02
5			11/9/04		2/14/05		6/10/05		08/17/05
123		**PAHs (µg/L)**							
124		**EPA Method SW8270 SIM**							
125		Naphthalene	**0.453**		**0.387**		0.650	U	1.10 U
126		2-Methylnaphthalene	NA		NA		NA		NA
127		Acenaphthylene	**0.306**		**0.163**		0.200	U	0.250 U
128		Acenaphthene	**1.32**		**0.703**		**1.01**		**0.748**
129		Fluorene	**3.16**		**1.35**		**1.49**		**1.43**
130		Anthracene	**0.126**		**0.0917**		0.100	U	0.100 U
131		Dibenzofuran	NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW44S		LW44S		LW44S		LW44S
4			0411047-07		0502099-11		P5F0441-10		P5H0734-03
5			11/8/04		2/23/05		6/9/05		08/17/05
7	1	**CHLORINATED PHENOLS (µg/L)**							
8	2	**EPA Method SW8040**							
9	3	Pentachlorophenol	NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA
16	10								
17	11	**SEMIVOLATILES (µg/L)**							
18	12	**EPA Method SW8270**							
19	13	Phenol	1.97	U	1.96	U	5.00	U	5.00 U
20	14	4-Methylphenol	9.86	U	9.78	U	**8.93**		5.00 U
21	15	Isophorone	0.986	U	0.978	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	2.96	U	2.93	U	10.00	U	10.0 U
23	17	Benzoic Acid	19.7	U	19.6	U	50.0	U	50.0 U
24	18	Naphthalene	0.986	U	0.978	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	0.986	U	0.978	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	4.93	U	4.89	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	4.93	U	4.89	U	5.00	U	5.00 U
28	22	Acenaphthene	0.986	U	0.978	U	5.00	U	5.00 U
29	23	Dibenzofuran	0.986	U	0.978	U	5.00	U	5.00 U
30	24	Fluorene	0.986	U	0.978	U	5.00	U	5.00 U
31	25	Pentachlorophenol	4.93	U	4.89	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	0.986	U	0.978	U	10.00	U	10.0 U
33	27								
34	28	**VOLATILES (µg/L)**							
35	29	**EPA Method SW8260**							
36	30	Acetone	50	U	50	U	25.0	U	25.0 U
37	31	Carbon Disulfide	2	U	2	U	10.00	U	10.0 U
38	32	2-Butanone	10	U	10	U	10.00	U	10.0 U
39	33	Benzene	0.3	U	0.3	U	1.00	U	1.00 U
40	34	Bromoform	1	U	1	U	1.00	U	1.00 U
41	35	Toluene	1	U	1	U	1.00	U	1.00 U
42	36	Ethylbenzene	1	U	1	U	1.00	U	1.00 U
43	37	Styrene	1	U	1	U	1.00	U	1.00 U
44	38	m,p-Xylene	2	U	2	U	2.00	U	2.00 U
45	39	o-Xylene	1	U	1	U	1.00	U	1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	1.00	U	1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	1.00	U	1.00 U
48	42	Isopropylbenzene	**78.9**		**65.9**		**23.6**		**106**
49	43	n-Propylbenzene	**61.4**		**51**		**13.0**		**78.7**
50	44	tert-Butylbenzene	**1.72**		1	U	1.00	U	**2.12**
51	45	sec-Butylbenzene	**11.9**		**8.93**		**1.17**		**17.7**
52	46	4-Isopropyltoluene	1	U	1	U	2.00	U	2.00 U
53	47	n-Butylbenzene	**2.33**		**5.35**		5.00	U	5.00 U
54	48	Naphthalene	1	U	**6.14**		2.00	U	2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	1.00	U	1.00 U
56	49								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**							
58	51	**Method OR-DEQ**							
59	52	**TPH-Diesel**	**3.77**		**9.38**		**0.779**		**1.4**
60	53	**TPH-D Motor Oil**	0.502	U	0.488	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**2.94**		**2.97**		**0.545**		**0.933 J**
62	55								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW44S		LW44S		LW44S		LW44S
4			0411047-07		0502099-11		P5F0441-10		P5H0734-03
5			11/8/04		2/23/05		6/9/05		08/17/05
63	56	**PRIORITY POLLUTANT**							
64	57	**METALS (mg/L)**							
65	58	Arsenic (7060)	**0.0123**		**0.0256**		**0.0175**		**0.0289**
66	59	Chromium (6010)	**0.0176**		**0.0093**		0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	**0.00857**		**0.00187**
68	61	Lead (7421)	**0.00717**		**0.000158**		0.001	U	0.001 U
69	62	Nickel (6010)	0.005	U	0.005	U	**0.00733**		**0.00169**
70	63	Zinc (6010)	**0.0294**		0.01	U	0.005	U	0.01 U
71	64								
72	65	**MAJOR IONS AND CONVENTIONALS**							
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**387**		**314**		**229**		**285**
81	74	Chloride (mg/L) (EPA 325.2)	**3.89**		**2.54**		**1.80**		**2.94**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA
86	79								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW44S		LW44S		LW44S		LW44S
4			0411047-07		0502099-11		P5F0441-10		P5H0734-03
5			11/8/04		2/23/05		6/9/05		08/17/05
87	80	**FIELD PARAMETERS**							
88	81	pH (avg)	6.46		6.64		6.40		6.50
89	82	Temperature (° C) (avg)	14.9		13.6		15.7		16.0
90	83	Conductivity (um/hos)	332		208		242		352
91	84	Dissolved oxygen (mg/L) (avg)	0.56		0.73		4.17		NM
92	85								
93	86	**DIOXINS AND FURANS (ng/L)**							
94	87	**Method 8290**							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA
120									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			LW44S		LW44S		LW44S		LW44S
4			0411047-07		0502099-11		P5F0441-10		P5H0734-03
5			11/8/04		2/23/05		6/9/05		08/17/05
123		**PAHs (µg/L)**							
124		**EPA Method SW8270 SIM**							
125		Naphthalene	**0.706**		**1.31**		1.50	U	4.00 U
126		2-Methylnaphthalene	NA		NA		NA		NA
127		Acenaphthylene	0.0498	U	0.0488	U	1.00	U	0.400 U
128		Acenaphthene	**0.129**		**0.283**		1.00	U	0.400 U
129		Fluorene	**0.179**		**0.361**		1.00	U	**0.665**
130		Anthracene	0.0498	U	0.0488	U	0.100	U	0.400 U
131		Dibenzofuran	NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			N		N		N		N
4			0408066-02		0502110-01		P5F0666-05		P5H0852-01
5			8/10/04		2/24/05		6/15/05		08/19/05
7	1	**CHLORINATED PHENOLS (µg/L)**							
8	2	**EPA Method SW8040**							
9	3	Pentachlorophenol	NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA
16	10								
17	11	**SEMIVOLATILES (µg/L)**							
18	12	**EPA Method SW8270**							
19	13	Phenol	2	U	1.9	U	**14.7**	J	5.00 U
20	14	4-Methylphenol	9.99	U	9.48	U	**5.36**		5.00 U
21	15	Isophorone	0.999	U	0.948	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	**4.48**		2.84	U	**14.4**		**11.5**
23	17	Benzoic Acid	20	U	19	U	50.0	U	50.0 U
24	18	Naphthalene	**53.7**		**5.5**		**66.8**		**77.3**
25	19	2-Methylnaphthalene	**37.7**		**16.4**		**25.2**		**39.4**
26	20	2,4,6-Trichlorophenol	5	U	4.74	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5	U	4.74	U	5.00	U	5.00 U
28	22	Acenaphthene	**1.19**		**0.967**		5.00	U	5.00 U
29	23	Dibenzofuran	0.999	U	0.948	U	5.00	U	5.00 U
30	24	Fluorene	**2.55**		1.75	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5	U	4.74	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	**1.23**		0.948	U	10.00	U	10.0 U
33	27								
34	28	**VOLATILES (µg/L)**							
35	29	**EPA Method SW8260**							
36	30	Acetone	50	U	50	U	125	U	500 U
37	31	Carbon Disulfide	2	U	2	U	50.0	U	200 U
38	32	2-Butanone	10	U	10	U	50.0	U	200 U
39	33	Benzene	**424**		**214**		**396**		**419**
40	34	Bromoform	1	U	1	U	5.00	U	20.0 U
41	35	Toluene	**92.3**		**14.3**		**66.2**		**107**
42	36	Ethylbenzene	**744**		**24.6**		**785**		**898**
43	37	Styrene	1	U	1	U	5.00	U	20.0 U
44	38	m,p-Xylene	**904**		**48.5**		**1480**		**1960**
45	39	o-Xylene	**446**		**13.9**		**390**		**518**
46	40	1,3,5-Trimethylbenzene	**124**		**12.6**		**65.5**		**120**
47	41	1,2,4-Trimethylbenzene	**518**		**35.6**		**322**		**514**
48	42	Isopropylbenzene	**61.6**		**43.1**		**59.2**		**57.4**
49	43	n-Propylbenzene	**102**		**54.8**		**89.3**		**85.6**
50	44	tert-Butylbenzene	1	U	1	U	5.00	U	20.0 U
51	45	sec-Butylbenzene	**4.72**		**3.97**		5.00	U	20.0 U
52	46	4-Isopropyltoluene	**5.33**		**1.43**		10.00	U	40.0 U
53	47	n-Butylbenzene	**5.14**		**7.83**		25.0	U	100 U
54	48	Naphthalene	**112**		**12.1**		**79.4**		**91.2**
55	48.5	Methyl tert-butyl ether	1	U	1	U	5.00	U	20.0 U
56	49								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**							
58	51	**Method OR-DEQ**							
59	52	**TPH-Diesel**	**7.65**		**1.76**		1.27	U	**1.32**
60	53	**TPH-D Motor Oil**	0.501	U	0.5	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**0.012**		**2.44**		**7.99**		**0.996**
62	55								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			N		N		N		N
4			0408066-02		0502110-01		P5F0666-05		P5H0852-01
5			8/10/04		2/24/05		6/15/05		08/19/05
63	56	**PRIORITY POLLUTANT**							
64	57	**METALS (mg/L)**							
65	58	Arsenic (7060)	**0.0373**		**0.0353**		**0.0424**		**0.0402**
66	59	Chromium (6010)	**0.0165**		0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	**0.00733**		**0.00454**		**0.00515**		**0.00656**
69	62	Nickel (6010)	0.005	U	0.005	U	**0.00275**		**0.00245**
70	63	Zinc (6010)	**0.0193**		0.01	U	0.005	U	0.01 U
71	64								
72	65	**MAJOR IONS AND CONVENTIONALS**							
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**278**		**362**		**337**		**342**
81	74	Chloride (mg/L) (EPA 325.2)	**1.68**		**2.12**		**2.07**		**2.34**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		0.100 U
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		1.00 U
86	79								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			N		N		N		N
4			0408066-02		0502110-01		P5F0666-05		P5H0852-01
5			8/10/04		2/24/05		6/15/05		08/19/05
87	80	**FIELD PARAMETERS**							
88	81	pH (avg)	6.16		6.72		6.11		6.18
89	82	Temperature (° C) (avg)	15.8		12		14.1		15.7
90	83	Conductivity (um/hos)	692		200		487		519
91	84	Dissolved oxygen (mg/L) (avg)	3.72		0		3.22		NM
92	85								
93	86	**DIOXINS AND FURANS (ng/L)**							
94	87	**Method 8290**							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA
120									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			N		N		N		N
4			0408066-02		0502110-01		P5F0666-05		P5H0852-01
5			8/10/04		2/24/05		6/15/05		08/19/05
123		**PAHs (µg/L)**							
124		**EPA Method SW8270 SIM**							
125		Naphthalene	**54.5**		**3.78**		**52.3**		**64.4**
126		2-Methylnaphthalene	NA		NA		NA		NA
127		Acenaphthylene	**0.253**		**0.133**		2.00	U	0.250 U
128		Acenaphthene	**1.16**		**0.702**		2.00	U	**1.07**
129		Fluorene	**2.49**		**1.65**		**2.50**		**2.03**
130		Anthracene	**0.121**		0.0474	U	0.100	U	**0.118**
131		Dibenzofuran	NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S
4			EM65A		EX87D		FF48G		FL41I		FU45F		FY72G		0402086-07		0406074-01		0408026-02		0502070-01		P5F0668-02		P5H1000-03
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
7	1	**CHLORINATED PHENOLS (µg/L)**																							
8	2	**EPA Method SW8040**																							
9	3	Pentachlorophenol	NA		**200**		**620**		**67**		**19**	J	**0.69**		**62.1**		NA		NA		NA		**2.99**		0.481 U
10	4	2,4,6-Trichlorophenol	NA		**1.1**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		**0.56**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		0.25	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		**70**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		**6.9**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																								
17	11	**SEMIVOLATILES (µg/L)**																							
18	12	**EPA Method SW8270**																							
19	13	Phenol	NA		NA		NA		NA		NA		NA		NA		1.97	U	2	U	**2.09**		5.00	U	5.00 U
20	14	4-Methylphenol	NA		NA		NA		NA		NA		NA		NA		9.83	U	10	U	10.2	U	5.00	U	5.00 U
21	15	Isophorone	NA		NA		NA		NA		NA		NA		NA		0.983	U	1	U	1.02	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		NA		2.95	U	3	U	**5.7**		10.00	U	10.0 U
23	17	Benzoic Acid	NA		NA		NA		NA		NA		NA		NA		19.7	U	20	U	20.4	U	50.0	U	50.0 U
24	18	Naphthalene	NA		NA		NA		NA		NA		NA		NA		**10.4**		**11**		**6.89**		**14.2**		5.00 U
25	19	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		**5.53**		**6.81**		**2.88**		**8.74**		5.00 U
26	20	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		4.92	U	5	U	5.09	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		**9.9**		5	U	5.09	U	5.00	U	5.00 U
28	22	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		0.983	U	1	U	1.02	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		0.983	U	1	U	1.02	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		NA		NA		NA		NA		NA		0.983	U	1	U	1.02	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		NA		NA		**19**	J	NA		NA		NA		5	U	5.09	U	10	U	10.0 U
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		NA		0.983	U	1	U	1.02	U	10.00	U	10.0 U
33	27																								
34	28	**VOLATILES (µg/L)**																							
35	29	**EPA Method SW8260**																							
36	30	Acetone	**19**		**56**		NA		NA		NA		NA		NA		50	U	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	1.0	U	1	U	NA		NA		NA		NA		NA		2	U	2	U	2	U	NA		10.0 U
38	32	2-Butanone	6.8	U	**5.4**		NA		NA		NA		NA		NA		10	U	10	U	10	U	NA		10.0 U
39	33	Benzene	**320**		**65**		NA		NA		NA		NA		NA		**112**		**118**	J	**102**		NA		**48.1**
40	34	Bromoform	1.0	U	1	U	NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		1.00 U
41	35	Toluene	**29**		**3.9**		NA		NA		NA		NA		NA		**4.66**		**8.87**	J	**2**		NA		1.00 U
42	36	Ethylbenzene	**180**		**43**		NA		NA		NA		NA		NA		**118**		**163**	J	**129**		NA		**70.2**
43	37	Styrene	1.0	U	1	U	NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	**740**		**110**		NA		NA		NA		NA		NA		**273**		**466**	J	**260**		NA		**108**
45	39	o-Xylene	**280**		**42**		NA		NA		NA		NA		NA		**112**		**161**	J	**83.6**		NA		**14.3**
46	40	1,3,5-Trimethylbenzene	**160**		**54**		NA		NA		NA		NA		NA		**73.5**		**83**	J	**97.8**		NA		**27.0**
47	41	1,2,4-Trimethylbenzene	**460**		**160**		NA		NA		NA		NA		NA		**208**		**231**	J	**310**		NA		**117**
48	42	Isopropylbenzene	**140**		**27**		NA		NA		NA		NA		NA		**35.5**		**48.7**	J	**47.1**		NA		**26.7**
49	43	n-Propylbenzene	1.0	U	**38**		NA		NA		NA		NA		NA		**54.7**		**47.8**	J	**67.3**		NA		**34.7**
50	44	tert-Butylbenzene	**100**		1	U	NA		NA		NA		NA		NA		**1.95**		**1.63**	J	**4**		NA		**1.74**
51	45	sec-Butylbenzene	1.0	U	**6.8**		NA		NA		NA		NA		NA		**9.01**		**8.09**	J	**15.1**		NA		**6.12**
52	46	4-Isopropyltoluene	**29**		**6.9**		NA		NA		NA		NA		NA		**6.85**		**6.84**	J	**13**		NA		**3.71**
53	47	n-Butylbenzene	28	U	**6.1**	M	NA		NA		NA		NA		NA		**4.85**		**4.21**	J	**11.2**		NA		5.00 U
54	48	Naphthalene	**83**		**15**		NA		NA		NA		NA		NA		**18.2**		**17.7**	J	**21.3**		NA		**12.7**
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		1.00 U
56	49																								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																							
58	51	**Method OR-DEQ**																							
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S
4			EM65A		EX87D		FF48G		FL41I		FU45F		FY72G		0402086-07		0406074-01		0408026-02		0502070-01		P5F0668-02		P5H1000-03
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
63	56	**PRIORITY POLLUTANT**																							
64	57	**METALS (mg/L)**																							
65	58	Arsenic (7060)	**0.02**		NA		NA		NA		NA		NA		NA		**0.015**		**0.00838**		**0.0179**		**0.018**		**0.0176**
66	59	Chromium (6010)	0.005	U	NA		NA		NA		NA		NA		NA		**0.0173**		**0.0177**		**0.0077**		0.001	U	0.001 U
67	60	Copper (6010)	0.002	U	NA		NA		NA		NA		NA		NA		0.01	U	0.01	U	0.01	U	**0.00661**		**0.00255**
68	61	Lead (7421)	0.001	U	NA		NA		NA		NA		NA		NA		0.0001	U	**0.000113**		**0.00045**		0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	NA		NA		NA		NA		NA		NA		**0.0078**		**0.0061**		**0.0104**		**0.047**		**0.0519**
70	63	Zinc (6010)	**0.009**		NA		NA		NA		NA		NA		NA		0.01	U	0.01	U	0.01	U	**0.00504**		0.01 U
71	64																								
72	65	**MAJOR IONS AND CONVENTIONALS**																							
73	66	Calcium (mg/L) (6010)	**32.4**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	**8.55**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	**3.4**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	**7.45**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**160**		**190**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**160**		**190**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**240**		NA		NA		NA		NA		NA		NA		**301**		**210**		**237**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		NA		**3.07**		**2.52**		**4.25**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S
4			EM65A		EX87D		FF48G		FL41I		FU45F		FY72G		0402086-07		0406074-01		0408026-02		0502070-01		P5F0668-02		P5H1000-03
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
87	80	**FIELD PARAMETERS**																							
88	81	pH (avg)	5.99		6.52		6.53		6.74		6.71		6.57		6.52		6.23		5.83		6.6		6.11		5.80
89	82	Temperature (° C) (avg)	14.3		16.4		15		13		14.9		15.9		14.2		14.2		16		13.4		15.7		15.8
90	83	Conductivity (um/hos)	302		427		369		274		262		317		270		387		351		263		221		420
91	84	Dissolved oxygen (mg/L) (avg)	3.97		0.7		0.79		3.39		2.08		1.26		1.14		0.94		2.2		1.22		0		NM
92	85																								
93	86	**DIOXINS AND FURANS (ng/L)**																							
94	87	**Method 8290**																							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000676	U	NA		0.0099 U
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000676	U	NA		0.0099 U
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000325	U	NA		0.0099 U
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000325	U	NA		0.0099 U
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000393	U	NA		0.049 U
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000378	U	NA		0.049 U
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.005961**		NA		0.049 U
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000554	U	NA		0.049 U
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000554	U	NA		0.049 U
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.001266	UJ	NA		0.049 U
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000917	U	NA		0.049 U
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.00098	U	NA		0.049 U
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.001128	U	NA		0.049 U
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.050538**		NA		0.049 U
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000267	U	NA		0.049 U
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.00805**	J	NA		0.049 U
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.000844	UJ	NA		0.049 U
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.016634**		NA		0.049 U
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.031277**		NA		0.049 U
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		0.001392	UJ	NA		0.049 U
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.159035**		NA		**0.092**
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.232233**		NA		**0.140**
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.35569**		NA		**0.220**
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		**0.133707**		NA		0.099 U
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		**1.32**		NA		**1.000**
120																									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S		OX1S
4			EM65A		EX87D		FF48G		FL41I		FU45F		FY72G		0402086-07		0406074-01		0408026-02		0502070-01		P5F0668-02		P5H1000-03
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
123		**PAHs (µg/L)**																							
124		**EPA Method SW8270 SIM**																							
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																					Dup of OX2S			
3			OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		Y		OX2S	
4			EM65B		EX87B		FF48H		FL58G		FU45E		0402086-09		0406074-02		0408026-03		0411066-10		0411066-02		P5F0668-04	
5			6/24/02		10/29/02		2/10/03		5/8/03		8/28/03		2/18/04		6/10/04		8/04/04		11/11/04		11/11/04		6/14/05	
7	1	**CHLORINATED PHENOLS (µg/L)**																						
8	2	**EPA Method SW8040**																						
9	3	Pentachlorophenol	NA		**1200**		**5400**		**6700**		**5800**	J	**5320**		NA		NA		NA		NA		NA	
10	4	2,4,6-Trichlorophenol	NA		0.26	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	NA		**0.28**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	NA		0.94	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	NA		0.26	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		**110**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		**6.5**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
16	10																							
17	11	**SEMIVOLATILES (µg/L)**																						
18	12	**EPA Method SW8270**																						
19	13	Phenol	NA		NA		NA		NA		NA		NA		2.05	U	2	U	1.99	U	2	U	5.00	U
20	14	4-Methylphenol	NA		NA		NA		NA		NA		NA		10.2	U	10	U	9.94	U	10	U	5.00	U
21	15	Isophorone	NA		NA		NA		NA		NA		NA		1.02	U	1	U	0.994	U	1	U	5.00	U
22	16	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		3.07	U	3	U	2.98	U	3	U	10.00	U
23	17	Benzoic Acid	NA		NA		NA		NA		NA		NA		20.5	U	20	U	19.9	U	20	U	50.0	U
24	18	Naphthalene	NA		NA		NA		NA		NA		NA		**13.5**		**9.21**		**10.4**	J	**22.2**	J	**14.9**	
25	19	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		**6.53**		**6.24**		**8.69**	J	**23.9**	J	**8.21**	
26	20	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		5.12	U	5	U	4.97	U	5	U	5.00	U
27	21	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		5.12	U	5	U	4.97	U	5	U	5.00	U
28	22	Acenaphthene	NA		NA		NA		NA		NA		NA		1.02	U	1	U	0.994	U	1	U	5.00	U
29	23	Dibenzofuran	NA		NA		NA		NA		NA		NA		1.02	U	1	U	0.994	U	1	U	5.00	U
30	24	Fluorene	NA		NA		NA		NA		NA		NA		1.02	U	1	U	0.994	U	1	U	5.00	U
31	25	Pentachlorophenol	NA		NA		NA		NA		NA		NA		**5030**		**1500**		**727**	J	**1150**	J	**1540**	
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		1.02	U	1	U	0.994	U	1	U	10.00	U
33	27																							
34	28	**VOLATILES (µg/L)**																						
35	29	**EPA Method SW8260**																						
36	30	Acetone	**16**		**22**	M	NA		NA		NA		NA		50	U	**108**	J	50	U	50	U	NA	
37	31	Carbon Disulfide	3.0	U	1	U	NA		NA		NA		NA		2	U	**3.32**	J	2	U	2	U	NA	
38	32	2-Butanone	15	U	5	U	NA		NA		NA		NA		10	U	**11.3**	J	10	U	10	U	NA	
39	33	Benzene	3.0	U	**1.1**		NA		NA		NA		NA		**6.51**		**5.3**	J	**3.49**		**3.67**		NA	
40	34	Bromoform	3.0	U	1	U	NA		NA		NA		NA		1	U	1	U	1	U	1	U	NA	
41	35	Toluene	**6.7**		1	U	NA		NA		NA		NA		**1.19**		**1.38**	J	1	U	1	U	NA	
42	36	Ethylbenzene	**43**		**24**		NA		NA		NA		NA		**91.3**		**74.7**	J	**48.9**		**50**		NA	
43	37	Styrene	3.0	U	1	U	NA		NA		NA		NA		1	U	1	U	1	U	1	U	NA	
44	38	m,p-Xylene	**72**		**29**		NA		NA		NA		NA		**105**		**89.7**	J	**62.7**		**61.5**		NA	
45	39	o-Xylene	**79**		**36**		NA		NA		NA		NA		**190**		**137**	J	**99.2**		**110**		NA	
46	40	1,3,5-Trimethylbenzene	**46**		**21**		NA		NA		NA		NA		**83.1**		**72.3**	J	**78.8**		**70.1**		NA	
47	41	1,2,4-Trimethylbenzene	**190**		**110**		NA		NA		NA		NA		**307**		**233**	J	**320**	J	**212**	J	NA	
48	42	Isopropylbenzene	**18**		**14**		NA		NA		NA		NA		**48.5**		**39.4**	J	**32.8**		**29.9**		NA	
49	43	n-Propylbenzene	**28**		**25**		NA		NA		NA		NA		**62.8**		**40.7**	J	**46**		**39.4**		NA	
50	44	tert-Butylbenzene	3.0	U	**1.8**		NA		NA		NA		NA		**2.91**		**2.14**	J	**2.74**		**2.22**		NA	
51	45	sec-Butylbenzene	3.0	U	**8.4**		NA		NA		NA		NA		**22.9**		**13.6**	J	**16**		**13.4**		NA	
52	46	4-Isopropyltoluene	**5.2**		**6.3**		NA		NA		NA		NA		**10.1**		**9.35**	J	**14.6**	J	**11.1**	J	NA	
53	47	n-Butylbenzene	5.8	U	**6.7**	M	NA		NA		NA		NA		**6.92**		**6.37**	J	**11.2**	J	**8.71**	J	NA	
54	48	Naphthalene	15	U	**11**		NA		NA		NA		NA		**22.6**		**21.6**	J	**23.3**		**25.2**		NA	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		1	U	1	U	1	U	1	U	NA	
56	49																							
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																						
58	51	**Method OR-DEQ**																						
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																					Dup of OX2S			
3			OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		Y		OX2S	
4			EM65B		EX87B		FF48H		FL58G		FU45E		0402086-09		0406074-02		0408026-03		0411066-10		0411066-02		P5F0668-04	
5			6/24/02		10/29/02		2/10/03		5/8/03		8/28/03		2/18/04		6/10/04		8/04/04		11/11/04		11/11/04		6/14/05	
63	56	**PRIORITY POLLUTANT**																						
64	57	**METALS (mg/L)**																						
65	58	Arsenic (7060)	**0.01**		NA		NA		NA		NA		NA		**0.004**		**0.00752**		**0.00915**		**0.00768**		**0.00755**	
66	59	Chromium (6010)	0.005	U	NA		NA		NA		NA		NA		**0.0134**		0.005	U	**0.0191**		**0.0141**		0.001	U
67	60	Copper (6010)	0.002	U	NA		NA		NA		NA		NA		0.01	U	0.01	U	0.01	U	0.01	U	0.002	U
68	61	Lead (7421)	0.001	U	NA		NA		NA		NA		NA		0.0001	U	**0.000258**		**0.0401**	J	**0.0214**	J	0.001	U
69	62	Nickel (6010)	0.01	U	NA		NA		NA		NA		NA		0.005	U	0.005	U	0.005	U	0.005	U	**0.234**	
70	63	Zinc (6010)	**0.009**		NA		NA		NA		NA		NA		0.01	U	0.01	U	**0.0299**		**0.0247**		**0.0201**	
71	64																							
72	65	**MAJOR IONS AND CONVENTIONALS**																						
73	66	Calcium (mg/L) (6010)	**33**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**10.7**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**2.7**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**6.06**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**120**		**200**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**120**		**200**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**220**		NA		NA		NA		NA		NA		**389**		**358**		**443**		**428**		NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		**3.58**		**2.81**		**4.69**		**4.56**		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
86	79																							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																					Dup of OX2S			
3			OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		Y		OX2S	
4			EM65B		EX87B		FF48H		FL58G		FU45E		0402086-09		0406074-02		0408026-03		0411066-10		0411066-02		P5F0668-04	
5			6/24/02		10/29/02		2/10/03		5/8/03		8/28/03		2/18/04		6/10/04		8/04/04		11/11/04		11/11/04		6/14/05	
87	80	**FIELD PARAMETERS**																						
88	81	pH (avg)	6.15		6.40		6.7		6.49		6.66		6.57		6.25		5.96		6.62		6.61		6.03	
89	82	Temperature (° C) (avg)	15.5		15.9		14.2		13.6		14.9		13.6		14.8		15.6		15.2		15.1		15.1	
90	83	Conductivity (um/hos)	249		599		222		267		263		313		434		624		487		487		303	
91	84	Dissolved oxygen (mg/L) (avg)	4.10		0		1.49		2.21		1.43		1.48		1.07		1.82		1.34		1.34		0	
92	85																							
93	86	**DIOXINS AND FURANS (ng/L)**																						
94	87	**Method 8290**																						
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		0.00099	U	0.001855	U	**0.011663**	J	NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		**0.008498**		0.001855	U	**0.028916**		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		0.001186	U	0.002202	U	0.000465	UJ	NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		0.001186	U	0.002202	U	0.000465	U	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		**0.005426**	J	0.001628	U	**0.028919**	J	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		**0.003945**	J	0.001557	U	**0.022008**	J	NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		**0.093578**		**0.021311**		**0.589224**		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		0.001145	U	0.002569	U	**0.003825**	J	NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		0.001145	U	0.002569	U	**0.006169**		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		**0.027685**		**0.006922**	J	**0.129685**		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		**0.012362**	J	**0.003692**	J	**0.060882**		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		**0.01246**	J	**0.004637**	J	**0.086431**		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		0.001979	U	0.001753	U	0.003279	U	NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		**0.873515**		**0.232308**		**3.438667**		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		**0.00466**	J	0.00237	U	0.000658	U	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		**0.115964**		**0.030842**		**0.672776**		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		**0.011181**	J	0.002173	U	0.055833	U	NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		**0.294442**		**0.062692**		**1.508675**		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		**0.705588**		**0.189857**		**3.607867**		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		**0.035143**		**0.013672**	J	**0.180702**		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		**3.428142**		**0.913668**		**17.465984**		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		**4.502444**		**1.222349**		**16.086098**	J	NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		**7.076281**		**1.891967**		**35.962568**		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		**3.277332**		**0.901706**		**18.415892**	J	NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		**33.577997**	J	**9.445627**		**172.764658**	J	NA		NA	
120																								
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1																								
2																					Dup of OX2S			
3			OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		OX2S		Y		OX2S	
4			EM65B		EX87B		FF48H		FL58G		FU45E		0402086-09		0406074-02		0408026-03		0411066-10		0411066-02		P5F0668-04	
5			6/24/02		10/29/02		2/10/03		5/8/03		8/28/03		2/18/04		6/10/04		8/04/04		11/11/04		11/11/04		6/14/05	
123		**PAHs (µg/L)**																						
124		**EPA Method SW8270 SIM**																						
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		O03S		OX3S
4			EM65C		EX87E		FF48F		FL41J		FU45G		FY72H		0402086-08		0406074-03		0408026-04		0502070-02		P5F0668-03		P5H1000-04
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
7	1	**CHLORINATED PHENOLS (µg/L)**																							
8	2	**EPA Method SW8040**																							
9	3	Pentachlorophenol	NA		**1200**	J	**5700**		**2600**		NA		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		**2.4**	J	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		**1.3**	J	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		9.2	UJ	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		0.25	UJ	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		**320**	J	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		**29**	J	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																								
17	11	**SEMIVOLATILES (µg/L)**																							
18	12	**EPA Method SW8270**																							
19	13	Phenol	NA		NA		NA		NA		NA		NA		NA		1.95	U	**15.7**		1.94	U	11.0	U	5.00 U
20	14	4-Methylphenol	NA		NA		NA		NA		NA		NA		NA		9.77	U	**22.2**		9.68	U	5.00	U	5.00 U
21	15	Isophorone	NA		NA		NA		NA		NA		NA		NA		0.977	U	1	U	0.968	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		NA		2.93	U	**13.9**		**6.2**		10.00	U	10.0 U
23	17	Benzoic Acid	NA		NA		NA		NA		NA		NA		NA		19.5	U	20	U	19.4	U	50.0	U	50.0 U
24	18	Naphthalene	NA		NA		NA		NA		NA		NA		NA		**29.9**		**20.2**		**23.8**		**16**		**13.8**
25	19	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		**13.5**		**9.63**		**7.17**		**10.2**		**7.96**
26	20	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		4.88	U	5	U	4.84	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		4.88	U	5	U	4.84	U	5.00	U	5.00 U
28	22	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		0.977	U	1	U	0.968	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		0.977	U	1	U	0.968	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		NA		NA		NA		NA		NA		0.977	U	1	U	0.968	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		NA		NA		**1400**	J	**130**		**344**		**728**		**59.2**		**28.7**		**77.9**		**42**
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		NA		0.977	U	1	U	0.968	U	10.00	U	10.0 U
33	27																								
34	28	**VOLATILES (µg/L)**																							
35	29	**EPA Method SW8260**																							
36	30	Acetone	120	U	**240**		NA		NA		NA		NA		NA		50	U	**78.2**		50	U	NA		50.0 U
37	31	Carbon Disulfide	25	U	1	U	NA		NA		NA		NA		NA		2	U	**3.34**		2	U	NA		20.0 U
38	32	2-Butanone	120	U	**20**		NA		NA		NA		NA		NA		10	U	**27**		10	U	NA		20.0 U
39	33	Benzene	**66**		**94**		NA		NA		NA		NA		NA		**130**		**156**		**111**		NA		**79.2**
40	34	Bromoform	25	U	1	U	NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		2.00 U
41	35	Toluene	**63**		**31**		NA		NA		NA		NA		NA		**7.84**		**21.6**		**3.44**		NA		2.00 U
42	36	Ethylbenzene	**280**		**110**		NA		NA		NA		NA		NA		**206**		**250**		**161**		NA		**132**
43	37	Styrene	25	U	1	U	NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		2.00 U
44	38	m,p-Xylene	**820**		**430**		NA		NA		NA		NA		NA		**477**		**605**		**278**		NA		**129**
45	39	o-Xylene	**370**		**150**		NA		NA		NA		NA		NA		**225**		**295**		**152**		NA		**114**
46	40	1,3,5-Trimethylbenzene	**160**		**120**		NA		NA		NA		NA		NA		**92.3**		**113**		**139**		NA		**53.3**
47	41	1,2,4-Trimethylbenzene	**520**		**350**		NA		NA		NA		NA		NA		**331**		**360**		**354**		NA		**210**
48	42	Isopropylbenzene	**57**		**56**		NA		NA		NA		NA		NA		**70.1**		**79.1**		**69.9**		NA		**40.6**
49	43	n-Propylbenzene	**83**		**75**		NA		NA		NA		NA		NA		**103**		**78.4**		**99.7**		NA		**58.3**
50	44	tert-Butylbenzene	25	U	1	U	NA		NA		NA		NA		NA		**2.81**		**2.34**		1	U	NA		**2.36**
51	45	sec-Butylbenzene	25	U	**13**		NA		NA		NA		NA		NA		**15**		**13**		**17**		NA		**8.80**
52	46	4-Isopropyltoluene	25	U	**13**		NA		NA		NA		NA		NA		**12.1**		**12.5**		**14.8**		NA		**7.54**
53	47	n-Butylbenzene	25	U	**11**	M	NA		NA		NA		NA		NA		**8.37**		**8.92**		**13**		NA		10.0 U
54	48	Naphthalene	120	U	**37**		NA		NA		NA		NA		NA		**48.7**		**50.4**		**39.4**		NA		**28.3**
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		1	U	1	U	1	U	NA		2.00 U
56	49																								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																							
58	51	**Method OR-DEQ**																							
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																								

TABLE F-10
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DETECTED CONSTITUENTS
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		O03S		OX3S
4			EM65C		EX87E		FF48F		FL41J		FU45G		FY72H		0402086-08		0406074-03		0408026-04		0502070-02		P5F0668-03		P5H1000-04
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
63	56	**PRIORITY POLLUTANT**																							
64	57	**METALS (mg/L)**																							
65	58	Arsenic (7060)	**0.02**		NA		NA		NA		NA		NA		NA		**0.021**		**0.0148**		**0.0126**		**0.0144**		**0.0116**
66	59	Chromium (6010)	0.005	U	NA		NA		NA		NA		NA		NA		**0.0119**		**0.0159**		**0.0051**		0.001	U	0.001 U
67	60	Copper (6010)	**0.002**		NA		NA		NA		NA		NA		NA		0.01	U	0.01	U	0.01	U	**0.00352**		**0.00256**
68	61	Lead (7421)	0.001	U	NA		NA		NA		NA		NA		NA		0.0001	U	**0.000426**		**0.00022**		0.001	U	0.001 U
69	62	Nickel (6010)	0.01	U	NA		NA		NA		NA		NA		NA		0.005	U	**0.0435**		**0.0915**		**0.18**		**0.153**
70	63	Zinc (6010)	**0.012**		NA		NA		NA		NA		NA		NA		0.01	U	**0.019**		**0.0181**		**0.0154**		**0.0128**
71	64																								
72	65	**MAJOR IONS AND CONVENTIONALS**																							
73	66	Calcium (mg/L) (6010)	**40.2**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	**11**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	**3.8**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	**8.75**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**160**		**270**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**160**		**270**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**270**		NA		NA		NA		NA		NA		NA		**369**		**461**		**226**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		NA		**4.44**		**3.73**		**4.67**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																								

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		O03S		OX3S
4			EM65C		EX87E		FF48F		FL41J		FU45G		FY72H		0402086-08		0406074-03		0408026-04		0502070-02		P5F0668-03		P5H1000-04
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
87	80	**FIELD PARAMETERS**																							
88	81	pH (avg)	5.94		6.44		6.59		6.73		6.7		6.65		6.54		6.16		5.85		6.45		5.99		5.71
89	82	Temperature (° C) (avg)	14.4		15.3		15.1		13.5		15.2		16.2		14.1		15		18		13.9		15.3		16.1
90	83	Conductivity (um/hos)	342		502		381		340		287		318		386		447		592		237		257		416
91	84	Dissolved oxygen (mg/L) (avg)	4.34		0		1.24		2.93		2.07		2.14		1.76		0.74		1.4		0		0		NM
92	85																								
93	86	**DIOXINS AND FURANS (ng/L)**																							
94	87	**Method 8290**																							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
120																									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1																									
2																									
3			OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		OX3S		O03S		OX3S
4			EM65C		EX87E		FF48F		FL41J		FU45G		FY72H		0402086-08		0406074-03		0408026-04		0502070-02		P5F0668-03		P5H1000-04
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		10/22/03		2/18/04		6/10/04		8/04/04		2/16/05		6/14/05		08/23/05
123		**PAHs (µg/L)**																							
124		**EPA Method SW8270 SIM**																							
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		1	U	NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2																				
3			OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S	
4			EM65D		EX87F		FF48I		FL41K		FU45J		0402086-11		0406074-04		0408026-05		P5F0553-02	
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		2/18/04		6/10/04		8/04/04		6/13/05	
7	1	**CHLORINATED PHENOLS (µg/L)**																		
8	2	**EPA Method SW8040**																		
9	3	Pentachlorophenol	NA		**1200**	J	**880**		**8300**		**2200**	J	**1410**		NA		NA		NA	
10	4	2,4,6-Trichlorophenol	NA		**2.7**	J	NA		NA		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	NA		**0.81**	J	NA		NA		NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	NA		11	UJ	NA		NA		NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	NA		0.25	UJ	NA		NA		NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		**320**	J	NA		NA		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		**32**	J	NA		NA		NA		NA		NA		NA		NA	
16	10																			
17	11	**SEMIVOLATILES (µg/L)**																		
18	12	**EPA Method SW8270**																		
19	13	Phenol	NA		NA		NA		NA		NA		NA		1.99	U	2	U	5.00	U
20	14	4-Methylphenol	NA		NA		NA		NA		NA		NA		9.93	U	10	U	5.00	U
21	15	Isophorone	NA		NA		NA		NA		NA		NA		0.993	U	1	U	5.00	U
22	16	2,4-Dimethylphenol	NA		NA		NA		NA		NA		NA		2.98	U	**7.25**		10.00	U
23	17	Benzoic Acid	NA		NA		NA		NA		NA		NA		19.9	U	20	U	50.0	U
24	18	Naphthalene	NA		NA		NA		NA		NA		NA		**43.7**		**28.5**		**38.5**	
25	19	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		**42.9**		**20.7**		**26.7**	
26	20	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		4.97	U	5	U	5.00	U
27	21	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		**7.59**		5	U	5.00	U
28	22	Acenaphthene	NA		NA		NA		NA		NA		NA		0.993	U	1	U	5.00	U
29	23	Dibenzofuran	NA		NA		NA		NA		NA		NA		0.993	U	1	U	5.00	U
30	24	Fluorene	NA		NA		NA		NA		NA		NA		0.993	U	1	U	5.00	U
31	25	Pentachlorophenol	NA		NA		NA		NA		NA		NA		**634**		**96.7**		**13.1**	
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		NA		NA		NA		**1.42**		1	U	10.00	U
33	27																			
34	28	**VOLATILES (µg/L)**																		
35	29	**EPA Method SW8260**																		
36	30	Acetone	120	U	**12**	M	NA		NA		NA		NA		50	U	**157**		NA	
37	31	Carbon Disulfide	25	U	**1.3**		NA		NA		NA		NA		2	U	2	U	NA	
38	32	2-Butanone	120	U	5	U	NA		NA		NA		NA		10	U	**18.8**		NA	
39	33	Benzene	25	U	**24**		NA		NA		NA		NA		**109**		**77**		NA	
40	34	Bromoform	25	U	1	U	NA		NA		NA		NA		1	U	1	U	NA	
41	35	Toluene	**71**		**23**		NA		NA		NA		NA		**2.77**		**6.91**		NA	
42	36	Ethylbenzene	**440**		**330**		NA		NA		NA		NA		**292**		**303**		NA	
43	37	Styrene	25	U	1	U	NA		NA		NA		NA		1	U	1	U	NA	
44	38	m,p-Xylene	**1300**		**820**		NA		NA		NA		NA		**236**		**324**		NA	
45	39	o-Xylene	**500**		**430**		NA		NA		NA		NA		**318**		**336**		NA	
46	40	1,3,5-Trimethylbenzene	**220**		**200**		NA		NA		NA		NA		**158**		**141**		NA	
47	41	1,2,4-Trimethylbenzene	**590**		**580**		NA		NA		NA		NA		**524**		**532**		NA	
48	42	Isopropylbenzene	**86**		**120**		NA		NA		NA		NA		**108**		**88.2**		NA	
49	43	n-Propylbenzene	**110**		**120**		NA		NA		NA		NA		**125**		**114**		NA	
50	44	tert-Butylbenzene	25	U	1	U	NA		NA		NA		NA		**3.95**		**2.82**		NA	
51	45	sec-Butylbenzene	25	U	**22**		NA		NA		NA		NA		**24.6**		**14.6**		NA	
52	46	4-Isopropyltoluene	25	U	**24**		NA		NA		NA		NA		**22.3**		**15.4**		NA	
53	47	n-Butylbenzene	25	U	**25**	M	NA		NA		NA		NA		**17.7**		**10.8**		NA	
54	48	Naphthalene	120	U	**99**		NA		NA		NA		NA		**64.9**		**66**		NA	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		1	U	1	U	NA	
56	49																			
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																		
58	51	**Method OR-DEQ**																		
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA	
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2																				
3			OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S	
4			EM65D		EX87F		FF48I		FL41K		FU45J		0402086-11		0406074-04		0408026-05		P5F0553-02	
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		2/18/04		6/10/04		8/04/04		6/13/05	
63	56	**PRIORITY POLLUTANT**																		
64	57	**METALS (mg/L)**																		
65	58	Arsenic (7060)	**0.021**		NA		NA		NA		NA		NA		**0.015**		**0.0137**		**0.0132**	
66	59	Chromium (6010)	0.005	U	NA		NA		NA		NA		NA		**0.034**		0.005	U	0.001	U
67	60	Copper (6010)	0.002	U	NA		NA		NA		NA		NA		**0.0256**		0.01	U	**0.00504**	
68	61	Lead (7421)	0.001	U	NA		NA		NA		NA		NA		**0.0084**		**0.00107**		0.001	U
69	62	Nickel (6010)	0.01	U	NA		NA		NA		NA		NA		**0.0219**		**0.0099**		**0.0483**	
70	63	Zinc (6010)	**0.008**		NA		NA		NA		NA		NA		**0.0674**		**0.0114**		**0.00939**	
71	64																			
72	65	**MAJOR IONS AND CONVENTIONALS**																		
73	66	Calcium (mg/L) (6010)	**37.9**		NA		NA		NA		NA		NA		NA		NA		NA	
74	67	Magnesium (mg/L) (6010)	**10.4**		NA		NA		NA		NA		NA		NA		NA		NA	
75	68	Potassium (mg/L) (6010)	**3.6**		NA		NA		NA		NA		NA		NA		NA		NA	
76	69	Sodium (mg/L) (6010)	**8.42**		NA		NA		NA		NA		NA		NA		NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**160**		**240**		NA		NA		NA		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1	U	NA		NA		NA		NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**160**		**240**		NA		NA		NA		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**250**		NA		NA		NA		NA		NA		**271**		**456**		NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		NA		NA		NA		**4.11**		**3.42**		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA	
86	79																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2																				
3			OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S	
4			EM65D		EX87F		FF48I		FL41K		FU45J		0402086-11		0406074-04		0408026-05		P5F0553-02	
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		2/18/04		6/10/04		8/04/04		6/13/05	
87	80	**FIELD PARAMETERS**																		
88	81	pH (avg)	6.74		NM		6.39		6.09		6.41		6.27		6.19		6.07		6.44	
89	82	Temperature (° C) (avg)	14.5		NM		14.7		14		18		13.8		14.9		16.6		15.6	
90	83	Conductivity (um/hos)	326		NM		336		142		262		242		384		813		365	
91	84	Dissolved oxygen (mg/L) (avg)	4.42		NM		2.19		2.47		2.16		2.22		1.1		3.44		2.24	
92	85																			
93	86	**DIOXINS AND FURANS (ng/L)**																		
94	87	**Method 8290**																		
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																				
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2																				
3			OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S		OX4S	
4			EM65D		EX87F		FF48I		FL41K		FU45J		0402086-11		0406074-04		0408026-05		P5F0553-02	
5			6/24/02		10/29/02		2/10/03		5/7/03		8/28/03		2/18/04		6/10/04		8/04/04		6/13/05	
123		**PAHs (µg/L)**																		
124		**EPA Method SW8270 SIM**																		
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		1	U	NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		1	U	NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S
4			FY72A		0402086-01		0406074-05		0408026-06		0411066-03		0502070-03		P5F0342-01		P5H1000-01
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	0.5	U	0.482	U	NA		NA		NA		NA		0.495	U	0.476 U
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	NA		NA		1.95	U	2	U	2.02	U	1.97	U	5.00	U	5.00 UJ
20	14	4-Methylphenol	NA		NA		9.73	U	10	U	10.1	U	9.87	U	5.00	U	5.00 UJ
21	15	Isophorone	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		2.92	U	3	U	3.03	U	2.96	U	10.00	U	10.0 UJ
23	17	Benzoic Acid	NA		NA		19.5	U	20	U	20.2	U	19.7	U	50.0	U	50.0 UJ
24	18	Naphthalene	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	NA		NA		4.86	U	5	U	5.05	U	4.94	U	5.00	U	5.00 UJ
27	21	2,4,5-Trichlorophenol	NA		NA		4.86	U	5	U	5.05	U	4.94	U	5.00	U	5.00 UJ
28	22	Acenaphthene	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		0.973	U	1	U	1.01	U	0.987	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		4.86	U	5	U	5.05	U	4.94	U	10.00	U	10.0 UJ
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		0.973	U	1	U	1.01	U	0.987	U	10.00	U	10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	NA		NA		50	U	50	U	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	NA		NA		2	U	2	U	2	U	2	U	NA		10.0 U
38	32	2-Butanone	NA		NA		10	U	10	U	10	U	10	U	NA		10.0 U
39	33	Benzene	NA		NA		0.3	U	0.3	U	0.3	U	**0.46**		NA		1.00 U
40	34	Bromoform	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
41	35	Toluene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
42	36	Ethylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
43	37	Styrene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	NA		NA		2	U	2	U	2	U	2	U	NA		2.00 U
45	39	o-Xylene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
46	40	1,3,5-Trimethylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
47	41	1,2,4-Trimethylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
48	42	Isopropylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		2.00 U
49	43	n-Propylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
50	44	tert-Butylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
51	45	sec-Butylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
52	46	4-Isopropyltoluene	NA		NA		1	U	1	U	1	U	1	U	NA		2.00 U
53	47	n-Butylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		5.00 U
54	48	Naphthalene	NA		NA		1	U	1	U	1	U	**3.06**		NA		2.00 U
55	48.5	Methyl tert-butyl ether	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S
4			FY72A		0402086-01		0406074-05		0408026-06		0411066-03		0502070-03		P5F0342-01		P5H1000-01
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	NA		NA		**0.010**		**0.014**		**0.0135**		**0.0145**		**0.0142**		**0.0124**
66	59	Chromium (6010)	NA		NA		**0.0126**		**0.0155**		0.005	U	**0.0088**		0.001	U	0.001 U
67	60	Copper (6010)	NA		NA		0.01	U	0.01	U	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	NA		NA		0.0001	U	0.0001	U	0.00048	U	**0.000561**		0.001	U	0.001 U
69	62	Nickel (6010)	NA		NA		0.005	U	0.005	U	0.005	U	0.005	U	**0.00291**		**0.00252**
70	63	Zinc (6010)	NA		NA		0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01 U
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		**255**		**276**		**211**		**171**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		**3.44**		**3.19**		**2.3**		**2.19**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S
4			FY72A		0402086-01		0406074-05		0408026-06		0411066-03		0502070-03		P5F0342-01		P5H1000-01
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.59		6.63		6.27		5.96		6.41		6.8		6.68		6.07
89	82	Temperature (° C) (avg)	16.5		12.9		12.3		15.6		15.5		13.7		14.2		15.5
90	83	Conductivity (um/hos)	288		234		346		510		248		148		202		262
91	84	Dissolved oxygen (mg/L) (avg)	1.18		3.16		1.76		2.63		2.05		0.67		4.29		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S		OX5S
4			FY72A		0402086-01		0406074-05		0408026-06		0411066-03		0502070-03		P5F0342-01		P5H1000-01
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		1	U	NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		1	U	NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2											Dup of OX6S								
3			OX6S		OX6S		OX6S		OX6S		Y		OX6S		OX6S		OX6S		OX6S
4			FY72B		0402086-02		0406074-06		0408026-07		0408026-01		0411066-04		0502070-04		P5F0342-02		P5H1000-08
5			10/22/03		2/18/04		6/10/04		8/04/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
6																			
7	1	**CHLORINATED PHENOLS (µg/L)**																	
8	2	**EPA Method SW8040**																	
9	3	Pentachlorophenol	**2100**		**527**		NA		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																		
17	11	**SEMIVOLATILES (µg/L)**																	
18	12	**EPA Method SW8270**																	
19	13	Phenol	NA		NA		2	U	2	U	2	U	1.97	U	1.9	U	5.00	U	5.00 U
20	14	4-Methylphenol	NA		NA		10	U	10	U	10	U	9.84	U	9.51	U	5.00	U	5.00 U
21	15	Isophorone	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		3	U	3	U	3	U	2.95	U	2.85	U	10.00	U	10.0 U
23	17	Benzoic Acid	NA		NA		20	U	20	U	20	U	19.7	U	19	U	50.0	U	50.0 U
24	18	Naphthalene	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	NA		NA		5.01	U	5	U	5	U	4.92	U	4.75	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	NA		NA		5.01	U	5	U	5	U	4.92	U	4.75	U	5.00	U	5.00 U
28	22	Acenaphthene	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		NA		**604**		**498**		**624**		**127**		**600**		**2030**
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		1	U	1	U	1	U	0.984	U	0.951	U	10.00	U	10.0 U
33	27																		
34	28	**VOLATILES (µg/L)**																	
35	29	**EPA Method SW8260**																	
36	30	Acetone	NA		NA		50	U	50	U	50	U	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	NA		NA		2	U	2	U	2	U	2	U	2	U	NA		10.0 U
38	32	2-Butanone	NA		NA		10	U	10	U	10	U	10	U	10	U	NA		10.0 U
39	33	Benzene	NA		NA		0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	NA		1.00 U
40	34	Bromoform	NA		NA		1	U	1	U	1	U	1	U	1	U	NA		1.00 U
41	35	Toluene	NA		NA		1	U	1	U	1	U	1	U	1	U	NA		1.00 U
42	36	Ethylbenzene	NA		NA		**1.31**		1	U	**1.19**	J	1	U	1	U	NA		1.00 U
43	37	Styrene	NA		NA		1	U	1	U	1	U	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	NA		NA		2	U	2	U	2	U	2	U	2	U	NA		2.00 U
45	39	o-Xylene	NA		NA		**5.49**		**3.11**	J	**3.36**	J	1	U	**4.09**		NA		1.00 U
46	40	1,3,5-Trimethylbenzene	NA		NA		**17.7**		**10.9**	J	**11.9**	J	1	U	1	U	NA		1.00 U
47	41	1,2,4-Trimethylbenzene	NA		NA		**83.7**		**77.6**	J	**75.9**	J	1	U	**11.6**		NA		**7.47**
48	42	Isopropylbenzene	NA		NA		**4.94**		**2.23**	J	**2.43**	J	**1.8**		**2.51**		NA		2.00 U
49	43	n-Propylbenzene	NA		NA		**9.71**		**4.69**	J	**5.33**	J	1	U	**2.81**		NA		**1.17**
50	44	tert-Butylbenzene	NA		NA		1	U	1	U	1	U	1	U	1	U	NA		1.00 U
51	45	sec-Butylbenzene	NA		NA		**6.54**		**8.04**	J	**7.9**	J	**1.5**		**4.7**		NA		**3.68**
52	46	4-Isopropyltoluene	NA		NA		**2.71**		**3.4**	J	**3.74**	J	1	U	1	U	NA		2.00 U
53	47	n-Butylbenzene	NA		NA		**2.06**		**2.1**	J	**2.31**	J	1	U	**3.89**		NA		5.00 U
54	48	Naphthalene	NA		NA		**5.3**		**3.92**	J	**4.48**	J	1	U	**2.71**		NA		2.00 U
55	48.5	Methyl tert-butyl ether	NA		NA		1	U	1	U	1	U	1	U	1	U	NA		1.00 U
56	49																		
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																	
58	51	**Method OR-DEQ**																	
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2											Dup of OX6S								
3			OX6S		OX6S		OX6S		OX6S		Y		OX6S		OX6S		OX6S		OX6S
4			FY72B		0402086-02		0406074-06		0408026-07		0408026-01		0411066-04		0502070-04		P5F0342-02		P5H1000-08
5			10/22/03		2/18/04		6/10/04		8/04/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
63	56	**PRIORITY POLLUTANT**																	
64	57	**METALS (mg/L)**																	
65	58	Arsenic (7060)	NA		NA		**0.013**		**0.013**		**0.0127**		**0.0133**		**0.0531**		**0.00548**		**0.00352**
66	59	Chromium (6010)	NA		NA		**0.0147**		**0.0127**		**0.0142**		0.005	U	**0.0068**		0.001	U	0.001 U
67	60	Copper (6010)	NA		NA		0.01	U	0.01	U	0.01	U	0.01	U	**0.0444**		**0.00716**		**0.0125**
68	61	Lead (7421)	NA		NA		0.0001	U	0.0001	U	0.0001	U	**0.00194**		**0.00287**		0.001	U	0.001 U
69	62	Nickel (6010)	NA		NA		0.005	U	0.005	U	0.005	U	**0.25**		**0.113**		**0.117**		**0.0616**
70	63	Zinc (6010)	NA		NA		0.01	U	0.01	U	0.01	U	**0.0833**		**0.0964**		**0.020**		**0.0174**
71	64																		
72	65	**MAJOR IONS AND CONVENTIONALS**																	
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		**284**		**284**		**277**		**160**		**313**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		**3.13**		**3.13**		**3.07**		**3.75**		**2.95**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2											Dup of OX6S								
3			OX6S		OX6S		OX6S		OX6S		Y		OX6S		OX6S		OX6S		OX6S
4			FY72B		0402086-02		0406074-06		0408026-07		0408026-01		0411066-04		0502070-04		P5F0342-02		P5H1000-08
5			10/22/03		2/18/04		6/10/04		8/04/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
87	80	**FIELD PARAMETERS**																	
88	81	pH (avg)	6.67		6.63		6.38		5.93		5.91		6.55		6.43		6.22		6.15
89	82	Temperature (° C) (avg)	16.3		14.4		14.6		15.8		16.2		16.2		NM		13.8		15.5
90	83	Conductivity (um/hos)	352		353		374		517		517		479		NM		575		335
91	84	Dissolved oxygen (mg/L) (avg)	2.63		1.23		1.38		2.6		2.28		0.55		NM		2.42		NM
92	85																		
93	86	**DIOXINS AND FURANS (ng/L)**																	
94	87	**Method 8290**																	
95	88	2,3,7,8-TCDF	NA		NA		0.001007	U	0.001308	U	NA		0.001679	UJ	0.000503	U	0.0098	U	0.0096 U
96	89	Total TCDF	NA		NA		0.001007	U	0.001308	U	NA		0.001679	U	0.000503	U	0.0098	U	0.0096 U
97	90	2,3,7,8-TCDD	NA		NA		0.001143	U	0.001655	U	NA		0.000421	UJ	0.000247	U	0.0098	U	0.0096 U
98	91	Total TCDD	NA		NA		0.001143	U	0.001655	U	NA		0.000421	U	0.000247	U	0.0098	U	0.0096 U
99	92	1,2,3,7,8-PeCDF	NA		NA		0.000721	U	0.001565	U	NA		0.000886	UJ	0.001959	UJ	0.049	U	0.048 U
100	93	2,3,4,7,8-PeCDF	NA		NA		0.000702	U	0.001496	U	NA		0.001359	UJ	0.001528	UJ	0.049	U	0.048 U
101	94	Total PeCDF	NA		NA		**0.00675**		0.001496	U	NA		**0.016804**		**0.042411**		0.049	U	0.048 U
102	95	1,2,3,7,8-PeCDD	NA		NA		0.001091	U	0.002223	U	NA		0.001631	U	0.000308	U	0.049	U	0.048 U
103	96	Total PeCDD	NA		NA		0.001091	U	0.002223	U	NA		0.001631	U	0.000308	U	0.049	U	0.048 U
104	97	1,2,3,4,7,8-HxCDF	NA		NA		**0.002389**	J	**0.005124**	J	NA		0.002207	UJ	**0.006875**	J	0.049	U	0.048 U
105	98	1,2,3,6,7,8-HxCDF	NA		NA		0.000732	U	0.001659	U	NA		0.001128	U	0.004071	U	0.049	U	0.048 U
106	99	2,3,4,6,7,8-HxCDF	NA		NA		0.000802	U	0.001727	U	NA		0.001206	U	0.004352	U	0.049	U	0.048 U
107	100	1,2,3,7,8,9-HxCDF	NA		NA		0.000894	U	0.002002	U	NA		0.001389	U	0.005011	U	0.049	U	0.048 U
108	101	Total HxCDF	NA		NA		**0.037855**		**0.117654**		NA		**0.064214**		**0.311203**		0.049	U	**0.070**
109	102	1,2,3,4,7,8-HxCDD	NA		NA		0.001267	U	0.002125	U	NA		0.000608	U	0.000383	U	0.049	U	0.048 U
110	103	1,2,3,6,7,8-HxCDD	NA		NA		**0.006653**	J	**0.014629**	J	NA		**0.013944**	J	**0.053899**		0.049	U	0.048 U
111	104	1,2,3,7,8,9-HxCDD	NA		NA		0.001076	U	0.001949	U	NA		0.000578	U	0.003976	UJ	0.049	U	0.048 U
112	105	Total HxCDD	NA		NA		**0.017614**		**0.037485**		NA		**0.029549**		**0.125227**		0.049	U	0.048 U
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		**0.023098**		**0.059996**		NA		**0.045009**		**0.228015**		0.049	U	**0.049**
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		0.001711	U	**0.007017**	J	NA		0.001752	U	**0.008529**	J	0.049	U	0.048 U
115	108	Total HpCDF	NA		NA		**0.125689**		**0.325386**		NA		**0.23456**		**1.17**		**0.12**		**0.240**
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		**0.160343**		**0.381169**		NA		**0.292709**		**1.55**		**0.16**		**0.260**
117	110	Total HpCDD	NA		NA		**0.251496**		**0.588687**		NA		**0.450367**		**2.40**		**0.25**		**0.440**
118	111	OCDF	NA		NA		**0.087928**		**0.244329**		NA		**0.201198**		**1.50**		**0.12**		**0.180**
119	112	OCDD	NA		NA		**0.761183**		**1.997929**		NA		**1.588077**		**11.76**		**1.00**		**1.700**
120																			
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA
122																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2											Dup of OX6S								
3			OX6S		OX6S		OX6S		OX6S		Y		OX6S		OX6S		OX6S		OX6S
4			FY72B		0402086-02		0406074-06		0408026-07		0408026-01		0411066-04		0502070-04		P5F0342-02		P5H1000-08
5			10/22/03		2/18/04		6/10/04		8/04/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
123		**PAHs (µg/L)**																	
124		**EPA Method SW8270 SIM**																	
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		1	U	1	U	NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		1	U	1	U	NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S
4			FY72C		0402086-03		0406074-07		0408026-08		0411066-05		0502070-05		P5F0342-03		P5H1000-07
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
6																	
7	1	**CHLORINATED PHENOLS (µg/L)**															
8	2	**EPA Method SW8040**															
9	3	Pentachlorophenol	**720**		**166**		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA
16	10																
17	11	**SEMIVOLATILES (µg/L)**															
18	12	**EPA Method SW8270**															
19	13	Phenol	NA		NA		1.98	U	2	U	2.01	U	1.95	U	5.00	U	5.00 U
20	14	4-Methylphenol	NA		NA		9.92	U	10	U	10	U	9.76	U	5.00	U	5.00 U
21	15	Isophorone	NA		NA		0.992	U	1	U	1	U	0.976	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		2.98	U	3	U	3.01	U	2.93	U	10.00	U	10.0 U
23	17	Benzoic Acid	NA		NA		19.8	U	20	U	20.1	U	19.5	U	50.0	U	50.0 U
24	18	Naphthalene	NA		NA		**1.86**		**1.5**		1	U	0.976	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	NA		NA		0.992	U	1	U	1	U	0.976	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	NA		NA		4.96	U	5	U	5.02	U	4.88	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	NA		NA		4.96	U	5	U	5.02	U	4.88	U	5.00	U	5.00 U
28	22	Acenaphthene	NA		NA		0.992	U	1	U	1	U	0.976	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		0.992	U	1	U	1	U	0.976	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		0.992	U	1	U	1	U	0.976	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		**634**		**130**		**84.7**		**30.8**		**41.6**		**81.0**
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		0.992	U	1	U	1	U	0.976	U	10.00	U	10.0 U
33	27																
34	28	**VOLATILES (µg/L)**															
35	29	**EPA Method SW8260**															
36	30	Acetone	NA		NA		50	U	50	U	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	NA		NA		2	U	2	U	2	U	2	U	NA		10.0 U
38	32	2-Butanone	NA		NA		10	U	10	U	10	U	10	U	NA		10.0 U
39	33	Benzene	NA		NA		0.3	U	0.3	U	0.3	U	0.3	U	NA		1.00 U
40	34	Bromoform	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
41	35	Toluene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
42	36	Ethylbenzene	NA		NA		1	U	**1.18**	J	1	U	1	U	NA		1.00 U
43	37	Styrene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	NA		NA		2	U	2	U	2	U	2	U	NA		2.00 U
45	39	o-Xylene	NA		NA		**2.79**		**3.76**	J	1	U	**1.3**		NA		1.00 U
46	40	1,3,5-Trimethylbenzene	NA		NA		**3.24**		**7.29**	J	1	U	1	U	NA		1.00 U
47	41	1,2,4-Trimethylbenzene	NA		NA		**27.3**		**54.2**	J	**13.2**		**2.68**		NA		1.00 U
48	42	Isopropylbenzene	NA		NA		**1.23**		**1.62**	J	**1.4**		1	U	NA		2.00 U
49	43	n-Propylbenzene	NA		NA		**1.85**		**3.26**	J	1	U	1	U	NA		1.00 U
50	44	tert-Butylbenzene	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
51	45	sec-Butylbenzene	NA		NA		**1.4**		**3.37**	J	1	U	**2.77**		NA		**1.29**
52	46	4-Isopropyltoluene	NA		NA		1	U	**1.42**	J	1	U	1	U	NA		2.00 U
53	47	n-Butylbenzene	NA		NA		1	U	**1.25**	J	1	U	1	U	NA		5.00 U
54	48	Naphthalene	NA		NA		**4.59**		**4.89**	J	1	U	1	U	NA		2.00 U
55	48.5	Methyl tert-butyl ether	NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
56	49																
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**															
58	51	**Method OR-DEQ**															
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA
62	55																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S
4			FY72C		0402086-03		0406074-07		0408026-08		0411066-05		0502070-05		P5F0342-03		P5H1000-07
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
63	56	**PRIORITY POLLUTANT**															
64	57	**METALS (mg/L)**															
65	58	Arsenic (7060)	NA		NA		**0.011**		**0.014**		**0.0178**		**0.02**		**0.00602**		**0.00417**
66	59	Chromium (6010)	NA		NA		**0.0162**		**0.0139**		0.005	U	**0.0085**		0.001	U	0.001 U
67	60	Copper (6010)	NA		NA		0.01	U	0.01	U	0.01	U	**0.0121**		**0.00671**		**0.00246**
68	61	Lead (7421)	NA		NA		0.0001	U	0.0001	U	**0.001**		**0.00184**		0.001	U	0.001 U
69	62	Nickel (6010)	NA		NA		0.005	U	0.005	U	**0.169**		**0.0689**		**0.0674**		**0.118**
70	63	Zinc (6010)	NA		NA		0.01	U	0.01	U	**0.0295**		**0.0304**		**0.0167**		**0.0266**
71	64																
72	65	**MAJOR IONS AND CONVENTIONALS**															
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		**315**		**241**		**355**		**290**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		**2.88**		**2.91**		**3.76**		**2.11**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA
86	79																

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S
4			FY72C		0402086-03		0406074-07		0408026-08		0411066-05		0502070-05		P5F0342-03		P5H1000-07
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
87	80	**FIELD PARAMETERS**															
88	81	pH (avg)	6.60		6.57		6.3		5.88		6.6		6.44		6.02		5.95
89	82	Temperature (° C) (avg)	16.1		13.8		14.2		15.7		16		14.9		14.0		15.7
90	83	Conductivity (um/hos)	326		393		370		489		416		238		500		418
91	84	Dissolved oxygen (mg/L) (avg)	1.76		2.2		3.02		3.6		0.72		1.06		3.93		NM
92	85																
93	86	**DIOXINS AND FURANS (ng/L)**															
94	87	**Method 8290**															
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA
120																	
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA
122																	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1																	
2																	
3			OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S		OX7S
4			FY72C		0402086-03		0406074-07		0408026-08		0411066-05		0502070-05		P5F0342-03		P5H1000-07
5			10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
123		**PAHs (µg/L)**															
124		**EPA Method SW8270 SIM**															
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		1	U	NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		1	U	NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of OX8S														
3			OX8S		Y		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S
4			FY72E		FY72D		0402086-04		0406074-08		0408026-09		0411066-06		0502070-06		P5F0342-08		P5H1000-05
5			10/22/03		10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
6																			
7	1	**CHLORINATED PHENOLS (µg/L)**																	
8	2	**EPA Method SW8040**																	
9	3	Pentachlorophenol	**260**		**300**		**56.4**		NA		NA		NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA
16	10																		
17	11	**SEMIVOLATILES (µg/L)**																	
18	12	**EPA Method SW8270**																	
19	13	Phenol	NA		NA		NA		1.97	U	2	U	1.93	U	1.96	U	5.00	U	5.00 U
20	14	4-Methylphenol	NA		NA		NA		9.84	U	10	U	9.64	U	9.81	U	5.00	U	5.00 U
21	15	Isophorone	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	NA		NA		NA		2.95	U	3	U	2.89	U	2.94	U	10.00	U	10.0 U
23	17	Benzoic Acid	NA		NA		NA		19.7	U	20	U	19.3	U	19.6	U	50.0	U	50.0 U
24	18	Naphthalene	NA		NA		NA		**3.38**		**1.09**		0.964	U	0.981	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	NA		NA		NA		4.92	U	5	U	4.82	U	4.91	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	NA		NA		NA		4.92	U	5	U	4.82	U	4.91	U	5.00	U	5.00 U
28	22	Acenaphthene	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	5.00	U	5.00 U
29	23	Dibenzofuran	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	5.00	U	5.00 U
30	24	Fluorene	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	5.00	U	5.00 U
31	25	Pentachlorophenol	NA		NA		NA		**206**		**76.8**		**55**		**95.9**		**59.6**		**19.2**
32	26	bis(2-Ethylhexyl)phthalate	NA		NA		NA		0.984	U	1	U	0.964	U	0.981	U	10.00	U	10.0 U
33	27																		
34	28	**VOLATILES (µg/L)**																	
35	29	**EPA Method SW8260**																	
36	30	Acetone	NA		NA		NA		50	U	50	U	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	NA		NA		NA		2	U	2	U	2	U	2	U	NA		10.0 U
38	32	2-Butanone	NA		NA		NA		10	U	10	U	10	U	10	U	NA		10.0 U
39	33	Benzene	NA		NA		NA		0.3	U	0.3	U	0.3	U	0.3	U	NA		1.00 U
40	34	Bromoform	NA		NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
41	35	Toluene	NA		NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
42	36	Ethylbenzene	NA		NA		NA		**3.06**		**4.15**	J	**6**		**4.38**		NA		1.00 U
43	37	Styrene	NA		NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	NA		NA		NA		2	U	**2.84**	J	**2.19**		2	U	NA		2.00 U
45	39	o-Xylene	NA		NA		NA		**12.4**		**18.8**	J	**20.1**		**6.23**		NA		**1.54**
46	40	1,3,5-Trimethylbenzene	NA		NA		NA		**32**		**33.6**	J	**8.28**		**2.28**		NA		**1.37**
47	41	1,2,4-Trimethylbenzene	NA		NA		NA		**109**		**101**	J	**107**		**55.2**		NA		**10.3**
48	42	Isopropylbenzene	NA		NA		NA		**10.6**		**12.4**	J	**11.8**		**10.7**		NA		2.00 U
49	43	n-Propylbenzene	NA		NA		NA		**19.6**		**15.3**	J	**14.8**		**23.3**		NA		**2.65**
50	44	tert-Butylbenzene	NA		NA		NA		**2.14**		**2.12**	J	**1.53**		**3.34**		NA		1.00 U
51	45	sec-Butylbenzene	NA		NA		NA		**20.1**		**19.2**	J	**10.1**		**14.2**		NA		**2.78**
52	46	4-Isopropyltoluene	NA		NA		NA		**4.03**		**4.85**	J	**1.55**		**3.44**		NA		2.00 U
53	47	n-Butylbenzene	NA		NA		NA		**3.89**		**4.94**	J	**2.13**		**6.17**		NA		5.00 U
54	48	Naphthalene	NA		NA		NA		**6.04**		**6.53**	J	1	U	**2.52**		NA		2.00 U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		1	U	1	U	1	U	1	U	NA		1.00 U
56	49																		
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																	
58	51	**Method OR-DEQ**																	
59	52	**TPH-Diesel**	NA		NA		NA		NA		NA		NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of OX8S														
3			OX8S		Y		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S
4			FY72E		FY72D		0402086-04		0406074-08		0408026-09		0411066-06		0502070-06		P5F0342-08		P5H1000-05
5			10/22/03		10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
63	56	**PRIORITY POLLUTANT**																	
64	57	**METALS (mg/L)**																	
65	58	Arsenic (7060)	NA		NA		NA		**0.012**		**0.0233**		**0.0259**		**0.0182**		**0.0219**		**0.021**
66	59	Chromium (6010)	NA		NA		NA		**0.0143**		**0.0123**		**0.0136**		0.005	U	**0.00127**		0.001 U
67	60	Copper (6010)	NA		NA		NA		0.01	U	0.01	U	0.01	U	0.01	U	**0.00782**		**0.00153**
68	61	Lead (7421)	NA		NA		NA		0.0001	U	0.0001	U	**0.00104**		**0.000603**		0.001	U	0.001 U
69	62	Nickel (6010)	NA		NA		NA		0.005	U	0.005	U	**0.0818**		**0.17**		**0.249**		**0.208**
70	63	Zinc (6010)	NA		NA		NA		0.01	U	0.01	U	**0.0139**		**0.0495**		**0.016**		**0.0123**
71	64																		
72	65	**MAJOR IONS AND CONVENTIONALS**																	
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA		NA		NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA		NA		NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA		NA		NA		**379**		**315**		**365**		**876**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		NA		**4.22**		**4.12**		**3.76**		**3.51**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA		NA		NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA		NA		NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA		NA		NA		NA		NA		NA
86	79																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of OX8S														
3			OX8S		Y		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S
4			FY72E		FY72D		0402086-04		0406074-08		0408026-09		0411066-06		0502070-06		P5F0342-08		P5H1000-05
5			10/22/03		10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
87	80	**FIELD PARAMETERS**																	
88	81	pH (avg)	6.65		6.65		6.65		6.33		5.94		6.59		6.49		6.31		6.17
89	82	Temperature (° C) (avg)	16.3		16.3		12.8		13.9		16.1		16.3		14.4		14.5		16.1
90	83	Conductivity (um/hos)	337		337		451		437		566		465		329		896		499
91	84	Dissolved oxygen (mg/L) (avg)	2.26		2.3		1.58		1.21		2.67		0.61		0.08		2.44		NM
92	85																		
93	86	**DIOXINS AND FURANS (ng/L)**																	
94	87	**Method 8290**																	
95	88	2,3,7,8-TCDF	3.8	U	NA		NA		NA		NA		NA		NA		NA		NA
96	89	Total TCDF	3.8	U	NA		NA		NA		NA		NA		NA		NA		NA
97	90	2,3,7,8-TCDD	3.5	U	NA		NA		NA		NA		NA		NA		NA		NA
98	91	Total TCDD	3.5	U	NA		NA		NA		NA		NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	2.8	U	NA		NA		NA		NA		NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	2.6	U	NA		NA		NA		NA		NA		NA		NA		NA
101	94	Total PeCDF	2.6	U	NA		NA		NA		NA		NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	3.2	U	NA		NA		NA		NA		NA		NA		NA		NA
103	96	Total PeCDD	3.2	U	NA		NA		NA		NA		NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	2.3	U	NA		NA		NA		NA		NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	2.1	U	NA		NA		NA		NA		NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	2.3	U	NA		NA		NA		NA		NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	2.5	U	NA		NA		NA		NA		NA		NA		NA		NA
108	101	Total HxCDF	**9.2**		NA		NA		NA		NA		NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	2.9	U	NA		NA		NA		NA		NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	2.2	U	NA		NA		NA		NA		NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	2.5	U	NA		NA		NA		NA		NA		NA		NA		NA
112	105	Total HxCDD	2.2	U	NA		NA		NA		NA		NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	**7.5**	J	NA		NA		NA		NA		NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	3.8	U	NA		NA		NA		NA		NA		NA		NA		NA
115	108	Total HpCDF	**34**		NA		NA		NA		NA		NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	**36**		NA		NA		NA		NA		NA		NA		NA		NA
117	110	Total HpCDD	**57**		NA		NA		NA		NA		NA		NA		NA		NA
118	111	OCDF	**35**	J	NA		NA		NA		NA		NA		NA		NA		NA
119	112	OCDD	**230**		NA		NA		NA		NA		NA		NA		NA		NA
120																			
121		**ETHANOL (mg/L)**							NA		NA		NA		NA		NA		NA
122																			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2					Dup of OX8S														
3			OX8S		Y		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S		OX8S
4			FY72E		FY72D		0402086-04		0406074-08		0408026-09		0411066-06		0502070-06		P5F0342-08		P5H1000-05
5			10/22/03		10/22/03		2/18/04		6/10/04		8/04/04		11/11/04		2/16/05		6/7/05		08/23/05
123		**PAHs (µg/L)**																	
124		**EPA Method SW8270 SIM**																	
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		1	U	NA		NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA
130		Anthracene	NA		NA		NA		NA		1	U	NA		NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			OX9S		OX9S		OX9S		OX9S
4			0408035-02		0502070-07		P5F0553-01		P5H1000-02
5			8/05/04		2/16/05		6/13/05		08/23/05
6									
7	1	**CHLORINATED PHENOLS (µg/L)**							
8	2	**EPA Method SW8040**							
9	3	Pentachlorophenol	NA		4.94	U	0.526	U	0.500 U
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA
16	10								
17	11	**SEMIVOLATILES (µg/L)**							
18	12	**EPA Method SW8270**							
19	13	Phenol	2	U	1.98	U	5.00	U	5.00 U
20	14	4-Methylphenol	10	U	9.88	U	5.00	U	5.00 U
21	15	Isophorone	1	U	0.988	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3	U	2.96	U	10.00	U	10.0 U
23	17	Benzoic Acid	20	U	19.8	U	50.0	U	50.0 U
24	18	Naphthalene	1	U	0.988	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	1	U	0.988	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5	U	4.94	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5	U	4.94	U	5.00	U	5.00 U
28	22	Acenaphthene	1	U	0.988	U	5.00	U	5.00 U
29	23	Dibenzofuran	1	U	0.988	U	5.00	U	5.00 U
30	24	Fluorene	1	U	0.988	U	5.00	U	5.00 U
31	25	Pentachlorophenol	5	U	NA		10.0	U	10.0 U
32	26	bis(2-Ethylhexyl)phthalate	1	U	0.988	U	10.00	U	10.0 U
33	27								
34	28	**VOLATILES (µg/L)**							
35	29	**EPA Method SW8260**							
36	30	Acetone	50	U	50	U	NA		25.0 U
37	31	Carbon Disulfide	2	U	2	U	NA		10.0 U
38	32	2-Butanone	10	U	10	U	NA		10.0 U
39	33	Benzene	0.3	U	0.3	U	NA		1.00 U
40	34	Bromoform	1	U	1	U	NA		1.00 U
41	35	Toluene	1	U	1	U	NA		1.00 U
42	36	Ethylbenzene	1	U	1	U	NA		1.00 U
43	37	Styrene	1	U	1	U	NA		1.00 U
44	38	m,p-Xylene	2	U	2	U	NA		2.00 U
45	39	o-Xylene	1	U	1	U	NA		1.00 U
46	40	1,3,5-Trimethylbenzene	1	U	1	U	NA		1.00 U
47	41	1,2,4-Trimethylbenzene	1	U	1	U	NA		1.00 U
48	42	Isopropylbenzene	1	U	1	U	NA		2.00 U
49	43	n-Propylbenzene	1	U	1	U	NA		1.00 U
50	44	tert-Butylbenzene	1	U	1	U	NA		1.00 U
51	45	sec-Butylbenzene	1	U	1	U	NA		1.00 U
52	46	4-Isopropyltoluene	1	U	1	U	NA		2.00 U
53	47	n-Butylbenzene	1	U	1	U	NA		5.00 U
54	48	Naphthalene	1	U	1	U	NA		2.00 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	NA		1.00 U
56	49								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**							
58	51	**Method OR-DEQ**							
59	52	**TPH-Diesel**	NA		NA		NA		NA
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA
62	55								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			OX9S		OX9S		OX9S		OX9S
4			0408035-02		0502070-07		P5F0553-01		P5H1000-02
5			8/05/04		2/16/05		6/13/05		08/23/05
63	56	**PRIORITY POLLUTANT**							
64	57	**METALS (mg/L)**							
65	58	Arsenic (7060)	**0.0044**		**0.00253**		**0.0011**		**0.00161**
66	59	Chromium (6010)	**0.0156**		0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	0.0001	U	0.0001	U	0.001	U	0.001 U
69	62	Nickel (6010)	0.005	U	**0.0706**		**0.00928**		**0.0158**
70	63	Zinc (6010)	0.01	U	0.01	U	0.005	U	0.01 U
71	64								
72	65	**MAJOR IONS AND CONVENTIONALS**							
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**201**		**276**		NA		NA
81	74	Chloride (mg/L) (EPA 325.2)	**3.56**		**4.55**		NA		NA
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		NA
86	79								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			OX9S		OX9S		OX9S		OX9S
4			0408035-02		0502070-07		P5F0553-01		P5H1000-02
5			8/05/04		2/16/05		6/13/05		08/23/05
87	80	**FIELD PARAMETERS**							
88	81	pH (avg)	5.83		6.56		5.53		5.55
89	82	Temperature (° C) (avg)	15.5		13.6		15.0		15.7
90	83	Conductivity (um/hos)	365		227		287		291
91	84	Dissolved oxygen (mg/L) (avg)	2.33		0.79		2.80		NM
92	85								
93	86	**DIOXINS AND FURANS (ng/L)**							
94	87	**Method 8290**							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA
120									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			OX9S		OX9S		OX9S		OX9S
4			0408035-02		0502070-07		P5F0553-01		P5H1000-02
5			8/05/04		2/16/05		6/13/05		08/23/05
123		**PAHs (µg/L)**							
124		**EPA Method SW8270 SIM**							
125		Naphthalene	NA		NA		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA
127		Acenaphthylene	1	U	NA		NA		NA
128		Acenaphthene	NA		NA		NA		NA
129		Fluorene	NA		NA		NA		NA
130		Anthracene	1	U	NA		NA		NA
131		Dibenzofuran	NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G
1							
2							
3			P		P		P
4			0502110-02		P5F0666-06		P5H1000-15
5			2/24/05		6/15/05		08/24/05
7	1	**CHLORINATED PHENOLS (µg/L)**					
8	2	**EPA Method SW8040**					
9	3	Pentachlorophenol	4.92	U	NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA
16	10						
17	11	**SEMIVOLATILES (µg/L)**					
18	12	**EPA Method SW8270**					
19	13	Phenol	**18.9**		**135**	J	**45.0**
20	14	4-Methylphenol	**81.8**		**445**		**87.6**
21	15	Isophorone	0.983	U	25.0	U	5.00 U
22	16	2,4-Dimethylphenol	2.95	U	50.0	U	10.0 U
23	17	Benzoic Acid	19.7	U	250	U	50.0 U
24	18	Naphthalene	0.983	U	25.0	U	5.00 U
25	19	2-Methylnaphthalene	0.983	U	25.0	U	**9.30**
26	20	2,4,6-Trichlorophenol	4.92	U	25.0	U	5.00 U
27	21	2,4,5-Trichlorophenol	4.92	U	25.0	U	5.00 U
28	22	Acenaphthene	0.983	U	25.0	U	5.00 U
29	23	Dibenzofuran	0.983	U	25.0	U	5.00 U
30	24	Fluorene	**2.19**		25.0	U	5.00 U
31	25	Pentachlorophenol	NA		50	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	0.983	U	50.0	U	10.0 U
33	27						
34	28	**VOLATILES (µg/L)**					
35	29	**EPA Method SW8260**					
36	30	Acetone	50	U	500	U	500 U
37	31	Carbon Disulfide	2	U	200	U	200 U
38	32	2-Butanone	10	U	200	U	200 U
39	33	Benzene	**1480**		**2020**		**2780**
40	34	Bromoform	1	U	20.0	U	20.0 U
41	35	Toluene	**4.78**		20.0	U	20.0 U
42	36	Ethylbenzene	**4.29**		20.0	U	20.0 U
43	37	Styrene	1	U	20.0	U	20.0 U
44	38	m,p-Xylene	**12.1**		**60.6**		**47.0**
45	39	o-Xylene	**22**		**58.6**		**32.2**
46	40	1,3,5-Trimethylbenzene	**62.3**		**68.0**		**60.6**
47	41	1,2,4-Trimethylbenzene	**39**		**46.8**		**42.6**
48	42	Isopropylbenzene	**7.45**		40.0	U	40.0 U
49	43	n-Propylbenzene	**10.9**		20.0	U	**20.8**
50	44	tert-Butylbenzene	1	U	20.0	U	20.0 U
51	45	sec-Butylbenzene	**1.52**		20.0	U	20.0 U
52	46	4-Isopropyltoluene	**3.13**		40.0	U	40.0 U
53	47	n-Butylbenzene	**5.32**		100	U	100 U
54	48	Naphthalene	**6.91**		40.0	U	40.0 U
55		Methyl tert-butyl ether	1	U	20.0	U	20.0 U
56	49						
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**					
58	51	**Method OR-DEQ**					
59	52	**TPH-Diesel**	**16.2**		**5.41**		**0.789 J**
60	53	**TPH-D Motor Oil**	0.499	U	0.5	U	0.500 UJ
61	54	**TPH-Gasoline**	**3.5**		**7.98**		**6.10**
62	55						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G
1							
2							
3			P		P		P
4			0502110-02		P5F0666-06		P5H1000-15
5			2/24/05		6/15/05		08/24/05
63	56	**PRIORITY POLLUTANT**					
64	57	**METALS (mg/L)**					
65	58	Arsenic (7060)	**0.0378**		**0.0328**		**0.0306**
66	59	Chromium (6010)	0.005	U	0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	**0.0123**		**0.00213**
68	61	Lead (7421)	**0.0728**		**0.109**		**0.0245**
69	62	Nickel (6010)	0.005	U	**0.0109**		**0.00449**
70	63	Zinc (6010)	**0.0133**		0.005	U	0.01 U
71	64						
72	65	**MAJOR IONS AND CONVENTIONALS**					
73	66	Calcium (mg/L) (6010)	NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**170**		**524**		**392**
81	74	Chloride (mg/L) (EPA 325.2)	**0.8**		**1.94**		**2.37**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		0.100 U
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		1.00 U
86	79						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G
1							
2							
3			P		P		P
4			0502110-02		P5F0666-06		P5H1000-15
5			2/24/05		6/15/05		08/24/05
87	80	**FIELD PARAMETERS**					
88	81	pH (avg)	6.61		6.29		6.90
89	82	Temperature (° C) (avg)	13		14.4		14.4
90	83	Conductivity (um/hos)	233		309		441
91	84	Dissolved oxygen (mg/L) (avg)	0		NA		NM
92	85						
93	86	**DIOXINS AND FURANS (ng/L)**					
94	87	**Method 8290**					
95	88	2,3,7,8-TCDF	NA		NA		NA
96	89	Total TCDF	NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA
98	91	Total TCDD	NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA
101	94	Total PeCDF	NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA
103	96	Total PeCDD	NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA
108	101	Total HxCDF	NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA
112	105	Total HxCDD	NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA
115	108	Total HpCDF	NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA
117	110	Total HpCDD	NA		NA		NA
118	111	OCDF	NA		NA		NA
119	112	OCDD	NA		NA		NA
120							
121			NA		NA		NA
122							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G
1							
2							
3			P		P		P
4			0502110-02		P5F0666-06		P5H1000-15
5			2/24/05		6/15/05		08/24/05
123		**PAHs (µg/L)**					
124		**EPA Method SW8270 SIM**					
125		Naphthalene	**1.15**		3.5	U	4.00 U
126		2-Methylnaphthalene	NA		NA		NA
127		Acenaphthylene	**0.0688**		1.00	U	2.00 U
128		Acenaphthene	**1.74**		**2.94**		**4.00**
129		Fluorene	**1.45**		**3.46**		**4.59**
130		Anthracene	**0.118**		0.500	U	2.00 U
131		Dibenzofuran	NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			PZ1		PZ1	
4			EM65E		FF48K	
5			6/24/02		2/10/03	
6						
7	1	**CHLORINATED PHENOLS (µg/L)**				
8	2	**EPA Method SW8040**				
9	3	Pentachlorophenol	NA		**700**	
10	4	2,4,6-Trichlorophenol	NA		NA	
11	5	2,3,6-Trichlorophenol	NA		NA	
12	6	2,4,5-Trichlorophenol	NA		NA	
13	7	2,3,4-Trichlorophenol	NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	NA		NA	
16	10					
17	11	**SEMIVOLATILES (µg/L)**				
18	12	**EPA Method SW8270**				
19	13	Phenol	NA		NA	
20	14	4-Methylphenol	NA		NA	
21	15	Isophorone	NA		NA	
22	16	2,4-Dimethylphenol	NA		NA	
23	17	Benzoic Acid	NA		NA	
24	18	Naphthalene	NA		NA	
25	19	2-Methylnaphthalene	NA		NA	
26	20	2,4,6-Trichlorophenol	NA		NA	
27	21	2,4,5-Trichlorophenol	NA		NA	
28	22	Acenaphthene	NA		NA	
29	23	Dibenzofuran	NA		NA	
30	24	Fluorene	NA		NA	
31	25	Pentachlorophenol	NA		NA	
32	26	bis(2-Ethylhexyl)phthalate	NA		NA	
33	27					
34	28	**VOLATILES (µg/L)**				
35	29	**EPA Method SW8260**				
36	30	Acetone	250	U	NA	
37	31	Carbon Disulfide	50	U	NA	
38	32	2-Butanone	250	U	NA	
39	33	Benzene	50	U	NA	
40	34	Bromoform	50	U	NA	
41	35	Toluene	**80**		NA	
42	36	Ethylbenzene	**470**		NA	
43	37	Styrene	50	U	NA	
44	38	m,p-Xylene	**1000**		NA	
45	39	o-Xylene	**710**		NA	
46	40	1,3,5-Trimethylbenzene	**290**		NA	
47	41	1,2,4-Trimethylbenzene	**870**		NA	
48	42	Isopropylbenzene	**120**		NA	
49	43	n-Propylbenzene	**170**		NA	
50	44	tert-Butylbenzene	50	U	NA	
51	45	sec-Butylbenzene	50	U	NA	
52	46	4-Isopropyltoluene	50	U	NA	
53	47	n-Butylbenzene	50	U	NA	
54	48	Naphthalene	250	U	NA	
55	48.5	Methyl tert-butyl ether	NA		NA	
56	49					
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**				
58	51	**Method OR-DEQ**				
59	52	**TPH-Diesel**	NA		NA	
60	53	**TPH-D Motor Oil**	NA		NA	
61	54	**TPH-Gasoline**	NA		NA	
62	55					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			PZ1		PZ1	
4			EM65E		FF48K	
5			6/24/02		2/10/03	
63	56	**PRIORITY POLLUTANT**				
64	57	**METALS (mg/L)**				
65	58	Arsenic (7060)	**0.005**		NA	
66	59	Chromium (6010)	**0.035**		NA	
67	60	Copper (6010)	**0.011**		NA	
68	61	Lead (7421)	**0.001**		NA	
69	62	Nickel (6010)	**0.04**		NA	
70	63	Zinc (6010)	**0.087**		NA	
71	64					
72	65	**MAJOR IONS AND CONVENTIONALS**				
73	66	Calcium (mg/L) (6010)	**42.3**		NA	
74	67	Magnesium (mg/L) (6010)	**13.6**		NA	
75	68	Potassium (mg/L) (6010)	**3.3**		NA	
76	69	Sodium (mg/L) (6010)	**5.25**		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**180**		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**180**		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**250**		NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA	
86	79					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			PZ1		PZ1	
4			EM65E		FF48K	
5			6/24/02		2/10/03	
87	80	**FIELD PARAMETERS**				
88	81	pH (avg)	6.02		6.61	
89	82	Temperature (° C) (avg)	15.3		14.9	
90	83	Conductivity (um/hos)	278		376	
91	84	Dissolved oxygen (mg/L) (avg)	5.09		1.01	
92	85					
93	86	**DIOXINS AND FURANS (ng/L)**				
94	87	**Method 8290**				
95	88	2,3,7,8-TCDF	NA		NA	
96	89	Total TCDF	NA		NA	
97	90	2,3,7,8-TCDD	NA		NA	
98	91	Total TCDD	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA	
101	94	Total PeCDF	NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA	
103	96	Total PeCDD	NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA	
108	101	Total HxCDF	NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA	
112	105	Total HxCDD	NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA	
115	108	Total HpCDF	NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA	
117	110	Total HpCDD	NA		NA	
118	111	OCDF	NA		NA	
119	112	OCDD	NA		NA	
120						
121		**ETHANOL (mg/L)**	NA		NA	
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			PZ1		PZ1	
4			EM65E		FF48K	
5			6/24/02		2/10/03	
123		**PAHs (µg/L)**				
124		**EPA Method SW8270 SIM**				
125		Naphthalene	NA		NA	
126		2-Methylnaphthalene	NA		NA	
127		Acenaphthylene	NA		NA	
128		Acenaphthene	NA		NA	
129		Fluorene	NA		NA	
130		Anthracene	NA		NA	
131		Dibenzofuran	NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ2	
4			FF48J	
5			2/10/03	
6				
7	1	**CHLORINATED PHENOLS (µg/L)**		
8	2	**EPA Method SW8040**		
9	3	Pentachlorophenol	**590**	
10	4	2,4,6-Trichlorophenol	NA	
11	5	2,3,6-Trichlorophenol	NA	
12	6	2,4,5-Trichlorophenol	NA	
13	7	2,3,4-Trichlorophenol	NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA	
15	9	2,3,4,5-Tetrachlorophenol	NA	
16	10			
17	11	**SEMIVOLATILES (µg/L)**		
18	12	**EPA Method SW8270**		
19	13	Phenol	NA	
20	14	4-Methylphenol	NA	
21	15	Isophorone	NA	
22	16	2,4-Dimethylphenol	NA	
23	17	Benzoic Acid	NA	
24	18	Naphthalene	NA	
25	19	2-Methylnaphthalene	NA	
26	20	2,4,6-Trichlorophenol	NA	
27	21	2,4,5-Trichlorophenol	NA	
28	22	Acenaphthene	NA	
29	23	Dibenzofuran	NA	
30	24	Fluorene	NA	
31	25	Pentachlorophenol	NA	
32	26	bis(2-Ethylhexyl)phthalate	NA	
33	27			
34	28	**VOLATILES (µg/L)**		
35	29	**EPA Method SW8260**		
36	30	Acetone	NA	
37	31	Carbon Disulfide	NA	
38	32	2-Butanone	NA	
39	33	Benzene	NA	
40	34	Bromoform	NA	
41	35	Toluene	NA	
42	36	Ethylbenzene	NA	
43	37	Styrene	NA	
44	38	m,p-Xylene	NA	
45	39	o-Xylene	NA	
46	40	1,3,5-Trimethylbenzene	NA	
47	41	1,2,4-Trimethylbenzene	NA	
48	42	Isopropylbenzene	NA	
49	43	n-Propylbenzene	NA	
50	44	tert-Butylbenzene	NA	
51	45	sec-Butylbenzene	NA	
52	46	4-Isopropyltoluene	NA	
53	47	n-Butylbenzene	NA	
54	48	Naphthalene	NA	
55	48.5	Methyl tert-butyl ether	NA	
56	49			
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**		
58	51	**Method OR-DEQ**		
59	52	**TPH-Diesel**	NA	
60	53	**TPH-D Motor Oil**	NA	
61	54	**TPH-Gasoline**	NA	
62	55			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ2	
4			FF48J	
5			2/10/03	
63	56	**PRIORITY POLLUTANT**		
64	57	**METALS (mg/L)**		
65	58	Arsenic (7060)	NA	
66	59	Chromium (6010)	NA	
67	60	Copper (6010)	NA	
68	61	Lead (7421)	NA	
69	62	Nickel (6010)	NA	
70	63	Zinc (6010)	NA	
71	64			
72	65	**MAJOR IONS AND CONVENTIONALS**		
73	66	Calcium (mg/L) (6010)	NA	
74	67	Magnesium (mg/L) (6010)	NA	
75	68	Potassium (mg/L) (6010)	NA	
76	69	Sodium (mg/L) (6010)	NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA	
86	79			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ2	
4			FF48J	
5			2/10/03	
87	80	**FIELD PARAMETERS**		
88	81	pH (avg)	6.46	
89	82	Temperature (° C) (avg)	15.2	
90	83	Conductivity (um/hos)	483	
91	84	Dissolved oxygen (mg/L) (avg)	0.89	
92	85			
93	86	**DIOXINS AND FURANS (ng/L)**		
94	87	**Method 8290**		
95	88	2,3,7,8-TCDF	NA	
96	89	Total TCDF	NA	
97	90	2,3,7,8-TCDD	NA	
98	91	Total TCDD	NA	
99	92	1,2,3,7,8-PeCDF	NA	
100	93	2,3,4,7,8-PeCDF	NA	
101	94	Total PeCDF	NA	
102	95	1,2,3,7,8-PeCDD	NA	
103	96	Total PeCDD	NA	
104	97	1,2,3,4,7,8-HxCDF	NA	
105	98	1,2,3,6,7,8-HxCDF	NA	
106	99	2,3,4,6,7,8-HxCDF	NA	
107	100	1,2,3,7,8,9-HxCDF	NA	
108	101	Total HxCDF	NA	
109	102	1,2,3,4,7,8-HxCDD	NA	
110	103	1,2,3,6,7,8-HxCDD	NA	
111	104	1,2,3,7,8,9-HxCDD	NA	
112	105	Total HxCDD	NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA	
115	108	Total HpCDF	NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA	
117	110	Total HpCDD	NA	
118	111	OCDF	NA	
119	112	OCDD	NA	
120				
121		**ETHANOL (mg/L)**	NA	
122				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ2	
4			FF48J	
5			2/10/03	
123		**PAHs (µg/L)**		
124		**EPA Method SW8270 SIM**		
125		Naphthalene	NA	
126		2-Methylnaphthalene	NA	
127		Acenaphthylene	NA	
128		Acenaphthene	NA	
129		Fluorene	NA	
130		Anthracene	NA	
131		Dibenzofuran	NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ3	
4			FF65B	
5			2/11/03	
6				
7	1	**CHLORINATED PHENOLS (µg/L)**		
8	2	**EPA Method SW8040**		
9	3	Pentachlorophenol	1.2	U
10	4	2,4,6-Trichlorophenol	NA	
11	5	2,3,6-Trichlorophenol	NA	
12	6	2,4,5-Trichlorophenol	NA	
13	7	2,3,4-Trichlorophenol	NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA	
15	9	2,3,4,5-Tetrachlorophenol	NA	
16	10			
17	11	**SEMIVOLATILES (µg/L)**		
18	12	**EPA Method SW8270**		
19	13	Phenol	NA	
20	14	4-Methylphenol	NA	
21	15	Isophorone	NA	
22	16	2,4-Dimethylphenol	NA	
23	17	Benzoic Acid	NA	
24	18	Naphthalene	NA	
25	19	2-Methylnaphthalene	NA	
26	20	2,4,6-Trichlorophenol	NA	
27	21	2,4,5-Trichlorophenol	NA	
28	22	Acenaphthene	NA	
29	23	Dibenzofuran	NA	
30	24	Fluorene	NA	
31	25	Pentachlorophenol	NA	
32	26	bis(2-Ethylhexyl)phthalate	NA	
33	27			
34	28	**VOLATILES (µg/L)**		
35	29	**EPA Method SW8260**		
36	30	Acetone	NA	
37	31	Carbon Disulfide	NA	
38	32	2-Butanone	NA	
39	33	Benzene	NA	
40	34	Bromoform	NA	
41	35	Toluene	NA	
42	36	Ethylbenzene	NA	
43	37	Styrene	NA	
44	38	m,p-Xylene	NA	
45	39	o-Xylene	NA	
46	40	1,3,5-Trimethylbenzene	NA	
47	41	1,2,4-Trimethylbenzene	NA	
48	42	Isopropylbenzene	NA	
49	43	n-Propylbenzene	NA	
50	44	tert-Butylbenzene	NA	
51	45	sec-Butylbenzene	NA	
52	46	4-Isopropyltoluene	NA	
53	47	n-Butylbenzene	NA	
54	48	Naphthalene	NA	
55	48.5	Methyl tert-butyl ether	NA	
56	49			
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**		
58	51	**Method OR-DEQ**		
59	52	**TPH-Diesel**	NA	
60	53	**TPH-D Motor Oil**	NA	
61	54	**TPH-Gasoline**	NA	
62	55			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ3	
4			FF65B	
5			2/11/03	
63	56	**PRIORITY POLLUTANT**		
64	57	**METALS (mg/L)**		
65	58	Arsenic (7060)	NA	
66	59	Chromium (6010)	NA	
67	60	Copper (6010)	NA	
68	61	Lead (7421)	NA	
69	62	Nickel (6010)	NA	
70	63	Zinc (6010)	NA	
71	64			
72	65	**MAJOR IONS AND CONVENTIONALS**		
73	66	Calcium (mg/L) (6010)	NA	
74	67	Magnesium (mg/L) (6010)	NA	
75	68	Potassium (mg/L) (6010)	NA	
76	69	Sodium (mg/L) (6010)	NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NA	
81	74	Chloride (mg/L) (EPA 325.2)	NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA	
86	79			

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ3	
4			FF65B	
5			2/11/03	
87	80	**FIELD PARAMETERS**		
88	81	pH (avg)	5.24	
89	82	Temperature (° C) (avg)	15.7	
90	83	Conductivity (um/hos)	62	
91	84	Dissolved oxygen (mg/L) (avg)	1.66	
92	85			
93	86	**DIOXINS AND FURANS (ng/L)**		
94	87	**Method 8290**		
95	88	2,3,7,8-TCDF	NA	
96	89	Total TCDF	NA	
97	90	2,3,7,8-TCDD	NA	
98	91	Total TCDD	NA	
99	92	1,2,3,7,8-PeCDF	NA	
100	93	2,3,4,7,8-PeCDF	NA	
101	94	Total PeCDF	NA	
102	95	1,2,3,7,8-PeCDD	NA	
103	96	Total PeCDD	NA	
104	97	1,2,3,4,7,8-HxCDF	NA	
105	98	1,2,3,6,7,8-HxCDF	NA	
106	99	2,3,4,6,7,8-HxCDF	NA	
107	100	1,2,3,7,8,9-HxCDF	NA	
108	101	Total HxCDF	NA	
109	102	1,2,3,4,7,8-HxCDD	NA	
110	103	1,2,3,6,7,8-HxCDD	NA	
111	104	1,2,3,7,8,9-HxCDD	NA	
112	105	Total HxCDD	NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA	
115	108	Total HpCDF	NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA	
117	110	Total HpCDD	NA	
118	111	OCDF	NA	
119	112	OCDD	NA	
120				
121		**ETHANOL (mg/L)**	NA	
122				

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D
1				
2				
3			PZ3	
4			FF65B	
5			2/11/03	
123		**PAHs (µg/L)**		
124		**EPA Method SW8270 SIM**		
125		Naphthalene	NA	
126		2-Methylnaphthalene	NA	
127		Acenaphthylene	NA	
128		Acenaphthene	NA	
129		Fluorene	NA	
130		Anthracene	NA	
131		Dibenzofuran	NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			Q		Q		Q		Q
4			0408056-05		0502110-03		P5F0666-07		P5H1000-16
5			8/09/04		2/24/05		6/15/05		08/24/05
6									
7	1	**CHLORINATED PHENOLS (µg/L)**							
8	2	**EPA Method SW8040**							
9	3	Pentachlorophenol	NA		NA		NA		NA
10	4	2,4,6-Trichlorophenol	NA		NA		NA		NA
11	5	2,3,6-Trichlorophenol	NA		NA		NA		NA
12	6	2,4,5-Trichlorophenol	NA		NA		NA		NA
13	7	2,3,4-Trichlorophenol	NA		NA		NA		NA
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA
15	9	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA
16	10								
17	11	**SEMIVOLATILES (µg/L)**							
18	12	**EPA Method SW8270**							
19	13	Phenol	**10.7**		**4.03**		**74.6**	J	**19.4**
20	14	4-Methylphenol	10.3	U	**14.4**		**28.0**		**29.6**
21	15	Isophorone	1.03	U	1.01	U	5.00	U	5.00 U
22	16	2,4-Dimethylphenol	3.09	U	3.02	U	10.00	U	10.0 U
23	17	Benzoic Acid	20.6	U	20.1	U	50.0	U	50.0 U
24	18	Naphthalene	1.03	U	1.01	U	5.00	U	5.00 U
25	19	2-Methylnaphthalene	**19.8**		1.01	U	5.00	U	5.00 U
26	20	2,4,6-Trichlorophenol	5.15	U	5.03	U	5.00	U	5.00 U
27	21	2,4,5-Trichlorophenol	5.15	U	5.03	U	5.00	U	5.00 U
28	22	Acenaphthene	**6.46**		**5.91**		**10.6**		**9.18**
29	23	Dibenzofuran	**3.79**		**4.10**		**5.31**		**6.24**
30	24	Fluorene	**4.97**		**5.26**		**9.01**		**8.70**
31	25	Pentachlorophenol	5.15	U	5.03	U	10	U	5 UJ
32	26	bis(2-Ethylhexyl)phthalate	1.03	U	1.01	U	10.00	U	10.0 U
33	27								
34	28	**VOLATILES (µg/L)**							
35	29	**EPA Method SW8260**							
36	30	Acetone	50	U	50	U	125	U	125 U
37	31	Carbon Disulfide	2	U	2	U	50.0	U	50.0 U
38	32	2-Butanone	10	U	10	U	50.0	U	50.0 U
39	33	Benzene	**1030**		**259**		**909**		**706**
40	34	Bromoform	1	U	1	U	5.00	U	5.00 U
41	35	Toluene	**21.2**		**11.4**		**13.4**		**13.9**
42	36	Ethylbenzene	**12.1**		**5.28**		**5.55**		**7.10**
43	37	Styrene	1	U	1	U	5.00	U	5.00 U
44	38	m,p-Xylene	**27.4**		**18.4**		**12.6**		**14.2**
45	39	o-Xylene	**8.17**		**7.62**		5.00	U	5.00 U
46	40	1,3,5-Trimethylbenzene	**3.73**		**7.33**		5.00	U	5.00 U
47	41	1,2,4-Trimethylbenzene	**3.47**		**6.55**		5.00	U	5.00 U
48	42	Isopropylbenzene	**78.4**		**47.3**		**42.8**		**47.8**
49	43	n-Propylbenzene	**116**		**86.6**		**84.1**		**93.2**
50	44	tert-Butylbenzene	1	U	1	U	5.00	U	5.00 U
51	45	sec-Butylbenzene	**8.81**		**5.91**		**5.10**		**5.75**
52	46	4-Isopropyltoluene	1	U	1	U	10.00	U	10.0 U
53	47	n-Butylbenzene	**9.01**		**10.9**		25.0	U	25.0 U
54	48	Naphthalene	1	U	**2.61**		10.00	U	10.0 U
55	48.5	Methyl tert-butyl ether	1	U	1	U	5.00	U	5.00 U
56	49								
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**							
58	51	**Method OR-DEQ**							
59	52	**TPH-Diesel**	**5.56**		**3.22**		**1.81**		**1.26**
60	53	**TPH-D Motor Oil**	0.495	U	0.489	U	0.5	U	0.500 U
61	54	**TPH-Gasoline**	**2.88**		**2.28**		**2.56**		**3.46**
62	55								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			Q		Q		Q		Q
4			0408056-05		0502110-03		P5F0666-07		P5H1000-16
5			8/09/04		2/24/05		6/15/05		08/24/05
63	56	**PRIORITY POLLUTANT**							
64	57	**METALS (mg/L)**							
65	58	Arsenic (7060)	**0.034**		**0.038**		**0.0389**		**0.0338**
66	59	Chromium (6010)	**0.017**		**0.0059**		0.001	U	0.001 U
67	60	Copper (6010)	0.01	U	0.01	U	0.002	U	0.001 U
68	61	Lead (7421)	**0.00735**		**0.0104**		**0.0135**		**0.00814**
69	62	Nickel (6010)	0.005	U	0.005	U	**0.00255**		**0.00212**
70	63	Zinc (6010)	0.01	U	0.01	U	0.005	U	0.01 U
71	64								
72	65	**MAJOR IONS AND CONVENTIONALS**							
73	66	Calcium (mg/L) (6010)	NA		NA		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**338**		**455**		**365**		**418**
81	74	Chloride (mg/L) (EPA 325.2)	**2.1**		**2.73**		**2.20**		**2.41**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		NA		0.100 U
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		NA		1.00 U
86	79								

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			Q		Q		Q		Q
4			0408056-05		0502110-03		P5F0666-07		P5H1000-16
5			8/09/04		2/24/05		6/15/05		08/24/05
87	80	**FIELD PARAMETERS**							
88	81	pH (avg)	6.16		6.79		6.72		6.96
89	82	Temperature (° C) (avg)	15.8		13		14.3		14.2
90	83	Conductivity (um/hos)	692		206		297		413
91	84	Dissolved oxygen (mg/L) (avg)	3.72		0.43		NA		NM
92	85								
93	86	**DIOXINS AND FURANS (ng/L)**							
94	87	**Method 8290**							
95	88	2,3,7,8-TCDF	NA		NA		NA		NA
96	89	Total TCDF	NA		NA		NA		NA
97	90	2,3,7,8-TCDD	NA		NA		NA		NA
98	91	Total TCDD	NA		NA		NA		NA
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA
101	94	Total PeCDF	NA		NA		NA		NA
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA
103	96	Total PeCDD	NA		NA		NA		NA
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA
108	101	Total HxCDF	NA		NA		NA		NA
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA
112	105	Total HxCDD	NA		NA		NA		NA
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA
115	108	Total HpCDF	NA		NA		NA		NA
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA
117	110	Total HpCDD	NA		NA		NA		NA
118	111	OCDF	NA		NA		NA		NA
119	112	OCDD	NA		NA		NA		NA
120									
121		**ETHANOL (mg/L)**	NA		NA		NA		NA
122									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I
1									
2									
3			Q		Q		Q		Q
4			0408056-05		0502110-03		P5F0666-07		P5H1000-16
5			8/09/04		2/24/05		6/15/05		08/24/05
123		**PAHs (µg/L)**							
124		**EPA Method SW8270 SIM**							
125		Naphthalene	**0.398**		**0.837**		2.50	U	2.00 U
126		2-Methylnaphthalene	NA		NA		NA		NA
127		Acenaphthylene	**0.239**		**0.167**		1.00	U	2.00 U
128		Acenaphthene	**5.04**		**4.71**		**6.70**		**5.73**
129		Fluorene	**3.81**		**5.13**		**6.88**		**5.15**
130		Anthracene	**0.259**		**0.266**		1.00	U	2.00 U
131		Dibenzofuran	NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																	Dup of RW1						Dup of RW1					
3			RW1		RW1		RW1		RW1		RW1		RW1		RW1		W		RW1		RW1		W		RW1		RW1	
4			AH76F		AU36E		BC21U		BH96X		BR64O		CB68G		CK77B		CK77A		CT67K		DE87Q		DE87M		DM30G		DW37D	
5			5/20/99		9/21/99		12/7/99		2/16/00		5/25/00		8/30/00		11/7/00		11/7/00		2/15/01		6/6/01		6/6/01		8/13/01		11/28/01	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	**130**		**3100**		**3400**		**6400**		**11000**		**6300**		**3400**		**3400**		**11000**	J	NA		NA		NA		NA	
10	4	2,4,6-Trichlorophenol	**0.22**	J1	**0.77**		**1.7**		**3.1**		**2.4**		**2.3**		**1.1**		**1.1**		NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	**0.12**	J1	0.25	U	**0.33**		**0.54**		0.53	U	**0.53**		0.44	U	0.48	U	NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	3.1	U	14	U	20	U	3.0	U	6.2	U	22	U	30	U	32	U	NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.27	U	0.25	U	0.25	U	0.25	U	**0.79**		0.25	U	0.25	U	NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**48**		**250**		**620**		**530**		**580**		**1100**		**630**		**640**		NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	**1.1**		**7.3**		**9.3**		**9.3**		**21**		**24**		**16**		**16**		NA		NA		NA		NA		NA	
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	**5.7**		**4.0**		**6.5**		2.0	U	**15**		**8.2**	J2	**14**	J2	**60**		**12**		**12**		**32**		**2.1**	
20	14	4-Methylphenol	1.0	U	**1.4**		2.0	U	**7.0**		1.0	U	**1.6**	M	1.0	U	1.0	U	**16**		**1.7**		**1.8**		**2.1**		1.0	U
21	15	Isophorone	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	6.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	17	Benzoic Acid	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	50	U
24	18	Naphthalene	1.0	U	**2.5**		**4.2**		**2.8**		**12**		**12**		**7.1**		**5.8**		**13**		**9.3**		**9.8**		**2.7**		**13**	
25	19	2-Methylnaphthalene	1.0	U	1.0	U	2.0	U	1.0	U	**2.0**		**3.4**		**2.2**		**1.7**		**5.2**		**3.7**		**4.0**		1.0	U	**3.7**	
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	10	U	5.0	U	**6.2**		**6.8**		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	**35**		5.0	U	5.0	U	5.0	U	**40**		**31**		**17**		**13**		**13**		**6.9**		5.0	U
28	22	Acenaphthene	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	23	Dibenzofuran	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	24	Fluorene	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	25	Pentachlorophenol	**150**		**3100**		**4100**		**2800**		**7300**		**5400**		**4000**		**3900**		**1400**	J	**1900**		**2000**		**410**		**17**	
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	2.0	U	1.0	U	1.0	U	1.0	U	**1.1**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	**30**		5.0	U	**39**	M	30	U	**16**		**14**		**28**		**13**		**13**		**7.2**	M	**8.4**	
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	6.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	32	2-Butanone	**7.9**		**29**		**47**		**80**		25	U	30	U	**7.4**	J2	**41**	J2	5.0	U	**5.7**		**6.4**		**5.6**		**30**	
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	6.0	U	**1.0**		1.0	U	**9.0**		**3.4**		**3.4**		**11**		**24**	
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	6.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	35	Toluene	1.0	U	**6.6**		**1.8**		**1.1**		**20**		**14**		**9.1**		**8.2**		**18**		**14**		**15**		**18**		**5.7**	
42	36	Ethylbenzene	**1.3**		**51**		**34**		**31**		**130**		**120**		**96**		**86**		**80**		**71**		**72**		**82**		**74**	
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	5.0	U	6.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	38	m,p-Xylene	**1.6**		**52**		**23**		**32**		**170**		**150**		**92**		**82**		**160**		**140**		**140**		**200**		**270**	
45	39	o-Xylene	**1.6**		**130**		**71**		**73**		**250**		**240**		**160**		**150**		**110**		**100**		**100**		**120**		**87**	
46	40	1,3,5-Trimethylbenzene	1.0	U	**41**		**12**		**38**		**120**		**64**		**29**		**25**		**58**		**37**		**38**		**40**		**53**	
47	41	1,2,4-Trimethylbenzene	**2.2**		**160**		**75**		**170**		**500**		**320**		**240**		**250**		**160**		**160**		**160**		**150**		**200**	
48	42	Isopropylbenzene	**3.5**		**36**		**23**		**21**		**58**		**47**		**26**		**21**		**28**		**28**		**28**		**29**		**26**	
49	43	n-Propylbenzene	**1.5**		**37**		**24**		**35**		**82**		**61**		**36**		**31**		**45**		**34**		**36**		**36**		**32**	
50	44	tert-Butylbenzene	1.0	U	**2.6**		**1.6**		**2.0**	M	5.0	U	6.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
51	45	sec-Butylbenzene	**3.2**		**17**		**8.6**		**14**		**21**		**16**		**11**		**10**		**10**		**7.7**		**7.8**		**6.8**		1.0	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	**1.6**		**7.2**		**13**		**8.6**		**5.2**		**4.6**		**5.9**		**4.1**		**4.2**		**3.8**		**5.5**	
53	47	n-Butylbenzene	1.0	U	**4.7**		2.3	U	**5.8**	M	5.0	U	7.7	U	**6.0**		**6.0**		**9.2**	M	6.0	U	6.2	U	4.8	U	**4.7**	M
54	48	Naphthalene	5.0	U	**7.1**		**7.3**		**8.9**		25	U	30	U	**11**		**12**		**29**		**25**		**28**		**14**		**24**	
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	**1.0**		**7.5**		**5.7**		**5.1**		**12**		**13**		**6.4**		**5.7**		**4.1**		**4.9**		**4.5**		**4.3**		**4.7**	
60	53	**TPH-D Motor Oil**	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	2.5	U	2.0	U
61	54	**TPH-Gasoline**	**0.63**		**6.6**		**5.1**		**4.5**		**29**		**26**		**9.7**		**9.9**		**7.1**		**5.4**		**5.3**		**7.7**		**5.2**	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
2		Dup of RW1						Dup of RW1										Dup of RW1								Dup of RW1
3		X		RW1		RW1		X		RW1		RW1		RW1		RW1		X		RW1		RW1		RW1		W
4		DW37A		ED34A		EM66B		EM66A		ER93J		EZ17H		FF65D		FL41L		FL41P		FU50C		FY72J		0402086-10		0402113-05
5		11/28/01		2/28/02		6/24/02		6/24/02		08/27/02		11/13/02		2/11/03		5/7/03		5/7/03		8/29/03		10/22/03		2/18/04		2/23/04
7	**CHLORINATED PHENOLS (µg/L)**																									
8	**EPA Method SW8040**																									
9	Pentachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
10	2,4,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
11	2,3,6-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
12	2,4,5-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
13	2,3,4-Trichlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
15	2,3,4,5-Tetrachlorophenol	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
16																										
17	**SEMIVOLATILES (µg/L)**																									
18	**EPA Method SW8270**																									
19	Phenol	2.0	U	66		57	J	76	J	16		10		8.9		2.1	U	2	U	24		3.7	M	1.96	U	1.96
20	4-Methylphenol	1.0	U	4.6		21		25		5.4		1.2	U	6.9		1	U	1	U	5.3		1	U	9.8	U	9.78
21	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1	U	1	U	1	U	1	U	1	U	0.98	U	0.978
22	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	53		3.5	U	3.8		3.1	U	3.1	U	13	U	6.4	U	2.94	U	2.93
23	Benzoic Acid	50	U	50	U	50	U	50	U	54	U	58	U	50	U	52	U	51	U	50	U	10	U	19.6	U	19.6
24	Naphthalene	12		6.9		11	J	15	J	16		8.6		14		3.7		3.7		9		5.1		15.6		3.63
25	2-Methylnaphthalene	3.3		2.3		5.1		6.1		6		4.4		6.5		1.6		1.6		2.8		1	U	6.33		10.4
26	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.4	U	5.8	U	5	U	5.2	U	5.1	U	13		5.1	U	14.8		4.89
27	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.8	M	20		5.8	U	9.2	M	5.2	U	5.1	U	20		33		4.9	U	4.89
28	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1	U	1	U	1	U	1	U	1	U	0.98	U	0.978
29	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1	U	1	U	1	U	1	U	1	U	0.98	U	0.978
30	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.1	U	1.2	U	1	U	1	U	1	U	1	U	1	U	0.98	U	0.978
31	Pentachlorophenol	17		1200		880	J	1100	J	2600		5400		2800		1700		1600		1400		350		2630		8.69
32	bis(2-Ethylhexyl)phthalate	4.0	U	4.0	U	4.0	U	4.0	U	4.3	U	4.7	U	1	U	9.8	J	3.3	J	1	U	1	U	0.98	U	0.978
33																										
34	**VOLATILES (µg/L)**																									
35	**EPA Method SW8260**																									
36	Acetone	7.6		110	J	50	U	48	U	15	U	5	U	16	M	20		24	M	26	MJ	15	M	50	U	50
37	Carbon Disulfide	1.0	U	1.0	U	3.0	U	1.0	U	3	U	1	U	1	U	1	U	1	U	1	U	1	U	2	U	2
38	2-Butanone	30	M	47	J	15	U	16	J	32	M	5	U	5	U	5	U	5	U	5	U	46	M	10	U	10
39	Benzene	23		1.9	J	3.0	U	3.0	U	4.8		22		12		1		2		4.9	J	4.9		7.42		5.96
40	Bromoform	1.0	U	1.0	U	3.0	U	1.0	U	3	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1
41	Toluene	5.3		12	J	16		14	J	15		13		1	U	1	U	1	U	3	J	1	U	1	U	1
42	Ethylbenzene	74		81	J	140		120	J	120		130		57		14	J	37	J	68	J	64		106		11.9
43	Styrene	1.0	U	1.0	U	3.0	U	1.0	U	3	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1
44	m,p-Xylene	280		97	J	310		250	J	230		160		41		12	J	34	J	90	J	62		45.6		5.89
45	o-Xylene	87		170	J	220		190	J	200		200		73		25	J	66		120	J	90		142		2.22
46	1,3,5-Trimethylbenzene	52		40	J	100		100	J	97		87		19		9.8	J	30	J	67	J	31		55.2		20.8
47	1,2,4-Trimethylbenzene	200		170	J	370		310	J	380		410		110		64	J	160	J	230		170		180		67.9
48	Isopropylbenzene	26		29	J	42		47	J	53		60		20		12	J	24	J	42	J	34		43.9		40.8
49	n-Propylbenzene	31		34	J	63		64	J	72		80		29		14	J	32	J	52	J	40		57.2		61.9
50	tert-Butylbenzene	1.0	U	1.8	J	3.0	U	3.0	U	3	U	3		1		1.7		2.3		3.1	J	2		1.15		1
51	sec-Butylbenzene	1.0	U	8.9	J	3.0	U	3.0	U	3	U	16		5.5		5.7	J	9.3	J	17	J	11		12.9		8.99
52	4-Isopropyltoluene	5.4		4.5	U	9.3		8.8	J	11		9.5		2.6		1.2	J	6.2	J	6.9	J	3.6		5.2		2.19
53	n-Butylbenzene	4.7	M	6.8	J	10	U	8.2	U	14	M	9		4	M	2.2	MJ	4.5	J	7.3	MJ	4.7	M	5.52		5.23
54	Naphthalene	22		21	J	19		20	J	45		19		19		5	U	10		19	J	13		27.6		4.49
55	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1
56																										
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																									
58	**Method OR-DEQ**																									
59	**TPH-Diesel**	5.0		4.9		6.8	J	17	J	9.4		13		6.8		5.1		5.4		8.1		5.8		11.2	J	1.08
60	**TPH-D Motor Oil**	0.50	U	0.50	U	0.50	U	0.50	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	1.22	J	0.492
61	**TPH-Gasoline**	5.3		12		13		14		14		18		6.9		5.2	J	6.7	J	8.2		7		6.3		2.4
62																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1																		
2											Dup of RW1				Dup of RW1			Dup of RW1
3			RW1		RW1		RW1		RW1		W		RW1		W		RW1	W
4			0406074-10		0408025-01		0411066-11		0502087-04		0502087-05		P5F0668-05		P5F0668-06		P5H1257-02	P5H1257-01
5			6/10/04		8/04/04		11/11/04		2/17/05		2/17/05		6/15/05		6/15/05		08/30/05	08/30/05
6																		
7	**CHLORINATED PHENOLS (µg/L)**																	
8	**EPA Method SW8040**																	
9	Pentachlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
10	2,4,6-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
11	2,3,6-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
12	2,4,5-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
13	2,3,4-Trichlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
15	2,3,4,5-Tetrachlorophenol		NA		NA		NA		NA		NA		NA		NA		NA	NA
16																		
17	**SEMIVOLATILES (µg/L)**																	
18	**EPA Method SW8270**																	
19	Phenol	U	1.9	U	2	U	2.01	U	1.95	U	1.95	U	5.00	U	5.00	U	5.00 U	5.00 U
20	4-Methylphenol	U	9.49	U	10	U	10.1	U	9.76	U	9.74	U	5.00	U	5.00	U	5.00 U	5.00 U
21	Isophorone	U	0.949	U	1	U	1.01	U	0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
22	2,4-Dimethylphenol	U	2.85	U	3	U	3.02	U	2.93	U	2.92	U	10.00	U	10.00	U	10.0 U	10.0 U
23	Benzoic Acid	U	19	U	20	U	20.1	U	19.5	U	19.5	U	50.0	U	50.0	U	50.0 U	50.0 U
24	Naphthalene		**8.1**		**7.35**		**3.61**		0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
25	2-Methylnaphthalene		**4.13**		**1.84**		**1.02**		0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
26	2,4,6-Trichlorophenol	U	4.74	U	**19.9**		**23.4**		4.88	U	4.87	U	5.00	U	5.00	U	5.00 U	5.00 U
27	2,4,5-Trichlorophenol	U	4.74	U	5	U	5.03	U	4.88	U	4.87	U	5.00	U	5.00	U	5.00 U	5.00 U
28	Acenaphthene	U	0.949	U	1	U	1.01	U	0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
29	Dibenzofuran	U	0.949	U	1	U	1.01	U	0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
30	Fluorene	U	0.949	U	1	U	1.01	U	0.976	U	0.974	U	5.00	U	5.00	U	5.00 U	5.00 U
31	Pentachlorophenol		**903**		**160**		**123**		**205**	J	**137**	J	**271**		**301**		**108**	**111**
32	bis(2-Ethylhexyl)phthalate	U	0.949	U	1	U	1.01	U	0.976	U	0.974	U	10.00	U	10.00	U	10.0 U	10.0 U
33																		
34	**VOLATILES (µg/L)**																	
35	**EPA Method SW8260**																	
36	Acetone	U	50	U	50	U	50	U	50	U	50	U	25.0	U	25.0	U	25.0 U	25.0 U
37	Carbon Disulfide	U	2	U	2	U	2	U	2	U	2	U	10.00	U	10.00	U	10.0 U	10.0 U
38	2-Butanone	U	10	U	10	U	10	U	10	U	10	U	10.00	U	10.00	U	10.0 U	10.0 U
39	Benzene		**6.78**		**8.67**	J	**6.12**		**8.62**		**10**		**11.8**		**11.9**		**9.25**	**9.30**
40	Bromoform	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
41	Toluene	U	1	U	**1.6**	J	1	U	1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
42	Ethylbenzene		**90.7**		**192**	J	**31.8**		**23.2**		**28.2**		**6.46**		**6.45**		**10.7**	**10.4**
43	Styrene	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
44	m,p-Xylene		**110**		**299**	J	**40.3**		2	U	2	U	2.00	U	2.00	U	**6.30**	**5.75**
45	o-Xylene		**130**		**294**	J	**47.8**		**54.3**		**63.8**		**37.6**		**37.0**		**10.1**	**9.38**
46	1,3,5-Trimethylbenzene		**66.6**		**83.8**	J	**22.5**		**2.54**		**2.31**		1.00	U	1.00	U	**1.41**	**1.09**
47	1,2,4-Trimethylbenzene		**226**		**349**	J	**84.4**		**133**		**160**		**53.6**		**52.8**		**20.3**	**17.0**
48	Isopropylbenzene		**35.7**		**75.2**	J	**17**		**27.2**	J	**35.8**	J	**29.2**		**29.6**		**23.6**	**22.5**
49	n-Propylbenzene		**57.3**		**58**	J	**17.2**		**27.1**	J	**36.3**	J	**20.6**		**21.0**		**14.8**	**14.0**
50	tert-Butylbenzene	U	**1.95**		**2.29**	J	**1.8**		**3.4**		**3.94**		**1.67**		**1.83**		**1.78**	**1.82**
51	sec-Butylbenzene		**10.5**		**12.3**	J	**4.37**		**7.89**	J	**10.2**	J	**6.44**		**6.82**		**5.64**	**5.39**
52	4-Isopropyltoluene		**5.98**		**6.33**	J	**2.08**		1	U	1	U	2.00	U	2.00	U	2.00 U	2.00 U
53	n-Butylbenzene		**4.07**		**3.86**	J	**2**		**5.52**		**6.32**		5.00	U	5.00	U	5.00 U	5.00 U
54	Naphthalene		**16.7**		**17.6**	J	**13**		**6.78**		**8.21**		**2.08**		**2.18**		2.00 U	2.00 U
55	Methyl tert-butyl ether	U	1	U	1	U	1	U	1	U	1	U	1.00	U	1.00	U	1.00 U	1.00 U
56																		
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																	
58	**Method OR-DEQ**																	
59	**TPH-Diesel**		NA		**6.12**		NA		**2.62**		**2.82**		**0.539**		**0.58**		**0.274**	**0.357**
60	**TPH-D Motor Oil**	U	NA		0.51	U	NA		0.494	U	0.498	U	0.556	U	0.5	U	0.500 U	0.500 U
61	**TPH-Gasoline**		NA		**5.48**		NA		**2.02**	J	**2.61**	J	**1.27**		**1.38**		**0.697**	**0.638**
62																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																	Dup of RW1						Dup of RW1					
3			RW1		RW1		RW1		RW1		RW1		RW1		RW1		W		RW1		RW1		W		RW1		RW1	
4			AH76F		AU36E		BC21U		BH96X		BR64O		CB68G		CK77B		CK77A		CT67K		DE87Q		DE87M		DM30G		DW37D	
5			5/20/99		9/21/99		12/7/99		2/16/00		5/25/00		8/30/00		11/7/00		11/7/00		2/15/01		6/6/01		6/6/01		8/13/01		11/28/01	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	**0.002**		**0.005**		**0.006**		**0.004**		**0.004**		**0.006**		**0.006**		**0.006**		**0.007**		**0.007**		**0.007**		**0.008**		**0.009**	
66	59	Chromium (6010)	0.005	U	0.005	U	**0.007**		**0.011**		0.005	U	0.005	U	**0.015**		**0.010**		0.005	U	0.005	U	0.005	U	0.005	U	**0.008**	J
67	60	Copper (6010)	**0.018**		**0.003**		**0.013**		**0.024**		**0.005**		0.002	U	**0.020**	J2	**0.016**	J2	0.002	U	0.002	U	0.002	U	0.002	U	**0.008**	J
68	61	Lead (7421)	**0.003**		0.001	U	**0.004**		**0.005**		0.001	U	0.001	U	**0.006**		**0.004**		0.001	U	0.001	U	0.001	U	0.001	U	**0.002**	J
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	**0.02**		0.01	U	0.01	U	**0.01**		**0.01**		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	63	Zinc (6010)	**0.020**		0.004	U	**0.028**		**0.046**		0.006	U	0.006	U	**0.054**		**0.048**		**0.017**		0.006	U	0.006	U	0.006	U	**0.026**	J
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**37.3**		NA		NA		NA		NA		NA		NA		NA		**49.1**		**36.1**		**37.3**		**45.3**		**58.7**	J
74	67	Magnesium (mg/L) (6010)	**11.7**		NA		NA		NA		NA		NA		NA		NA		**15.2**		**11.9**		**12.2**		**15.2**		**19.5**	J
75	68	Potassium (mg/L) (6010)	**4.0**		NA		NA		NA		NA		NA		NA		NA		**4.0**		**2.8**		**3.4**		**3.5**		**4.2**	
76	69	Sodium (mg/L) (6010)	**6.03**		NA		NA		NA		NA		NA		NA		NA		**6.67**		**6.01**		**5.59**		**6.62**		**8.18**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**140**		NA		NA		NA		NA		NA		NA		NA		**230**		NA		NA		NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	NA		NA		NA		NA		NA		NA		NA		1.0	U	NA		NA		NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**140**		NA		NA		NA		NA		NA		NA		NA		**230**		NA		NA		NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**180**		**210**		**170**		**200**		**350**		**240**		**220**		**230**		**320**		**220**	J	**220**	J	**220**	J	**290**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.9**		**3.8**		**6.7**		**12**		**4.2**		**13**		**7.3**		**6.2**		**5.9**	J	**4.7**		**5.1**		**7.6**		**8.4**	
82	75	N-Nitrate (mg-N/L) (Calculated)	0.010	U	NA		NA		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	NA		NA		NA		NA		NA		NA		NA		**0.023**	J	NA		NA		NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	0.010	U	NA		NA		NA		NA		NA		NA		NA		**0.030**		NA		NA		NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	**3.8**		NA		NA		NA		NA		NA		NA		NA		**3.0**		NA		NA		NA		NA	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																										
2		Dup of RW1						Dup of RW1										Dup of RW1								Dup of RW1
3		X		RW1		RW1		X		RW1		RW1		RW1		RW1		X		RW1		RW1		RW1		W
4		DW37A		ED34A		EM66B		EM66A		ER93J		EZ17H		FF65D		FL41L		FL41P		FU50C		FY72J		0402086-10		0402113-05
5		11/28/01		2/28/02		6/24/02		6/24/02		08/27/02		11/13/02		2/11/03		5/7/03		5/7/03		8/29/03		10/22/03		2/18/04		2/23/04
63	**PRIORITY POLLUTANT**																									
64	**METALS (mg/L)**																									
65	Arsenic (7060)	**0.008**		**0.008**		**0.006**		**0.006**		**0.008**		0.05	U	**0.004**		**0.005**		**0.005**		**0.006**		**0.005**		**0.004**		**0.021**
66	Chromium (6010)	**0.014**	J	**0.015**		0.005	U	0.005	U	0.005	U	**0.013**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0093**		**0.0077**
67	Copper (6010)	**0.013**	J	**0.028**		**0.005**		**0.006**		**0.004**		**0.018**		**0.006**		**0.004**		**0.005**		**0.003**		**0.005**		**0.0172**		0.01
68	Lead (7421)	**0.004**	J	**0.006**		**0.001**		0.001	U	**0.001**		0.02	U	0.001	U	0.001	U	**0.001**		0.001	U	0.001	U	**0.0005**		0.0001
69	Nickel (6010)	**0.01**		**0.02**		0.01	U	0.01	U	0.01	U	**0.02**		**0.11**		0.01	U	**0.01**		0.01	U	0.01	U	0.005	U	0.005
70	Zinc (6010)	**0.038**	J	**0.054**		**0.016**		**0.020**		0.006	U	**0.055**		**0.008**		**0.065**	J	**0.013**	J	**0.009**		**0.01**		0.01	U	0.01
71																										
72	**MAJOR IONS AND CONVENTIONALS**																									
73	Calcium (mg/L) (6010)	**65.4**	J	**152**		NA		NA		NA		NA		**31.7**		NA		NA		NA		NA		NA		NA
74	Magnesium (mg/L) (6010)	**21.8**	J	**51.9**		NA		NA		NA		NA		**10.6**		NA		NA		NA		NA		NA		NA
75	Potassium (mg/L) (6010)	**5.1**		**6.7**		NA		NA		NA		NA		**3.6**		NA		NA		NA		NA		NA		NA
76	Sodium (mg/L) (6010)	**9.48**		**12.0**		NA		NA		NA		NA		**7.9**		NA		NA		NA		NA		NA		NA
77	Alkalinity (mg/L CaCO3) (SM 2320)	NA		**480**		NA		NA		NA		NA		**130**		NA		NA		NA		NA		NA		NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		1.0	U	NA		NA		NA		NA		1	U	NA		NA		NA		NA		NA		NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		**480**		NA		NA		NA		NA		**130**		NA		NA		NA		NA		NA		NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)	**280**		**1100**		**1900**		**2000**		**230**		**260**		**230**		**240**		**240**		**320**		**320**		**242**		**239**
81	Chloride (mg/L) (EPA 325.2)	**8.3**		**11**		**8.8**		**8.0**		**6.4**		**7.0**		**5.4**		**6**		**6**		**5.9**		**7.8**		**4.79**		**3.95**
82	N-Nitrate (mg-N/L) (Calculated)	NA		**0.044**		NA		NA		NA		NA		**0.043**		NA		NA		NA		NA		NA		NA
83	N-Nitrite (mg-N/L) (EPA 354.1)	NA		0.010	U	NA		NA		NA		NA		**0.043**		NA		NA		NA		NA		NA		NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		**0.044**		NA		NA		NA		NA		**0.086**		NA		NA		NA		NA		NA		NA
85	Sulfate (mg/L) (EPA 375.2)	NA		**5.7**		NA		NA		NA		NA		**46**		NA		NA		NA		NA		NA		NA
86																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1																		
2											Dup of RW1				Dup of RW1			Dup of RW1
3			RW1		RW1		RW1		RW1		W		RW1		W		RW1	W
4			0406074-10		0408025-01		0411066-11		0502087-04		0502087-05		P5F0668-05		P5F0668-06		P5H1257-02	P5H1257-01
5			6/10/04		8/04/04		11/11/04		2/17/05		2/17/05		6/15/05		6/15/05		08/30/05	08/30/05
63	**PRIORITY POLLUTANT**																	
64	**METALS (mg/L)**																	
65	Arsenic (7060)		**0.012**		**0.006**		**0.00526**		**0.00343**		**0.00345**		**0.00251**		**0.00254**		**0.00235 J**	**0.00342 J**
66	Chromium (6010)		**0.0382**		0.005	U	**0.0244**		0.005	U	**0.0075**		**0.00348**	J	**0.00542**	J	**0.00372**	**0.00425**
67	Copper (6010)	U	**0.0286**		0.01	U	0.01	U	0.01	U	0.01	U	**0.0191**		**0.0215**		**0.0185**	**0.0209**
68	Lead (7421)	U	**0.0082**		**0.000111**		**0.00434**		0.000331	U	0.000316	U	**0.00218**	J	**0.00302**	J	**0.00196**	**0.00227**
69	Nickel (6010)	U	**0.0199**		0.005	U	0.005	U	**0.0175**		**0.0173**		**0.0600**		**0.0644**		**0.025**	**0.0277**
70	Zinc (6010)	U	**0.102**		**0.0244**		**0.0394**		0.01	U	0.01	U	**0.0222**	J	**0.0286**	J	**0.0185**	**0.0204**
71																		
72	**MAJOR IONS AND CONVENTIONALS**																	
73	Calcium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		NA		NA	NA
74	Magnesium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		NA		NA	NA
75	Potassium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		NA		NA	NA
76	Sodium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		NA		NA	NA
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		NA		NA	NA
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		NA		NA	NA
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		NA		NA	NA
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**472**		**495**		**437**		**268**		**265**		**366**		**382**		**347**	**347**
81	Chloride (mg/L) (EPA 325.2)		**6.59**		**4.89**		**5.55**		**6.92**		**6.49**		**4.05**		**4.15**		**3.21**	**3.40**
82	N-Nitrate (mg-N/L) (Calculated)		NA		NA		NA		NA		NA		NA		NA		NA	NA
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		NA		NA		NA		NA		NA		NA		NA	NA
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		NA		NA		NA		NA		NA		NA		NA	NA
85	Sulfate (mg/L) (EPA 375.2)		NA		NA		NA		NA		NA		NA		NA		NA	NA
86																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																	Dup of RW1						Dup of RW1					
3			RW1		RW1		RW1		RW1		RW1		RW1		RW1		W		RW1		RW1		W		RW1		RW1	
4			AH76F		AU36E		BC21U		BH96X		BR64O		CB68G		CK77B		CK77A		CT67K		DE87Q		DE87M		DM30G		DW37D	
5			5/20/99		9/21/99		12/7/99		2/16/00		5/25/00		8/30/00		11/7/00		11/7/00		2/15/01		6/6/01		6/6/01		8/13/01		11/28/01	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.54		6.14		6.18		6.44		6.46		5.69		5.28		5.27		6.35		6.62		6.61		6.54		6.51	
89	82	Temperature (° C) (avg)	14.0		17.3		17.2		14.6		13.2		14.8		14.2		14.1		12.7		14.4		14.4		16.4		13.7	
90	83	Conductivity (um/hos)	244		271		273		211		440		314		305		303		506		377		377		389		584	
91	84	Dissolved oxygen (mg/L) (avg)	1.52		2.09		1.72		0.76		1.00		0.87		0.69		0.72		0.32		0.97		0.94		1.10		3.36	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																										
2		Dup of RW1						Dup of RW1										Dup of RW1								Dup of RW1
3		X		RW1		RW1		X		RW1		RW1		RW1		RW1		X		RW1		RW1		RW1		W
4		DW37A		ED34A		EM66B		EM66A		ER93J		EZ17H		FF65D		FL41L		FL41P		FU50C		FY72J		0402086-10		0402113-05
5		11/28/01		2/28/02		6/24/02		6/24/02		08/27/02		11/13/02		2/11/03		5/7/03		5/7/03		8/29/03		10/22/03		2/18/04		2/23/04
87	**FIELD PARAMETERS**																									
88	pH (avg)	6.5		6.15		6.16		6.14		6.71		6.03		6.4		6.82		6.84		6.65		6.73		6.68		6.34
89	Temperature (° C) (avg)	13.5		12.8		15.6		15.6		15.6		17.3		15.3		14.2		14.2		15.4		17.5		13.8		14.3
90	Conductivity (um/hos)	583		878		803		805		291		394		366		308		308		430		415		343		345
91	Dissolved oxygen (mg/L) (avg)	3.43		7.27		3.86		3.54		0.00		0.00		0		1.79		1.75		1.59		2.65		1.35		1.32
92																										
93	**DIOXINS AND FURANS (ng/L)**																									
94	**Method 8290**																									
95	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		3.0	U	NA		NA
96	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		3.0	U	NA		NA
97	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		4.1	U	NA		NA
98	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.4	U	NA		NA
99	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.9	U	NA		NA
100	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.7	U	NA		NA
101	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.7	U	NA		NA
102	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.9	U	NA		NA
103	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**6.5**		NA		NA
104	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.2	U	NA		NA
105	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		1.9	U	NA		NA
106	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.1	U	NA		NA
107	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.3	U	NA		NA
108	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**20.2**		NA		NA
109	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.8	U	NA		NA
110	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		3.0	U	NA		NA
111	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.4	U	NA		NA
112	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**19.9**		NA		NA
113	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**18.1**	J	NA		NA
114	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		4.3	U	NA		NA
115	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**86**		NA		NA
116	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**125**		NA		NA
117	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**211**		NA		NA
118	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**119**		NA		NA
119	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		**1226**		NA		NA
120																										
121	**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1																		
2											Dup of RW1				Dup of RW1			Dup of RW1
3			RW1		RW1		RW1		RW1		W		RW1		W		RW1	W
4			0406074-10		0408025-01		0411066-11		0502087-04		0502087-05		P5F0668-05		P5F0668-06		P5H1257-02	P5H1257-01
5			6/10/04		8/04/04		11/11/04		2/17/05		2/17/05		6/15/05		6/15/05		08/30/05	08/30/05
87	**FIELD PARAMETERS**																	
88	pH (avg)		6.35		6.04		6.44		6.42		6.42		6.36		6.36		5.36	5.36
89	Temperature (° C) (avg)		16.3		17		16		14.6		14.6		16.3		16.2		16.2	16.2
90	Conductivity (um/hos)		575		750		546		198		198		391		389		1073	1073
91	Dissolved oxygen (mg/L) (avg)		2.42		2.29		1.53		0		0		2.46		2.45		1.28	1.28
92																		
93	**DIOXINS AND FURANS (ng/L)**																	
94	**Method 8290**																	
95	2,3,7,8-TCDF		0.001172	U	0.002108	U	0.000947	UJ	0.000455	U	NA		0.011	U	NA		0.015 U	NA
96	Total TCDF		**0.01243**		**0.016418**		**0.007227**		**0.001836**		NA		0.011	U	NA		0.015 U	NA
97	2,3,7,8-TCDD		0.001296	U	0.00189	U	0.000371	UJ	0.000208	U	NA		0.011	U	NA		0.015 U	NA
98	Total TCDD		0.001296	U	0.00189	U	**0.012783**		0.000208	U	NA		0.011	U	NA		0.015 U	NA
99	1,2,3,7,8-PeCDF		**0.002537**	J	0.005954	UJ	0.000584	U	0.00024	U	NA		0.055	U	NA		0.074 U	NA
100	2,3,4,7,8-PeCDF		0.000886	U	0.001846	U	0.000546	U	0.000231	U	NA		0.055	U	NA		0.074 U	NA
101	Total PeCDF		**0.008505**		**0.009166**		**0.013908**		**0.000754**		NA		0.055	U	NA		0.074 U	NA
102	1,2,3,7,8-PeCDD		0.001184	U	0.002557	U	0.000674	U	0.000549	U	NA		0.055	U	NA		0.074 U	NA
103	Total PeCDD		0.001184	U	0.002557	U	**0.018875**		0.000549	U	NA		0.055	U	NA		0.074 U	NA
104	1,2,3,4,7,8-HxCDF		0.000811	U	**0.005188**	J	0.00212	UJ	0.0015	UJ	NA		0.055	U	NA		0.074 U	NA
105	1,2,3,6,7,8-HxCDF		0.000804	U	0.005326	UJ	0.001554	UJ	0.000474	U	NA		0.055	U	NA		0.074 U	NA
106	2,3,4,6,7,8-HxCDF		0.000882	U	0.002058	U	**0.001781**	J	0.000506	U	NA		0.055	U	NA		0.074 U	NA
107	1,2,3,7,8,9-HxCDF		0.000982	U	0.002386	U	0.000289	U	0.000583	U	NA		0.055	U	NA		0.074 U	NA
108	Total HxCDF		0.000804	U	**0.018357**		**0.06799**		**0.01711**		NA		0.055	U	NA		0.074 U	NA
109	1,2,3,4,7,8-HxCDD		0.001465	U	0.002938	U	0.000437	U	0.000436	U	NA		0.055	U	NA		0.074 U	NA
110	1,2,3,6,7,8-HxCDD		0.001233	U	0.002518	U	**0.006886**	J	0.001897	UJ	NA		0.055	U	NA		0.074 U	NA
111	1,2,3,7,8,9-HxCDD		0.001245	U	0.002694	U	0.001768	UJ	0.000415	U	NA		0.055	U	NA		0.074 U	NA
112	Total HxCDD		0.001233	U	**0.011911**		**0.099208**		**0.019999**		NA		0.055	U	NA		0.074 U	NA
113	1,2,3,4,6,7,8-HpCDF		0.001827	U	0.005138	UJ	**0.044978**		**0.015291**	J	NA		0.055	U	NA		0.074 U	NA
114	1,2,3,4,7,8,9-HpCDF		0.002484	U	**0.011046**	J	**0.003391**	J	0.000732	U	NA		0.055	U	NA		0.074 U	NA
115	Total HpCDF		**0.001856**		**0.031417**		**0.19351**		**0.073902**		NA		0.055	U	NA		0.074 U	NA
116	1,2,3,4,6,7,8-HpCDD		**0.003583**	J	**0.031308**		**0.278831**	J	**0.115509**		NA		0.055	U	NA		**0.080**	NA
117	Total HpCDD		**0.006947**		**0.061732**		**0.493796**		**0.189293**		NA		0.055	U	NA		**0.080**	NA
118	OCDF		0.006121	UJ	**0.029711**	J	**0.237755**		**0.103526**		NA		0.11	U	NA		0.15 U	NA
119	OCDD		0.036956	U	**0.429978**		**2.58707**		**1.15**		NA		**0.33**		NA		**1.000 J**	NA
120																		
121	**ETHANOL (mg/L)**		NA		NA		NA		NA		NA		NA		NA		NA	NA
122																		

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																	Dup of RW1						Dup of RW1					
3			RW1		RW1		RW1		RW1		RW1		RW1		RW1		W		RW1		RW1		W		RW1		RW1	
4			AH76F		AU36E		BC21U		BH96X		BR64O		CB68G		CK77B		CK77A		CT67K		DE87Q		DE87M		DM30G		DW37D	
5			5/20/99		9/21/99		12/7/99		2/16/00		5/25/00		8/30/00		11/7/00		11/7/00		2/15/01		6/6/01		6/6/01		8/13/01		11/28/01	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA
1																										
2		Dup of RW1						Dup of RW1										Dup of RW1								Dup of RW1
3		X		RW1		RW1		X		RW1		RW1		RW1		RW1		X		RW1		RW1		RW1		W
4		DW37A		ED34A		EM66B		EM66A		ER93J		EZ17H		FF65D		FL41L		FL41P		FU50C		FY72J		0402086-10		0402113-05
5		11/28/01		2/28/02		6/24/02		6/24/02		08/27/02		11/13/02		2/11/03		5/7/03		5/7/03		8/29/03		10/22/03		2/18/04		2/23/04
123	**PAHs (µg/L)**																									
124	**EPA Method SW8270 SIM**																									
125	Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
126	2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
127	Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
128	Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
129	Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
130	Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
131	Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR
1																		
2											Dup of RW1				Dup of RW1			Dup of RW1
3			RW1		RW1		RW1		RW1		W		RW1		W		RW1	W
4			0406074-10		0408025-01		0411066-11		0502087-04		0502087-05		P5F0668-05		P5F0668-06		P5H1257-02	P5H1257-01
5			6/10/04		8/04/04		11/11/04		2/17/05		2/17/05		6/15/05		6/15/05		08/30/05	08/30/05
123	**PAHs (µg/L)**																	
124	**EPA Method SW8270 SIM**																	
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		**1.21**	NA
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA	NA
127	Acenaphthylene		NA		1	U	NA		NA		NA		NA		NA		1.00 U	NA
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		1.00 U	NA
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		1.00 U	NA
130	Anthracene		NA		1	U	NA		NA		NA		NA		NA		0.100 U	NA
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA	NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			RW3		RW3	
4			BC30H		9912050-07A	
5			12/8/99		12/8/1999 (d)	
6						
7	1	**CHLORINATED PHENOLS (µg/L)**				
8	2	**EPA Method SW8040**				
9	3	Pentachlorophenol	**590**		NA	
10	4	2,4,6-Trichlorophenol	**0.19**	J1	NA	
11	5	2,3,6-Trichlorophenol	**0.13**	J1	NA	
12	6	2,4,5-Trichlorophenol	0.25	U	NA	
13	7	2,3,4-Trichlorophenol	0.25	U	NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**110**		NA	
15	9	2,3,4,5-Tetrachlorophenol	**3.0**		NA	
16	10					
17	11	**SEMIVOLATILES (µg/L)**				
18	12	**EPA Method SW8270**				
19	13	Phenol	2.0	U	NA	
20	14	4-Methylphenol	1.0	U	NA	
21	15	Isophorone	1.0	U	NA	
22	16	2,4-Dimethylphenol	3.0	U	NA	
23	17	Benzoic Acid	10	U	NA	
24	18	Naphthalene	**14**		NA	
25	19	2-Methylnaphthalene	1.0	U	NA	
26	20	2,4,6-Trichlorophenol	5.0	U	NA	
27	21	2,4,5-Trichlorophenol	5.0	U	NA	
28	22	Acenaphthene	1.0	U	NA	
29	23	Dibenzofuran	1.0	U	NA	
30	24	Fluorene	1.0	U	NA	
31	25	Pentachlorophenol	**720**		NA	
32	26	bis(2-Ethylhexyl)phthalate	**1.4**		NA	
33	27					
34	28	**VOLATILES (µg/L)**				
35	29	**EPA Method SW8260**				
36	30	Acetone	5.0	U	NA	
37	31	Carbon Disulfide	1.0	U	NA	
38	32	2-Butanone	**9.1**		NA	
39	33	Benzene	1.0	U	NA	
40	34	Bromoform	1.0	U	NA	
41	35	Toluene	1.0	U	NA	
42	36	Ethylbenzene	**8.3**		NA	
43	37	Styrene	1.0	U	NA	
44	38	m,p-Xylene	**12**		NA	
45	39	o-Xylene	**34**		NA	
46	40	1,3,5-Trimethylbenzene	**57**		NA	
47	41	1,2,4-Trimethylbenzene	**160**		NA	
48	42	Isopropylbenzene	**10**		NA	
49	43	n-Propylbenzene	**19**		NA	
50	44	tert-Butylbenzene	1.0	U	NA	
51	45	sec-Butylbenzene	**9.2**		NA	
52	46	4-Isopropyltoluene	**9.8**		NA	
53	47	n-Butylbenzene	8.9	U	NA	
54	48	Naphthalene	**15**		NA	
55	48.5	Methyl tert-butyl ether	NA		NA	
56	49					
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**				
58	51	**Method OR-DEQ**				
59	52	**TPH-Diesel**	**3.5**		NA	
60	53	**TPH-D Motor Oil**	0.50	U	NA	
61	54	**TPH-Gasoline**	**2.5**		NA	
62	55					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			RW3		RW3	
4			BC30H		9912050-07A	
5			12/8/99		12/8/1999 (d)	
63	56	**PRIORITY POLLUTANT**				
64	57	**METALS (mg/L)**				
65	58	Arsenic (7060)	**0.014**		NA	
66	59	Chromium (6010)	0.005	U	NA	
67	60	Copper (6010)	0.002	U	NA	
68	61	Lead (7421)	0.001	U	NA	
69	62	Nickel (6010)	0.01	U	NA	
70	63	Zinc (6010)	0.006	U	NA	
71	64					
72	65	**MAJOR IONS AND CONVENTIONALS**				
73	66	Calcium (mg/L) (6010)	NA		NA	
74	67	Magnesium (mg/L) (6010)	NA		NA	
75	68	Potassium (mg/L) (6010)	NA		NA	
76	69	Sodium (mg/L) (6010)	NA		NA	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	**150**		NA	
81	74	Chloride (mg/L) (EPA 325.2)	**3.9**		NA	
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA	
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA	
86	79					

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			RW3		RW3	
4			BC30H		9912050-07A	
5			12/8/99		12/8/1999 (d)	
87	80	**FIELD PARAMETERS**				
88	81	pH (avg)	6.52		NM	
89	82	Temperature (° C) (avg)	12.9		NM	
90	83	Conductivity (um/hos)	231		NM	
91	84	Dissolved oxygen (mg/L) (avg)	1.76		NM	
92	85					
93	86	**DIOXINS AND FURANS (ng/L)**				
94	87	**Method 8290**				
95	88	2,3,7,8-TCDF	NA		NA	
96	89	Total TCDF	NA		NA	
97	90	2,3,7,8-TCDD	NA		NA	
98	91	Total TCDD	NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA	
101	94	Total PeCDF	NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA	
103	96	Total PeCDD	NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA	
108	101	Total HxCDF	NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA	
112	105	Total HxCDD	NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA	
115	108	Total HpCDF	NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA	
117	110	Total HpCDD	NA		NA	
118	111	OCDF	NA		NA	
119	112	OCDD	NA		NA	
120						
121		**ETHANOL (mg/L)**	5.0	U	10	U
122						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F
1						
2						
3			RW3		RW3	
4			BC30H		9912050-07A	
5			12/8/99		12/8/1999 (d)	
123		**PAHs (µg/L)**				
124		**EPA Method SW8270 SIM**				
125		Naphthalene	NA		NA	
126		2-Methylnaphthalene	NA		NA	
127		Acenaphthylene	NA		NA	
128		Acenaphthene	NA		NA	
129		Fluorene	NA		NA	
130		Anthracene	NA		NA	
131		Dibenzofuran	NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1																							
2									Dup of LW2S														
3			LW2S		LW2S		LW2S		LW2D		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S
4			S177G		T176C		U235M		U235E		V224N		W391A		Y336G		Z225A		Z960Q		AH27F		AU22G
5			4/2/97		7/15/97		10/22/97		10/22/97		1/29/98		5/19/98		8/19/98		11/13/98		2/18/99		5/17/99		9/20/99
7	1	**CHLORINATED PHENOLS (µg/L)**																					
8	2	**EPA Method SW8040**																					
9	3	Pentachlorophenol	**2600**		**2900**		**4400**		**4800**		**7600**		**8500**		**5000**		**3800**		**6000**		**560**		**1500**
10	4	2,4,6-Trichlorophenol	**0.46**		0.43	U	0.34	U	0.38	U	**0.56**		**0.57**		**0.34**		**0.34**		0.46		0.25	U	**0.16**
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
12	6	2,4,5-Trichlorophenol	0.86	U	0.25	U	0.49	U	0.51	U	0.25	U	**0.57**		**0.61**		0.25	U	0.60	U	0.25	U	0.57
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	**0.13**	J1	**0.18**	J1	0.25	U	0.25	U	0.25	U	0.25
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	**150**		**150**		**190**		**190**		**290**		**370**		**180**		**130**		**300**		**20**		**47**
15	9	2,3,4,5-Tetrachlorophenol	**2.5**		**3.4**		**4.8**		**4.7**		**4.4**		**6.6**		**8.6**		**2.8**		**3.2**		**1.1**		**2.2**
16	10																						
17	11	**SEMIVOLATILES (µg/L)**																					
18	12	**EPA Method SW8270**																					
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10
24	18	Naphthalene	**5.5**		**2.3**		**20**		**17**		**13**		**10**	J2	**13**		**14**		**8.4**		1.0	U	**4.3**
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
31	25	Pentachlorophenol	**3900**		**3000**		**6000**		**7300**		**7900**		**7300**		**4200**		**4100**		**5400**		**500**		**1600**
32	26	bis(2-Ethylhexyl)phthalate	1.0	U	1.0	U	**1.9**		1.0	U	1.0	U	**12**		1.0	U	1.0	U	**1.6**		**1.3**		1.0
33	27																						
34	28	**VOLATILES (µg/L)**																					
35	29	**EPA Method SW8260**																					
36	30	Acetone	10	U	5.0	U	6.9		45	U	5.0	U	**7.4**		5.0	U	**35**		15	U	5.0	U	5.0
37	31	Carbon Disulfide	2.0	U	1.0	U	1.0	U	9.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0
38	32	2-Butanone	10	U	5.0	U	5.0	U	45	U	5.0	U	5.0	U	5.0	U	**7.4**		15	U	**9.4**		**28**
39	33	Benzene	2.0	U	1.0	U	1.0	U	9.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0
40	34	Bromoform	2.0	U	1.0	U	1.0	U	9.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0
41	35	Toluene	2.0	U	**2.0**		**1.1**		9.0	U	1.0	U	1.0	U	**1.4**		**1.3**		3.0	U	1.0	U	1.0
42	36	Ethylbenzene	**5.7**		**11**		**32**		**32**		**17**		**5.1**		**9.7**		**12**		**11**		**2.0**		**6.3**
43	37	Styrene	2.0	U	1.0	U	1.0	U	9.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.0	U	1.0	U	1.0
44	38	m,p-Xylene	**13**		**16**		**37**		**36**		**32**		**12**		**17**		**24**		**18**		**2.6**		**11**
45	39	o-Xylene	**23**		**35**		**91**		**92**		**63**		**23**		**39**		**61**		**42**		**6.9**		**29**
46	40	1,3,5-Trimethylbenzene	**53**		**49**		**130**		**110**		**80**		**34**		**54**		**62**		**93**		**8.7**		**45**
47	41	1,2,4-Trimethylbenzene	**210**		**200**		**640**	J2	**790**	J2	**490**		**160**		**180**		**280**		**330**		**44**		**120**
48	42	Isopropylbenzene	**7.5**		**14**		**62**	J2	**49**	J2	**19**		**6.4**		**10**		**12**		**16**		**2.2**		**7.0**
49	43	n-Propylbenzene	**16**		**26**		**110**		**90**		**38**		**15**		**21**		**22**		**35**		**4.8**		**15**
50	44	tert-Butylbenzene	2.0	U	**1.8**	MJ	**5.7**		9.0	U	**2.7**		1.0	U	1.0	U	1.0	U	3.0		1.0	U	1.0
51	45	sec-Butylbenzene	**7.6**		**11**		**40**	J2	**27**	J2	**22**		**8.2**		**12**	J2	**12**		**15**		**2.9**		**8.0**
52	46	4-Isopropyltoluene	**9.6**		**9.6**		**31**	J2	**22**	J2	**21**		**9.1**		**12**		**12**		**12**		**2.0**		**8.8**
53	47	n-Butylbenzene	**8.5**		**8.4**	M	**29**	J2	**18**	J2	**16**		**7.7**		**10**		**10**		**12**		**1.9**		**7.0**
54	48	Naphthalene	**12.0**		**14**		**75**	J2	**58**	J2	**31**		**14**		**19**		**18**		**22**		5.0	U	**16**
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
56	49																						
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																					
58	51	**Method OR-DEQ**																					
59	52	**TPH-Diesel**	**4.4**		**5.0**		**11**		**11**		**10**		**5.6**		**5.2**		**5.0**		**6.2**		**1.1**		**2.3**
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
62	55																						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1																										
2																										
3			LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S	
4			BC27H		9912050-04A		BH75F		BR64C		CB49I		CK77I		CT55G		DE68C		DM52I		DW48K		ED23E		EM85F	
5			12/8/99		12/8/1999 (d)		2/15/00		5/24/00		8/29/00		11/8/00		2/14/01		6/5/01		8/15/01		11/29/01		2/26/02		6/26/02	
6																										
7	**CHLORINATED PHENOLS (µg/L)**																									
8	**EPA Method SW8040**																									
9	Pentachlorophenol		**1300**		NA		**2100**		**1000**		**720**		**1100**		**650**	J	NA		NA		NA		NA		NA	
10	2,4,6-Trichlorophenol	J1	**0.12**	J1	NA		**0.42**		0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA	
11	2,3,6-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA	
12	2,4,5-Trichlorophenol	U	0.33	U	NA		0.37	U	0.25	U	0.74	U	0.33	U	NA		NA		NA		NA		NA		NA	
13	2,3,4-Trichlorophenol	U	0.25	U	NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		NA		NA		NA		NA	
14	2,3,5,6- and 2,3,4,6-Tetrachlorophenol		**36**		NA		**84**		**28**		**28**		**47**		NA		NA		NA		NA		NA		NA	
15	2,3,4,5-Tetrachlorophenol		**1.6**		NA		**2.2**		**2.1**		**1.0**		**1.5**		NA		NA		NA		NA		NA		NA	
16																										
17	**SEMIVOLATILES (µg/L)**																									
18	**EPA Method SW8270**																									
19	Phenol	U	2.0	U	NA		2.0	U	2.0	U	2.0	U	**2.4**	J2	2.0	U	2.0	U	2.0	U	**2.8**		2.0	U	2.0	U
20	4-Methylphenol	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.0**		1.0	U	1.0	U
21	Isophorone	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
22	2,4-Dimethylphenol	U	3.0	U	NA		3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U
23	Benzoic Acid	U	10	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	10	U	30	U	50	U	50	U
24	Naphthalene		**36**		NA		**8.2**		**5.2**		**1.4**		**9.2**		**12**		**21**		**6.8**		**14**		1.0	U	**6.2**	
25	2-Methylnaphthalene	U	**1.2**		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
26	2,4,6-Trichlorophenol	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
27	2,4,5-Trichlorophenol	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
28	Acenaphthene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
29	Dibenzofuran	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
30	Fluorene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
31	Pentachlorophenol		**1800**		NA		**2100**		**1300**	J2	**200**		**1500**		**1200**	J	**1300**		**700**		**8000**		**320**		**950**	
32	bis(2-Ethylhexyl)phthalate	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	**1.4**		1.0	U	1.0	U	**1.5**		4.0	U	4.0	U
33																										
34	**VOLATILES (µg/L)**																									
35	**EPA Method SW8260**																									
36	Acetone	U	**29**		NA		5.0	U	5.0	U	5.0	U	**27**			R	**33**		**20**		**39**		5.0	U	**8.2**	
37	Carbon Disulfide	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	3.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
38	2-Butanone		**6.7**	M	NA		**32**		**22**		5.0	U	15	U	10	U	34	U	**32**		5.0	U	**5.2**		**13**	
39	Benzene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	3.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
40	Bromoform	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	3.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
41	Toluene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	3.0	U	2.0	U	**1.1**		1.0	U	1.0	U	1.0	U	1.0	U
42	Ethylbenzene		**22**		NA		**11**		**5.3**		**1.6**		**11**		**9.7**		**26**		1.0	U	**15**		1.0	U	**4.7**	
43	Styrene	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	3.0	U	2.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
44	m,p-Xylene		**18**		NA		**18**		**9.9**		**3.0**		**15**		**18**		**36**		**14**		**35**		**1.2**		**7.3**	
45	o-Xylene		**97**		NA		**45**		**25**		**8.1**		**36**		**49**		**87**		**36**		**84**		**3.0**		**18**	
46	1,3,5-Trimethylbenzene		**80**		NA		**69**		**38**		**16**		**47**		**61**		**94**		**34**		**130**		**5.7**		**24**	
47	1,2,4-Trimethylbenzene		**540**		NA		**330**		**160**		**66**		**250**		**320**		**490**		**200**		**420**		**25**		**110**	
48	Isopropylbenzene		**38**		NA		**23**		**7.3**		**2.2**		**9.1**		**19**		**32**		**13**		**16**		1.0	U	**6.8**	
49	n-Propylbenzene		**60**		NA		**48**		**16**		**5.8**		**20**		**36**		**67**		**28**		**32**		**2.0**		**14**	
50	tert-Butylbenzene	U	1.0	U	NA		3.1	U	**1.2**		1.0	U	3.0	U	**3.2**		1.0	U	1.0	U	**68**		1.0	U	1.0	U
51	sec-Butylbenzene		**27**		NA		**24**		**8.2**		**3.9**		**9.3**		**20**		**30**		**15**		1.0	U	**1.4**		**7.5**	
52	4-Isopropyltoluene		**20**		NA		**15**		**7.4**		**3.8**		**8.5**		**17**		**25**		**13**		**22**		**1.5**		**6.6**	
53	n-Butylbenzene		15	U	NA		17	U	**6.5**	M	**3.7**	M	**9.5**		**15**	M	**21**		**12**	M	**18**		**1.2**		5.7	U
54	Naphthalene		**54**		NA		**26**		**10**		5.0	U	**27**		**23**		**60**		**28**		**54**		5.0	U	**11**	
55	Methyl tert-butyl ether		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56																										
57	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																									
58	**Method OR-DEQ**																									
59	**TPH-Diesel**		**9.4**		NA		**5.5**		**3.5**		**1.8**		**4.0**		**9.1**		**9.4**		**5.4**		10		**1.5**		**2.8**	
60	**TPH-D Motor Oil**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	**TPH-Gasoline**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1																							
2									Dup of LW2S														
3			LW2S		LW2S		LW2S		LW2D		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S
4			S177G		T176C		U235M		U235E		V224N		W391A		Y336G		Z225A		Z960Q		AH27F		AU22G
5			4/2/97		7/15/97		10/22/97		10/22/97		1/29/98		5/19/98		8/19/98		11/13/98		2/18/99		5/17/99		9/20/99
63	56	**PRIORITY POLLUTANT**																					
64	57	**METALS (mg/L)**																					
65	58	Arsenic (7060)	**0.008**		**0.012**		0.05	U	0.05	U	0.05	U	**0.011**		**0.011**		**0.017**		**0.007**		**0.005**		**0.008**
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.006**		0.005	U	0.005
67	60	Copper (6010)	0.002	U	**0.002**		0.002	U	0.002	U	0.002	U	0.002	U	**0.002**		0.002	U	**0.007**		0.002	U	0.002
68	61	Lead (7421)	0.001	U	**0.001**		0.02	U	0.02	U	0.02	U	0.001	U	**0.007**		0.001	U	**0.004**		0.001	U	0.001
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01
70	63	Zinc (6010)	**0.004**		**0.006**	J2	**0.007**		**0.004**		**0.004**		**0.004**	J2	**0.098**		**0.006**		**0.026**		0.005	U	**0.008**
71	64																						
72	65	**MAJOR IONS AND CONVENTIONALS**																					
73	66	Calcium (mg/L) (6010)	NA		NA		**18.4**		**18.2**		**9.13**		NA		NA		NA		**7.23**		NA		NA
74	67	Magnesium (mg/L) (6010)	NA		NA		**5.15**		**5.12**		**2.30**		NA		NA		NA		**2.52**		NA		NA
75	68	Potassium (mg/L) (6010)	NA		NA		**2.8**		**2.8**		**1.6**		NA		NA		NA		**1.9**		NA		NA
76	69	Sodium (mg/L) (6010)	NA		NA		**4.77**		**4.74**		**2.54**		NA		NA		NA		**3.69**		NA		NA
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	NA		NA		**62**		**61**		**52**		NA		NA		NA		**25**		NA		NA
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		1.0	U	1.0	U	1.0	U	NA		NA		NA		1.0	U	NA		NA
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	NA		NA		**62**		**61**		**52**		NA		NA		NA		**25**		NA		NA
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**170**	J2	**130**		**140**		**66**		160		140		220		**76**		**160**		**160**
81	74	Chloride (mg/L) (EPA 325.2)	NA		NA		**15**		**15**		**1.9**		3.9		4.6		26		**1.9**		**1.8**		**3.1**
82	75	N-Nitrate (mg-N/L) (Calculated)	NA		NA		**0.023**		**0.017**		0.010	UJ	NA		NA		NA		**0.040**		NA		NA
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	NA		NA		0.010	U	0.010	U	0.010	UJ	NA		NA		NA		**0.016**		NA		NA
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	NA		NA		**0.023**		**0.017**		0.010	UJ	NA		NA		NA		**0.056**		NA		NA
85	78	Sulfate (mg/L) (EPA 375.2)	NA		NA		**5.3**		**5.9**		**6.5**		NA		NA		NA		**9.4**		NA		NA
86	79																						

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1																										
2																										
3			LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S	
4			BC27H		9912050-04A		BH75F		BR64C		CB49I		CK77I		CT55G		DE68C		DM52I		DW48K		ED23E		EM85F	
5			12/8/99		12/8/1999 (d)		2/15/00		5/24/00		8/29/00		11/8/00		2/14/01		6/5/01		8/15/01		11/29/01		2/26/02		6/26/02	
63	**PRIORITY POLLUTANT**																									
64	**METALS (mg/L)**																									
65	Arsenic (7060)		**0.011**		NA		**0.011**		**0.011**		**0.011**		**0.017**		**0.013**		**0.018**		**0.019**		**0.013**		**0.015**		**0.014**	
66	Chromium (6010)	U	0.005	U	NA		0.005	U	0.005	U	**0.005**		0.005	U	0.005	U	0.05	U	0.005	U	0.005	U	0.005	U	0.005	U
67	Copper (6010)	U	**0.002**		NA		**0.003**		**0.003**		**0.007**		**0.005**	J2	0.002	U	0.002	U	**0.004**		0.004	U	**0.003**		0.002	U
68	Lead (7421)	U	0.001	U	NA		0.001	U	0.001	U	**0.003**		**0.003**		0.001	U	0.001	U	**0.001**		**0.004**		0.001	U	0.001	U
69	Nickel (6010)	U	0.01	U	NA		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
70	Zinc (6010)		0.009	U	NA		**0.010**		**0.006**		**0.016**		**0.013**		**0.011**		0.006	U	**0.012**		**0.012**		**0.006**		**0.012**	
71																										
72	**MAJOR IONS AND CONVENTIONALS**																									
73	Calcium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**35.6**		**42.2**		**24.3**		**23.3**		**12.3**		NA	
74	Magnesium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**9.27**		**10.1**		**7.63**		**7.65**		**3.88**		NA	
75	Potassium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**2.7**		**3.4**		**3.1**		**2.9**		**2.0**		NA	
76	Sodium (mg/L) (6010)		NA		NA		NA		NA		NA		NA		**5.10**		**5.23**		**5.84**		**5.14**		**3.46**		NA	
77	Alkalinity (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		**140**		NA		NA		NA		**67**		NA	
78	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		1.0	U	NA		NA		NA		1.0	U	NA	
79	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)		NA		NA		NA		NA		NA		NA		**140**		NA		NA		NA		**67**		NA	
80	Total Dissolved Solids (mg/L) (EPA 160.1)		**170**		NA		**84**		**140**		**180**		**220**		**210**		**300**		**210**		**190**		**120**		**110**	
81	Chloride (mg/L) (EPA 325.2)		**7.5**		NA		**1.8**		**2.5**		**2.8**		**26**		**15**		**38**		**26**		**9.7**		**4.1**		**3.3**	
82	N-Nitrate (mg-N/L) (Calculated)		NA		NA		NA		NA		NA		NA		**0.010**		NA		NA		NA		0.010	U	NA	
83	N-Nitrite (mg-N/L) (EPA 354.1)		NA		NA		NA		NA		NA		NA		0.010	U	NA		NA		NA		**0.026**		NA	
84	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)		NA		NA		NA		NA		NA		NA		**0.010**		NA		NA		NA		**0.033**	J	NA	
85	Sulfate (mg/L) (EPA 375.2)		NA		NA		NA		NA		NA		NA		**5.7**		NA		NA		NA		**4.3**		NA	
86																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1																							
2									Dup of LW2S														
3			LW2S		LW2S		LW2S		LW2D		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S
4			S177G		T176C		U235M		U235E		V224N		W391A		Y336G		Z225A		Z960Q		AH27F		AU22G
5			4/2/97		7/15/97		10/22/97		10/22/97		1/29/98		5/19/98		8/19/98		11/13/98		2/18/99		5/17/99		9/20/99
87	80	**FIELD PARAMETERS**																					
88	81	pH (avg)	6.69		6.62		6.77		6.78		6.83		6.19		6.18		5.9300		6.21		5.62		6.06
89	82	Temperature (° C) (avg)	10.0		15		15.7		15.7		10.8		12.6		14.4		14.7000		8.6		11.2		16.6
90	83	Conductivity (um/hos)	291		258		168		167		108		244		299		148.0000		57		221		221
91	84	Dissolved oxygen (mg/L) (avg)	NA		NA		NA		NA		NA		2.71		1.43		1.31		1.47		3.08		1.58
92	85																						
93	86	**DIOXINS AND FURANS (ng/L)**																					
94	87	**Method 8290**																					
95	88	2,3,7,8-TCDF	**0.0040**		0.0045	U	**0.036**		NA		**0.0052**	(c)	**0.0045**	(c)	**0.012**	(c)	**0.0080**	(c)	**0.0079**	(c)	**0.0045**	(c)	**0.0060**
96	89	Total TCDF	**0.0180**		0.0016-0.0048	U	**0.310**		NA		**0.0190**		**0.0280**		**0.060**		**0.0370**		**0.0079**		**0.0230**		**0.0510**
97	90	2,3,7,8-TCDD	0.0042	U	0.0034	U	0.049	U	NA		0.0051	U	0.0025	U	0.0062	U	0.0044	U	**0.0280**		0.0035	U	0.0054
98	91	Total TCDD	0.0014-0.0042	U	0.0011-0.0036	U	**0.940**		NA		**0.0044**		0.0025	U	0.0062	U	0.0044	U	**0.3000**		**0.0025**		0.0054
99	92	1,2,3,7,8-PeCDF	0.0340	U	0.2600	U	0.075	U	NA		**0.0077**		**0.0150**		2.0000	U (b)	**0.0200**		3.00	U,E	**0.0130**		0.1800
100	93	2,3,4,7,8-PeCDF	**0.0120**		0.0190	U	**0.110**		NA		0.0160	U	**0.0110**		0.1200	U (b)	**0.0430**		**0.2600**		**0.0240**		**0.1100**
101	94	Total PeCDF	**0.2400**		**0.120**		**1.300**		NA		**0.2200**		**0.1900**		**0.470**		**0.3000**		**0.4200**		**0.1600**		**0.6700**
102	95	1,2,3,7,8-PeCDD	0.0120	U	0.0072	U	**0.360**		NA		0.0160	U	**0.0049**		**0.014**		**0.0110**		**0.2800**		0.0045	U	**0.0130**
103	96	Total PeCDD	0.0032-0.0077	U	0.0025-0.014	U	**3.000**		NA		0.0160	U	**0.0049**		**0.014**		**0.0110**		**1.5000**		**0.0019**		**0.0200**
104	97	1,2,3,4,7,8-HxCDF	**0.0590**		**0.019**		1.900	U	NA		0.1300	UE	0.1100	U	**0.180**		0.8400	U	0.50	U,E	**0.0280**		**0.1800**
105	98	1,2,3,6,7,8-HxCDF	**0.0300**		0.0160	U	**0.260**		NA		**0.0470**		**0.0260**		**0.120**		**0.0660**		**0.0870**		0.1900	U,E	**0.1200**
106	99	2,3,4,6,7,8-HxCDF	**0.0580**		**0.033**		**0.620**		NA		**0.0740**		**0.0610**	J2	**0.220**		**0.0840**		**0.5700**		**0.0430**		**0.1600**
107	100	1,2,3,7,8,9-HxCDF	**0.0280**		**0.013**		**0.260**		NA		**0.0340**		0.0220	U	**0.078**		**0.0380**		0.53	U,E	**0.0220**		**0.0950**
108	101	Total HxCDF	**0.8800**		**0.370**		**14.000**		NA		**0.9700**		**2.0000**	J2	**2.700**		**1.6000**		**14.0000**		**1.5000**		**14.0000**
109	102	1,2,3,4,7,8-HxCDD	**0.0120**		0.0110	U	**0.630**		NA		**0.0180**		**0.0170**		**0.045**		**0.0310**		**0.2600**		**0.0110**		**0.0620**
110	103	1,2,3,6,7,8-HxCDD	**0.3400**		**0.150**		**3.400**		NA		**0.4000**		**0.4000**	J2	**1.200**		**0.5900**		**3.0000**		**0.1800**		**1.2000**
111	104	1,2,3,7,8,9-HxCDD	**0.0280**		**0.012**		**0.960**		NA		**0.0410**		**0.0400**		**0.110**		**0.0540**		**0.4900**		**0.0170**		**0.1200**
112	105	Total HxCDD	**0.7900**		**0.350**		**14.000**		NA		**0.9500**		**1.0000**	J2	**2.800**		**1.5000**		**10.0000**		**0.4200**		**2.8000**
113	106	1,2,3,4,6,7,8-HpCDF	**1.5000**		**0.600**		**9.700**		NA		**1.5000**		**1.4000**		**4.500**		**2.6000**		**11.0000**		**0.4800**		**4.8000**
114	107	1,2,3,4,7,8,9-HpCDF	**0.0980**		**0.039**		**0.990**		NA		**0.1000**		**0.0990**		**0.340**		**0.1800**		**0.8300**		**0.0440**		**0.3300**
115	108	Total HpCDF	**6.7000**		**0.640**		**43.000**		NA		**4.8000**		**6.3000**		**4.800**		**13.0000**		**65.0000**		**2.8000**		**5.1000**
116	109	1,2,3,4,6,7,8-HpCDD	**10.0000**		**3.800**		**54.000**		NA		**9.9000**		**8.4000**		**28.000**	J2	**17.0000**		**56.0000**		**4.0000**		**30.0000**
117	110	Total HpCDD	**15.0000**		**5.700**		**82.000**		NA		**15.0000**		**13.0000**		**39.000**	J2	**26.0000**		**84.0000**		**5.6000**		**45.0000**
118	111	OCDF	**8.8000**		**2.600**		**40.000**		NA		**7.0000**		**6.9000**		**20.000**		**12.0000**		**43.0000**		**3.1000**		**29.0000**
119	112	OCDD	**76.0000**		**25.000**		**350.000**		NA		**65.0000**		**58.0000**	J2	**190.000**	J2	**110.0000**		**320.0000**		**25.0000**		**210.0000**
120																							
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
122																							

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1																										
2																										
3			LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S	
4			BC27H		9912050-04A		BH75F		BR64C		CB49I		CK77I		CT55G		DE68C		DM52I		DW48K		ED23E		EM85F	
5			12/8/99		12/8/1999 (d)		2/15/00		5/24/00		8/29/00		11/8/00		2/14/01		6/5/01		8/15/01		11/29/01		2/26/02		6/26/02	
87	**FIELD PARAMETERS**																									
88	pH (avg)		6.25		NM		6.42		6.23		6.59		5.58		6.01		6.33		6.54		6.22		4.96		6.39	
89	Temperature (° C) (avg)		12.6		NM		10.8		12.8		15.5		15.3		11.3		12.7		15.5		14.5		11.1		15.2	
90	Conductivity (um/hos)		267		NM		91		267		268		302		305		427		299		321		124		150	
91	Dissolved oxygen (mg/L) (avg)		2.34		NM		0.95		1.22		1.73		0.98		0.59		1.32		3.04		3.76		7.98		3.67	
92																										
93	**DIOXINS AND FURANS (ng/L)**																									
94	**Method 8290**																									
95	2,3,7,8-TCDF	(c)	0.00330	U	NA		0.086	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	Total TCDF		**0.0280**		NA		**0.0540**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	2,3,7,8-TCDD	U	0.00079	U	NA		0.0047	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	Total TCDD	U	0.00079	U	NA		0.0047	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	1,2,3,7,8-PeCDF	UE	0.00170	U	NA		2.400	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	2,3,4,7,8-PeCDF		**0.0160**	J1	NA		**0.0260**	J1	NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	Total PeCDF		**0.1000**		NA		**0.1200**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	1,2,3,7,8-PeCDD		**0.0049**	J1	NA		**0.0068**	J1	NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	Total PeCDD		**0.0074**	J1	NA		**0.0110**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	1,2,3,4,7,8-HxCDF		**0.0690**		NA		0.860	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	1,2,3,6,7,8-HxCDF		0.720	U	NA		0.0460	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	2,3,4,6,7,8-HxCDF		**0.0330**	J1	NA		**0.0420**	J1	NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	1,2,3,7,8,9-HxCDF		0.011	U	NA		0.0100	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	Total HxCDF		**2.1000**		NA		**2.9000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	1,2,3,4,7,8-HxCDD		0.020	U	NA		0.012	U	NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	1,2,3,6,7,8-HxCDD		**0.4800**		NA		**0.4400**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	1,2,3,7,8,9-HxCDD		**0.0410**	J1	NA		**0.0290**	J1	NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	Total HxCDD		**1.1000**		NA		**1.2000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	1,2,3,4,6,7,8-HpCDF		**2.2000**		NA		**1.7000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	1,2,3,4,7,8,9-HpCDF		**0.1200**		NA		**0.1200**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	Total HpCDF		**10.0000**		NA		**9.2000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	1,2,3,4,6,7,8-HpCDD		**14.0000**		NA		**11.0000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	Total HpCDD		**20.0000**		NA		**17.0000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	OCDF		**11.0000**		NA		**9.0000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	OCDD		**100.0000**	N2	NA		**76.0000**		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																										
121	**ETHANOL (mg/L)**		NA		10	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1																							
2									Dup of LW2S														
3			LW2S		LW2S		LW2S		LW2D		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S
4			S177G		T176C		U235M		U235E		V224N		W391A		Y336G		Z225A		Z960Q		AH27F		AU22G
5			4/2/97		7/15/97		10/22/97		10/22/97		1/29/98		5/19/98		8/19/98		11/13/98		2/18/99		5/17/99		9/20/99
123		**PAHs (µg/L)**																					
124		**EPA Method SW8270 SIM**																					
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		**8.2**		NA		NA
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		**0.41**		NA		NA
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		**0.11**	M	NA		NA
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		0.10	U	NA		NA

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1																										
2																										
3			LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S		LW2S	
4			BC27H		9912050-04A		BH75F		BR64C		CB49I		CK77I		CT55G		DE68C		DM52I		DW48K		ED23E		EM85F	
5			12/8/99		12/8/1999 (d)		2/15/00		5/24/00		8/29/00		11/8/00		2/14/01		6/5/01		8/15/01		11/29/01		2/26/02		6/26/02	
123	**PAHs (µg/L)**																									
124	**EPA Method SW8270 SIM**																									
125	Naphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126	2-Methylnaphthalene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127	Acenaphthylene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128	Acenaphthene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129	Fluorene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130	Anthracene		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131	Dibenzofuran		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S	
4			S167C		T160D		U235C		V208B		W371C		Z960T		AH76M		BH75A		CT37J		ED16C		EM75C		FF48D	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
7	1	**CHLORINATED PHENOLS (µg/L)**																								
8	2	**EPA Method SW8040**																								
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	**0.86**		0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
16	10																									
17	11	**SEMIVOLATILES (µg/L)**																								
18	12	**EPA Method SW8270**																								
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	NA		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	NA		2	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	NA		3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	NA		3	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		10	U	10	U	10	U	10	U	50	U	NA		50	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	4.0	U	NA		1	U
33	27																									
34	28	**VOLATILES (µg/L)**																								
35	29	**EPA Method SW8260**																								
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	14	U	5.0	U	NA		5	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	**5.7**		NA		5	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																									
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	51	**Method OR-DEQ**																								
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S	
4			S167C		T160D		U235C		V208B		W371C		Z960T		AH76M		BH75A		CT37J		ED16C		EM75C		FF48D	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
63	56	**PRIORITY POLLUTANT**																								
64	57	**METALS (mg/L)**																								
65	58	Arsenic (7060)	**0.001**		**0.002**		0.05	U	0.05	U	**0.002**		0.001	U	0.001	U	0.001	U	**0.002**		**0.005**		NA		0.001	U
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U
67	60	Copper (6010)	**0.002**		**0.002**		0.002	U	**0.003**		**0.004**		**0.002**		**0.003**		**0.003**		0.002	U	**0.008**		NA		**0.005**	
68	61	Lead (7421)	**0.001**		**0.002**		0.02	U	0.02	U	**0.002**		0.001	U	**0.001**		**0.001**		0.001	U	**0.002**		NA		**0.001**	
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U
70	63	Zinc (6010)	**0.006**		**0.012**		**0.004**		**0.007**		**0.012**	J2	**0.017**	J	**0.010**		**0.006**		0.006	U	**0.017**		NA		**0.011**	
71	64																									
72	65	**MAJOR IONS AND CONVENTIONALS**																								
73	66	Calcium (mg/L) (6010)	**12.5**		**12.8**		**12.0**		**5.13**		NA		NA		NA		NA		NA		**7.22**		NA		**2.58**	
74	67	Magnesium (mg/L) (6010)	**3.83**		**3.71**		**2.94**		**1.64**		NA		NA		NA		NA		NA		**2.44**		NA		**1.03**	
75	68	Potassium (mg/L) (6010)	**2.2**		**3.0**		**3.1**		**1.4**		NA		NA		NA		NA		NA		**1.7**		NA		**0.8**	
76	69	Sodium (mg/L) (6010)	**7.77**		**4.6**		**4.80**		**4.86**		NA		NA		NA		NA		NA		**7.44**		NA		**7**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**46**		**39**		**34**		**28**		NA		NA		NA		NA		NA		**38**		NA		**15**	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		1.0	U	NA		1	U
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**46**		**39**		**34**		**28**		NA		NA		NA		NA		NA		**38**		NA		**15**	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**110**		**94**		**61**	J2	NA		NA		**75**		**67**		**100**		**72**		NA		**84**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.1**	J	**2.1**		**1.2**		**1.0**		NA		NA		**1.7**		**1.6**		**1.8**		**1.0**		NA		**1.6**	
82	75	N-Nitrate (mg-N/L) (Calculated)	**1.3**	J	**2.2**		**1.8**		**0.17**		NA		NA		NA		NA		NA		**0.098**		NA		**0.91**	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	**0.016**	J	**0.021**		0.010	U	**0.013**		NA		NA		NA		NA		NA		0.010	U	NA		**0.017**	
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**1.3**	J	**2.2**		**1.8**		**0.18**		NA		NA		NA		NA		NA		**0.098**		NA		**0.93**	
85	78	Sulfate (mg/L) (EPA 375.2)	**19**	J	**14**		**14**		**3.4**		NA		NA		NA		NA		NA		**5.2**		NA		**6.2**	
86	79																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S	
4			S167C		T160D		U235C		V208B		W371C		Z960T		AH76M		BH75A		CT37J		ED16C		EM75C		FF48D	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
87	80	**FIELD PARAMETERS**																								
88	81	pH (avg)	6.75		6.44		6.52		6.89		5.89		6.61		5.91		6.69		6.36		6.00		5.43		6.64	
89	82	Temperature (° C) (avg)	10.5		18.4		16.1		9.5		11.9		8.6		13.1		9.8		10.6		9.0		13.6		10.8	
90	83	Conductivity (um/hos)	138		147		115		0.63		93		78		64		66		133		73		174		41	
91	84	Dissolved oxygen (mg/L) (avg)									4.88		5.21		3.12		4.83		3.47		5.49		4.62		4.71	
92	85																									
93	86	**DIOXINS AND FURANS (ng/L)**																								
94	87	**Method 8290**																								
95	88	2,3,7,8-TCDF	**0.0088**		0.0025	U	0.0066	U	0.0017	U	NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	0.0044-0.016	U	0.0011-0.0037	U	0.0025-0.0081	U	0.0017	U	NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	0.0160	U	0.0023	U	0.0074	U	0.0023	U	NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	0.0032-0.025	U	0.0012-0.0052	U	0.0018-0.0099	U	**0.0035**		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	0.0083	U	0.0058	U	**0.0100**		0.0015	U	NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	0.0120	U	0.0021	U	0.0062	U	0.0017	U	NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	0.0026-0.018	U	0.0015-0.0064	U	**0.0960**		0.0016	U	NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	0.0260	U	0.0100	U	0.0120	U	0.0030	U	NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	0.010-0.034	U	0.0020-0.0100	U	0.0056-0.013	U	0.0030	U	NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	0.0044	U	0.0017	U	0.0083	U	0.0018	U	NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	0.0057	U	0.0034	U	0.0049	U	0.0021	U	NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	0.0080	U	0.0076	U	0.0064	U	0.0041	U	NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	0.0160	U	0.0045	U	0.0068	U	0.0020	U	NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	0.0048-0.017	U	0.0017-0.0076	U	0.0270	U	0.0041	U	NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	0.0250	U	0.0078	U	0.0080	U	0.0025	U	NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	0.0180	U	0.0072	U	**0.0089**		0.0041	U	NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	0.0160	U	0.0032	U	0.0120	U	0.0030	U	NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	0.011-0.031	U	0.0025-0.0078	U	**0.0230**		0.0032	U	NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	0.0160	U	0.0046	U	**0.0240**		0.0130	U	NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	0.0280	U	0.0057	U	0.0039	U	0.0035	U	NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	0.012-0.028	U	0.0014-0.0058	U	0.0280	U	0.0083	U	NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	0.0230	U	0.0068	U	**0.3000**		0.0064	U	NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	0.013-0.038	U	0.0021-0.0080	U	**0.4400**		0.0064	U	NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	0.0520	U	0.0079	U	**0.1800**		0.0041	U	NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	0.0500	U	0.0300	U	**1.2000**		0.0210	U	NA		NA		NA		NA		NA		NA		NA		NA	
120																										
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S		LW101S	
4			S167C		T160D		U235C		V208B		W371C		Z960T		AH76M		BH75A		CT37J		ED16C		EM75C		FF48D	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
123		**PAHs (µg/L)**																								
124		**EPA Method SW8270 SIM**																								
125		Naphthalene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		0.10	U	NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S	
4			S167D		T160E		U235B		V211B		W371B		Z960S		AH76L		BH75B		CT37H		ED16B		EM75B		FF48C	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
7	1	**CHLORINATED PHENOLS (µg/L)**																								
8	2	**EPA Method SW8040**																								
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		**0.66**		**0.31**		0.25	U	**0.28**		0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
16	10																									
17	11	**SEMIVOLATILES (µg/L)**																								
18	12	**EPA Method SW8270**																								
19	13	Phenol	2.0	U	2.0	U	2.0	UJ	2.0	U	NA		NA		2.0	U	2.0	U	2.0	U	2.0	U	NA		2	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	**3.5**		1.0	U	NA		**6.8**	
21	15	Isophorone	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	UJ	3.0	U	NA		NA		3.0	U	3.0	U	3.0	U	3.0	U	NA		3	U
23	17	Benzoic Acid	10	U	10	U	10	UJ	10	U	NA		NA		10	U	10	U	10	U	50	U	NA		50	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	UJ	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	UJ	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
30	24	Fluorene	1.0	U	1.0	U	1.0	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	UJ	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.3	UJ	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	4.0	U	NA		1	U
33	27																									
34	28	**VOLATILES (µg/L)**																								
35	29	**EPA Method SW8260**																								
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	160	U	**7.9**		NA		**15**	
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																									
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	51	**Method OR-DEQ**																								
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S	
4			S167D		T160E		U235B		V211B		W371B		Z960S		AH76L		BH75B		CT37H		ED16B		EM75B		FF48C	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
63	56	**PRIORITY POLLUTANT**																								
64	57	**METALS (mg/L)**																								
65	58	Arsenic (7060)	0.001	U	**0.002**		0.05	U	0.05	U	**0.001**		0.001	U	0.001	U	0.001	U	**0.001**		0.001	U	NA		0.001	U
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U
67	60	Copper (6010)	**0.003**		**0.002**		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.002**		0.002	U	0.002	U	NA		**0.005**	
68	61	Lead (7421)	0.001	U	**0.002**		0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	NA		0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U
70	63	Zinc (6010)	**0.008**		**0.009**		0.004	U	0.004	U	**0.014**	J2	**0.008**	J	0.004	U	0.006	U	0.006	U	0.006	U	NA		0.006	U
71	64																									
72	65	**MAJOR IONS AND CONVENTIONALS**																								
73	66	Calcium (mg/L) (6010)	**14.6**		**14.1**		**12.6**		**18.5**		NA		NA		NA		NA		NA		**8.93**		NA		**9.42**	
74	67	Magnesium (mg/L) (6010)	**5.39**		**5.64**		**4.87**		**6.76**		NA		NA		NA		NA		NA		**3.65**		NA		**3.85**	
75	68	Potassium (mg/L) (6010)	**2.4**		**2.6**		**2.5**		**2.0**		NA		NA		NA		NA		NA		**1.6**		NA		**1.5**	
76	69	Sodium (mg/L) (6010)	**6.16**		**5.94**		**6.18**		**7.92**		NA		NA		NA		NA		NA		**5.36**		NA		**5.2**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**62**		**67**		**61**		**110**		NA		NA		NA		NA		NA		**46**		NA		**47**	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		1.0	U	NA		1	U
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**62**		**67**		**61**		**110**		NA		NA		NA		NA		NA		**46**		NA		**47**	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**110**		**120**		**120**		NA		NA		**83**		**72**		**120**		**80**		NA		**84**	
81	74	Chloride (mg/L) (EPA 325.2)	**4.2**	J	**3.0**		**1.9**		**4.4**		NA		NA		**1.6**		**1.5**		**1.3**		**2.5**		NA		**2.2**	
82	75	N-Nitrate (mg-N/L) (Calculated)	**0.12**	J	**0.083**		**0.023**		**0.78**	J2	NA		NA		NA		NA		NA		**0.21**		NA		**0.66**	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	0.010	U	0.010	U	0.010	UJ	NA		NA		NA		NA		NA		0.010	U	NA		0.01	U
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	**0.12**	J	**0.083**		**0.023**		**0.78**	J2	NA		NA		NA		NA		NA		**0.21**		NA		**0.66**	
85	78	Sulfate (mg/L) (EPA 375.2)	**4.5**	J	**4.7**		**3.2**		**6.0**		NA		NA		NA		NA		NA		**5.1**		NA		**6.1**	
86	79																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S	
4			S167D		T160E		U235B		V211B		W371B		Z960S		AH76L		BH75B		CT37H		ED16B		EM75B		FF48C	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
87	80	**FIELD PARAMETERS**																								
88	81	pH (avg)	6.63		6.60		6.76		6.60		6.06		6.71		6.04		6.59		5.63		6.13		5.24		6.74	
89	82	Temperature (° C) (avg)	10.6		19.0		16.8		9.8		14.4		9.3		13.5		10.0		9.5		9.1		14.5		11	
90	83	Conductivity (um/hos)	136		158		133		188		129		100		87		94		127		90		91		104	
91	84	Dissolved oxygen (mg/L) (avg)									2.82		5.70		3.14		3.51		1.74		7.06		4.96		2.17	
92	85																									
93	86	**DIOXINS AND FURANS (ng/L)**																								
94	87	**Method 8290**																								
95	88	2,3,7,8-TCDF	0.0026	U	0.0011	U	0.0024	U	0.0018	U	NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	0.0013-0.0048	U	0.0006-0.0058	U	0.0012-0.0052	U	0.0018	U	NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	0.0033	U	0.0023	U	0.0055	U	0.0037	U	NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	0.0023-0.0075	U	0.008-0.0068	U	0.0018-0.0090	U	0.0037	U	NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	0.0027	U	0.0045	U	0.0020	U	0.0018	U	NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	0.0025	U	0.0031	U	0.0021	U	0.0024	U	NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	0.0013-0.0078	U	0.0014-0.0088	U	0.0015-0.0068	U	0.0021	U	NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	0.0061	U	0.0077	U	0.0040	U	0.0057	U	NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	0.0030-0.011	U	0.0023-0.0093	U	0.0016-0.0092	U	0.0057	U	NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	0.0031	U	0.0034	U	0.0067	U	0.0021	U	NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	0.0043	U	0.0031	U	0.0048	U	0.0019	U	NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	0.0053	U	0.0031	U	0.0048	U	0.0036	U	NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	0.0049	U	0.0049	U	0.0020	U	0.0031	U	NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	0.0053	U	0.0020-0.0066	U	0.0048	U	0.0057	U	NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	0.0054	U	0.0030	U	0.0073	U	0.0034	U	NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	0.0068	U	0.0056	U	0.0084	U	0.0041	U	NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	0.0073	U	0.0084	U	0.0039	U	0.0019	U	NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	0.0030-0.010	U	0.0023-0.0084	U	0.0029-0.013	U	0.0031	U	NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	0.0044	U	**0.0016**		0.0047	U	0.0160	U	NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	0.0073	U	0.0063	U	0.0077	U	0.0052	U	NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	**0.0062**		**0.0043**		0.0150	U	0.0106	U	NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	0.0110	U	0.0065	U	**0.0180**		0.0070	U	NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	0.0170	U	0.0024-0.0092	U	**0.0310**		0.0070	U	NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	**0.0100**		**0.0062**		0.0170	U	**0.0074**		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	0.0710	U	0.0280	U	**0.1200**		0.0390	U	NA		NA		NA		NA		NA		NA		NA		NA	
120																										
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S		LW102S	
4			S167D		T160E		U235B		V211B		W371B		Z960S		AH76L		BH75B		CT37H		ED16B		EM75B		FF48C	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
123		**PAHs (µg/L)**																								
124		**EPA Method SW8270 SIM**																								
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																									Dup of LW103S			
3			LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW13D		LW103S	
4			S167B		T160C		U235D		V211A		W371D		Z960U		AH76N		BH75C		CT37K		ED16D		EM75D		EM75I		FF48E	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		6/25/02		2/10/03	
7	1	**CHLORINATED PHENOLS (µg/L)**																										
8	2	**EPA Method SW8040**																										
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	**0.58**		0.25	U	0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA		NA	
16	10																											
17	11	**SEMIVOLATILES (µg/L)**																										
18	12	**EPA Method SW8270**																										
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	NA		NA		2.0	U	2.0	U	2.0	U	2.0	U	NA		NA		2	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	NA		NA		3.0	U	3.0	U	3.0	U	3.0	U	NA		NA		3	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		NA		10	U	10	U	10	U	50	U	NA		NA		50	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	4.0	U	NA		NA		1	U
33	27																											
34	28	**VOLATILES (µg/L)**																										
35	29	**EPA Method SW8260**																										
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	9.1	U	5.0	U	NA		NA		5	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																											
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																										
58	51	**Method OR-DEQ**																										
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																									Dup of LW103S			
3			LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW13D		LW103S	
4			S167B		T160C		U235D		V211A		W371D		Z960U		AH76N		BH75C		CT37K		ED16D		EM75D		EM75I		FF48E	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		6/25/02		2/10/03	
63	56	**PRIORITY POLLUTANT**																										
64	57	**METALS (mg/L)**																										
65	58	Arsenic (7060)	**0.007**		**0.011**		0.05	U	0.05	U	**0.010**		**0.009**		**0.011**		**0.019**		**0.008**		**0.013**		NA		NA		**0.008**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		NA		0.005	U
67	60	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	**0.007**		0.002	U	**0.003**		NA		NA		0.002	U
68	61	Lead (7421)	0.001	U	**0.001**		0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	**0.003**		0.001	U	0.001	U	NA		NA		0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA		NA		0.01	U
70	63	Zinc (6010)	**0.005**		**0.008**		**0.004**		**0.005**		**0.006**	J2	**0.007**	J	0.004	U	**0.010**		0.006	U	0.006	U	NA		NA		0.006	U
71	64																											
72	65	**MAJOR IONS AND CONVENTIONALS**																										
73	66	Calcium (mg/L) (6010)	**13.5**		**19**		**15.6**		**16.0**		NA		NA		NA		NA		NA		**17.0**		NA		NA		**15.4**	
74	67	Magnesium (mg/L) (6010)	**5.02**		**6.95**		**5.65**		**5.89**		NA		NA		NA		NA		NA		**6.51**		NA		NA		**5.89**	
75	68	Potassium (mg/L) (6010)	**1.8**		**2.0**		**2.0**		**1.3**		NA		NA		NA		NA		NA		**1.7**		NA		NA		**1.4**	
76	69	Sodium (mg/L) (6010)	**4.93**		**5.35**		**5.11**		**5.99**		NA		NA		NA		NA		NA		**5.57**		NA		NA		**6.7**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**95**		**84**		**71**		**84**		NA		NA		NA		NA		NA		**83**		NA		NA		**100**	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		1.0	U	NA		NA		1	U
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**95**		**84**		**71**		**84**		NA		NA		NA		NA		NA		**83**		NA		NA		**100**	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**130**		**100**		**110**		NA		NA		**110**		**97**		**130**		**110**		NA		NA		**110**	
81	74	Chloride (mg/L) (EPA 325.2)	**2.2**	J	**2.5**		**1.7**		**1.3**		NA		NA		**1.7**		**2.3**		**2.5**		**2.3**		NA		NA		**2.8**	
82	75	N-Nitrate (mg-N/L) (Calculated)	0.010	U	0.010	U	**0.036**		**0.057**	J2	NA		NA		NA		NA		NA		**0.093**		NA		NA		**0.2**	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	**0.017**		**0.016**		0.010	UJ	NA		NA		NA		NA		NA		0.010	U	NA		NA		0.01	U
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	0.010	U	0.010	U	**0.052**		**0.057**	J2	NA		NA		NA		NA		NA		**0.093**		NA		NA		**0.2**	
85	78	Sulfate (mg/L) (EPA 375.2)	**5.5**	J	**4.6**		**2.6**		2.5	U	NA		NA		NA		NA		NA		**2.9**		NA		NA		**8.6**	
86	79																											

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																									Dup of LW103S			
3			LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW13D		LW103S	
4			S167B		T160C		U235D		V211A		W371D		Z960U		AH76N		BH75C		CT37K		ED16D		EM75D		EM75I		FF48E	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		6/25/02		2/10/03	
87	80	**FIELD PARAMETERS**																										
88	81	pH (avg)	6.74		6.75		6.77		6.73		6.37		7.02		6.14		6.74		6.52		6.17		6.47		6.47		7.12	
89	82	Temperature (° C) (avg)	10.9		14.6		14.7		12.2		13.2		10.8		12.4		11.0		11.5		10.7		13.5		13.5		12.2	
90	83	Conductivity (um/hos)	157		222		180		198		214		128		174		135		160		170		187		188		184	
91	84	Dissolved oxygen (mg/L) (avg)									1.47		2.98		2.79		2.56		3.55		5.73		5.70		5.74		1.79	
92	85																											
93	86	**DIOXINS AND FURANS (ng/L)**																										
94	87	**Method 8290**																										
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																												
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																												

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1																												
2																									Dup of LW103S			
3			LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW103S		LW13D		LW103S	
4			S167B		T160C		U235D		V211A		W371D		Z960U		AH76N		BH75C		CT37K		ED16D		EM75D		EM75I		FF48E	
5			3/31/97		7/14/97		10/21/97		1/27/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		6/25/02		2/10/03	
123		**PAHs (µg/L)**																										
124		**EPA Method SW8270 SIM**																										
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S	
4			S167A		T160B		U235A		V208A		W371A		Z960R		AH76K		BH75D		CT37G		ED16A		EM75A		FF48B	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
6																										
7	1	**CHLORINATED PHENOLS (µg/L)**																								
8	2	**EPA Method SW8040**																								
9	3	Pentachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	0.25	U	**0.77**		0.25	U	0.25	U
10	4	2,4,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
11	5	2,3,6-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
12	6	2,4,5-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
13	7	2,3,4-Trichlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
14	8	2,3,5,6- and 2,3,4,6-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
15	9	2,3,4,5-Tetrachlorophenol	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	NA		NA		NA		NA	
16	10																									
17	11	**SEMIVOLATILES (µg/L)**																								
18	12	**EPA Method SW8270**																								
19	13	Phenol	2.0	U	2.0	U	2.0	U	2.0	U	NA		NA		2.0	U	2.0	U	2.0	U	2.0	U	NA		2	U
20	14	4-Methylphenol	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
21	15	Isophorone	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
22	16	2,4-Dimethylphenol	3.0	U	3.0	U	3.0	U	3.0	U	NA		NA		3.0	U	3.0	U	3.0	U	3.0	U	NA		3	U
23	17	Benzoic Acid	10	U	10	U	10	U	10	U	NA		NA		10	U	10	U	10	U	50	U	NA		50	U
24	18	Naphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
25	19	2-Methylnaphthalene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
26	20	2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
27	21	2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
28	22	Acenaphthene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
29	23	Dibenzofuran	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
30	24	Fluorene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
31	25	Pentachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
32	26	bis(2-Ethylhexyl)phthalate	1.0	UJ	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	**2.0**		**10**		NA		1	U
33	27																									
34	28	**VOLATILES (µg/L)**																								
35	29	**EPA Method SW8260**																								
36	30	Acetone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	8.9	U	5.0	U	NA		5	U
37	31	Carbon Disulfide	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
38	32	2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
39	33	Benzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
40	34	Bromoform	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
41	35	Toluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
42	36	Ethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
43	37	Styrene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
44	38	m,p-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
45	39	o-Xylene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
46	40	1,3,5-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
47	41	1,2,4-Trimethylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
48	42	Isopropylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
49	43	n-Propylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
50	44	tert-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
51	45	sec-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
52	46	4-Isopropyltoluene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
53	47	n-Butylbenzene	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1	U
54	48	Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	NA		NA		5.0	U	5.0	U	5.0	U	5.0	U	NA		5	U
55	48.5	Methyl tert-butyl ether	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
56	49																									
57	50	**TOTAL PETROLEUM HYDROCARBONS (mg/L)**																								
58	51	**Method OR-DEQ**																								
59	52	**TPH-Diesel**	0.25	U	0.25	U	0.25	U	0.25	U	NA		NA		0.25	U	0.25	U	**0.32**		0.25	U	NA		0.25	U
60	53	**TPH-D Motor Oil**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
61	54	**TPH-Gasoline**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
62	55																									

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S	
4			S167A		T160B		U235A		V208A		W371A		Z960R		AH76K		BH75D		CT37G		ED16A		EM75A		FF48B	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
63	56	**PRIORITY POLLUTANT**																								
64	57	**METALS (mg/L)**																								
65	58	Arsenic (7060)	**0.002**		**0.003**		0.05	U	0.05	U	**0.002**		**0.002**		**0.001**		**0.002**		**0.002**		**0.002**		NA		**0.002**	
66	59	Chromium (6010)	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	NA		0.005	U
67	60	Copper (6010)	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	NA		**0.028**	
68	61	Lead (7421)	0.001	U	0.001	U	0.02	U	0.02	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	NA		0.001	U
69	62	Nickel (6010)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	NA		0.01	U
70	63	Zinc (6010)	0.004	U	**0.005**		0.004	U	0.004	U	0.004	U	**0.019**	J	0.004	U	**0.008**		0.006	U	0.006	U	NA		**0.018**	
71	64																									
72	65	**MAJOR IONS AND CONVENTIONALS**																								
73	66	Calcium (mg/L) (6010)	**17.6**		**16.1**		**20.9**		**13.0**		NA		NA		NA		NA		NA		**9.25**		NA		**15.7**	
74	67	Magnesium (mg/L) (6010)	**4.63**		**4.26**		**5.48**		**3.66**		NA		NA		NA		NA		NA		**2.88**		NA		**4.9**	
75	68	Potassium (mg/L) (6010)	**2.5**		**2.8**		**3.4**		**1.8**		NA		NA		NA		NA		NA		**1.8**		NA		**2.3**	
76	69	Sodium (mg/L) (6010)	**11.4**		**12.1**		**12.6**		**9.60**		NA		NA		NA		NA		NA		**7.09**		NA		**9.5**	
77	70	Alkalinity (mg/L CaCO3) (SM 2320)	**92**		**86**		**100**		**81**		NA		NA		NA		NA		NA		**53**		NA		**88**	
78	71	Carbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		1.0	U	NA		1	U
79	72	Bicarbonate (Alkalinity) (mg/L CaCO3) (SM 2320)	**92**		**86**		**100**		**81**		NA		NA		NA		NA		NA		**53**		NA		**88**	
80	73	Total Dissolved Solids (mg/L) (EPA 160.1)	NT		**140**		**160**	J2	**110**		NA		NA		**110**		**83**		**160**		**99**		NA		**120**	
81	74	Chloride (mg/L) (EPA 325.2)	**3.8**	J	**2.8**		**2.5**		**2.2**		NA		NA		**2.1**		**1.9**		**1.4**		**2.8**		NA		**3.3**	
82	75	N-Nitrate (mg-N/L) (Calculated)	0.010	U	0.010	U	**0.031**		**0.011**		NA		NA		NA		NA		NA		0.010	U	NA		**0.021**	
83	76	N-Nitrite (mg-N/L) (EPA 354.1)	0.010	U	**0.019**		0.010	U	0.010	U	NA		NA		NA		NA		NA		0.010	U	NA		0.01	U
84	77	Nitrate + Nitrite (NO2+NO3) (mg-N/L) (EPA 353.2)	0.010	U	**0.011**		**0.031**		**0.011**		NA		NA		NA		NA		NA		0.010	U	NA		**0.021**	
85	78	Sulfate (mg/L) (EPA 375.2)	**4.2**	J	**5.7**		2.5	U	**8.0**		NA		NA		NA		NA		NA		**9.3**		NA		**9.3**	
86	79																									

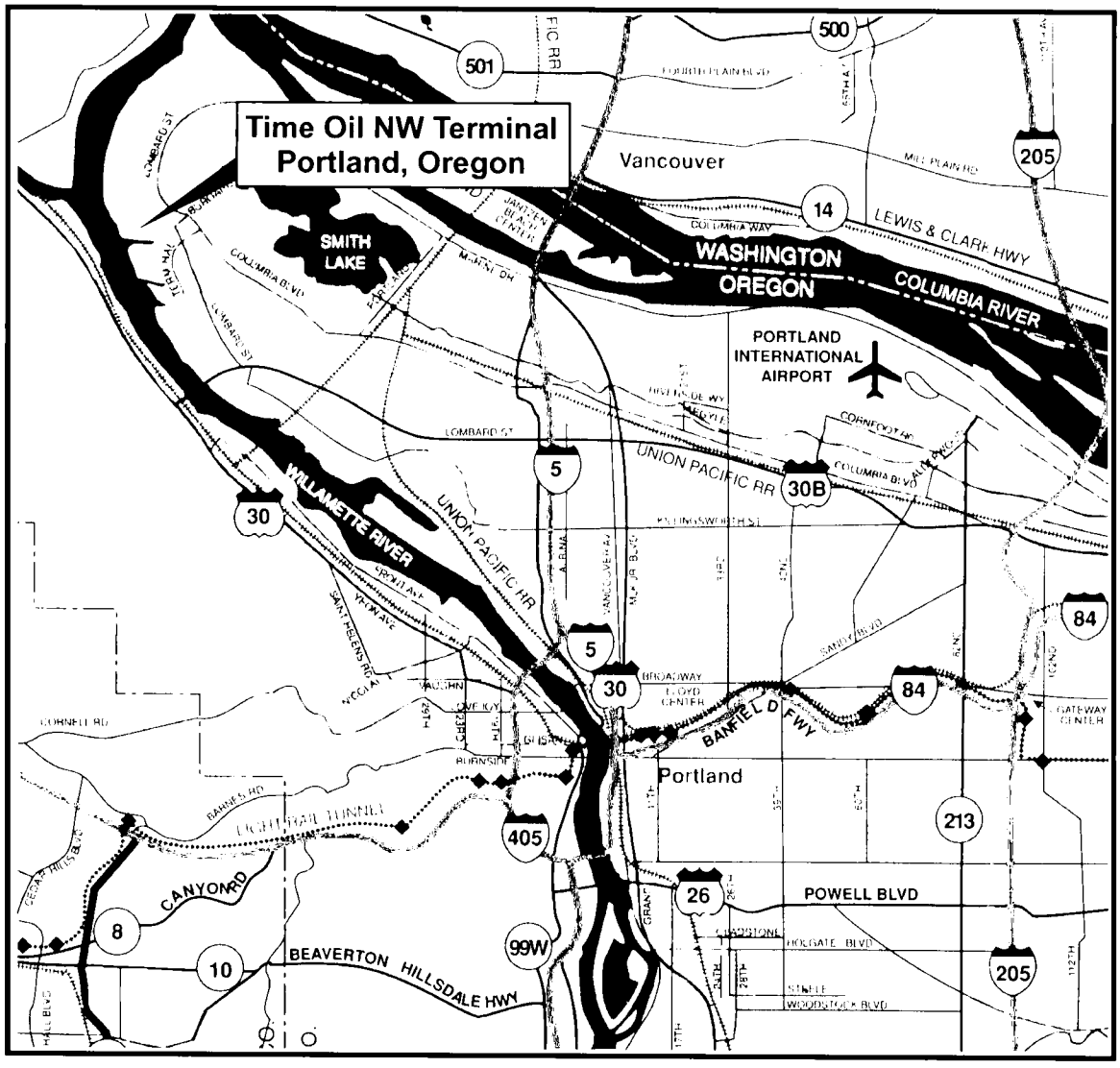
TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S	
4			S167A		T160B		U235A		V208A		W371A		Z960R		AH76K		BH75D		CT37G		ED16A		EM75A		FF48B	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
87	80	**FIELD PARAMETERS**																								
88	81	pH (avg)	6.75		6.80		6.77		6.85		6.39		7.19		6.32		6.88		6.05		6.15		5.43		7.28	
89	82	Temperature (° C) (avg)	9.7		15.1		15.9		11.9		12.1		10.7		12.4		10.5		11.4		11.1		13.8		12.3	
90	83	Conductivity (um/hos)	198		223		228		185		197		131		167		99		238		111		123		196	
91	84	Dissolved oxygen (mg/L) (avg)									1.75		1.45		1.45		2.00		1.48		5.18		4.26		1.67	
92	85																									
93	86	**DIOXINS AND FURANS (ng/L)**																								
94	87	**Method 8290**																								
95	88	2,3,7,8-TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
96	89	Total TCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
97	90	2,3,7,8-TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
98	91	Total TCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
99	92	1,2,3,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
100	93	2,3,4,7,8-PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
101	94	Total PeCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
102	95	1,2,3,7,8-PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
103	96	Total PeCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
104	97	1,2,3,4,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
105	98	1,2,3,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
106	99	2,3,4,6,7,8-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
107	100	1,2,3,7,8,9-HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
108	101	Total HxCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
109	102	1,2,3,4,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
110	103	1,2,3,6,7,8-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
111	104	1,2,3,7,8,9-HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
112	105	Total HxCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
113	106	1,2,3,4,6,7,8-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
114	107	1,2,3,4,7,8,9-HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
115	108	Total HpCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
116	109	1,2,3,4,6,7,8-HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
117	110	Total HpCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
118	111	OCDF	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
119	112	OCDD	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
120																										
121		**ETHANOL (mg/L)**	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
122																										

TABLE F-10
PHASE II REMEDIAL INVESTIGATION
GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS
DETECTED CONSTITUENTS
APRIL 1997 - AUGUST 2005
TIME OIL - NORTHWEST TERMINAL

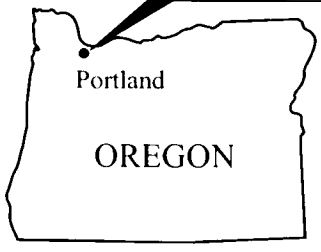
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2																										
3			LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S		LW104S	
4			S167A		T160B		U235A		V208A		W371A		Z960R		AH76K		BH75D		CT37G		ED16A		EM75A		FF48B	
5			3/31/97		7/14/97		10/21/97		1/28/98		5/18/98		2/16/99		5/19/99		2/15/00		2/13/01		2/25/02		6/25/02		2/10/03	
123		**PAHs (µg/L)**																								
124		**EPA Method SW8270 SIM**																								
125		Naphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
126		2-Methylnaphthalene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
127		Acenaphthylene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
128		Acenaphthene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
129		Fluorene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
130		Anthracene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
131		Dibenzofuran	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

N



Map from MetroAmerica 1995

SITE LOCATION
(see enlarged map area above)



0 2 4
Approximate Scale in Miles

Time Oil | T:\231\001\Vicinity Map.cdr (C) 05/10/2002

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Time Oil NW Terminal Portland, Oregon	**Vicinity Map**	Figure 1

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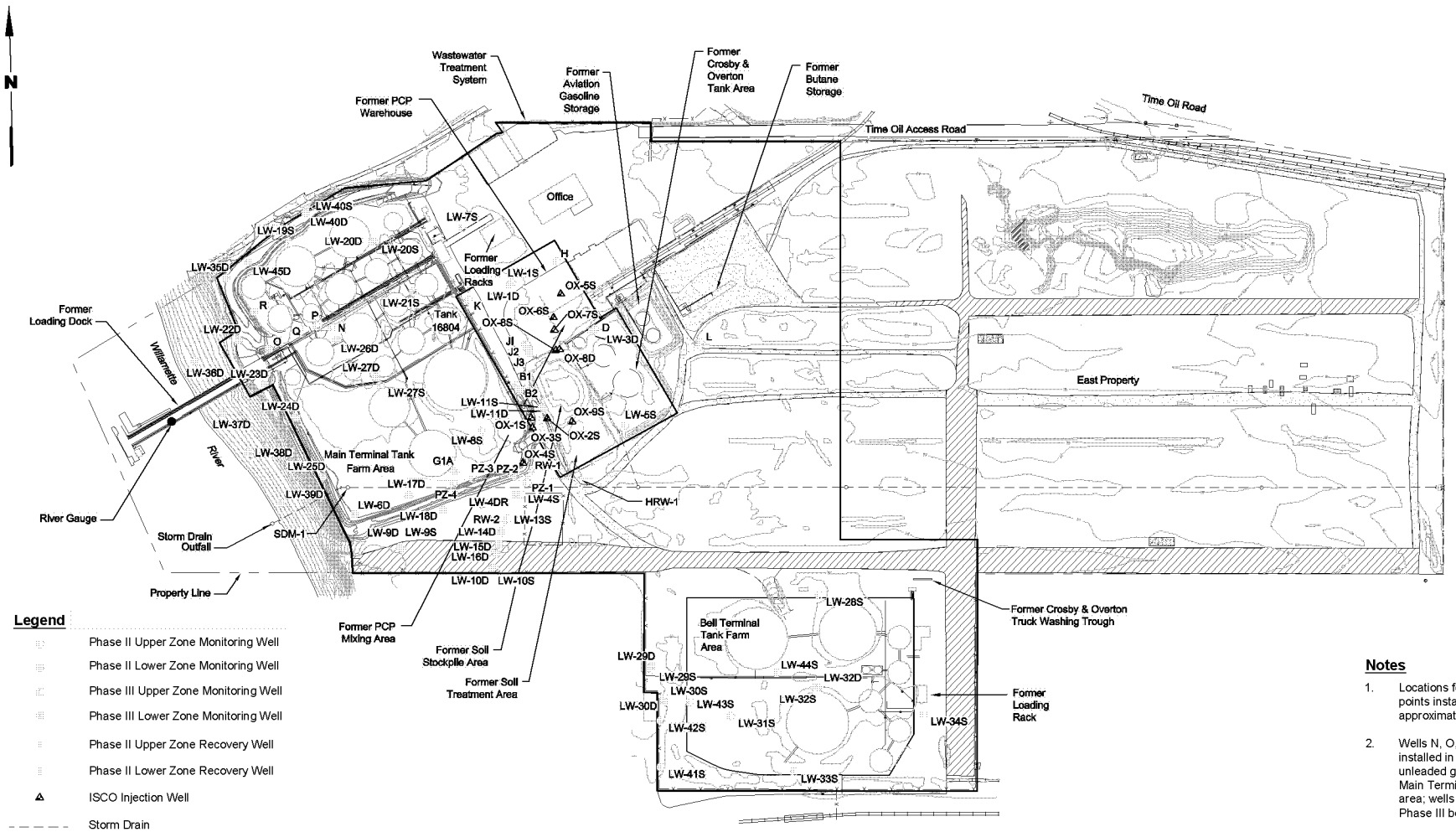

Legend

- Phase II Upper Zone Monitoring Well
- Phase II Lower Zone Monitoring Well
- Phase III Upper Zone Monitoring Well
- Phase III Lower Zone Monitoring Well
- Phase II Upper Zone Recovery Well
- Phase II Lower Zone Recovery Well
- ISCO Injection Well
- Storm Drain
- Manhole
- Asphalt
- Gravel
- HRW-1 — Horizontal Recovery Well-Upper Zone (Dashes Denote Screened Interval)

Notes

1. Locations for some wells/well points installed pre-1996 are approximate.
2. Wells N, O, R, P, and Q were installed in 1994 following an unleaded gasoline spill in the Main Terminal tank farm area; wells are designated as Phase III because of location.
3. Black and white reproduction of this color original may reduce its effectivness and lead to incorrect interpretation.

0 200 400
Scale in Feet

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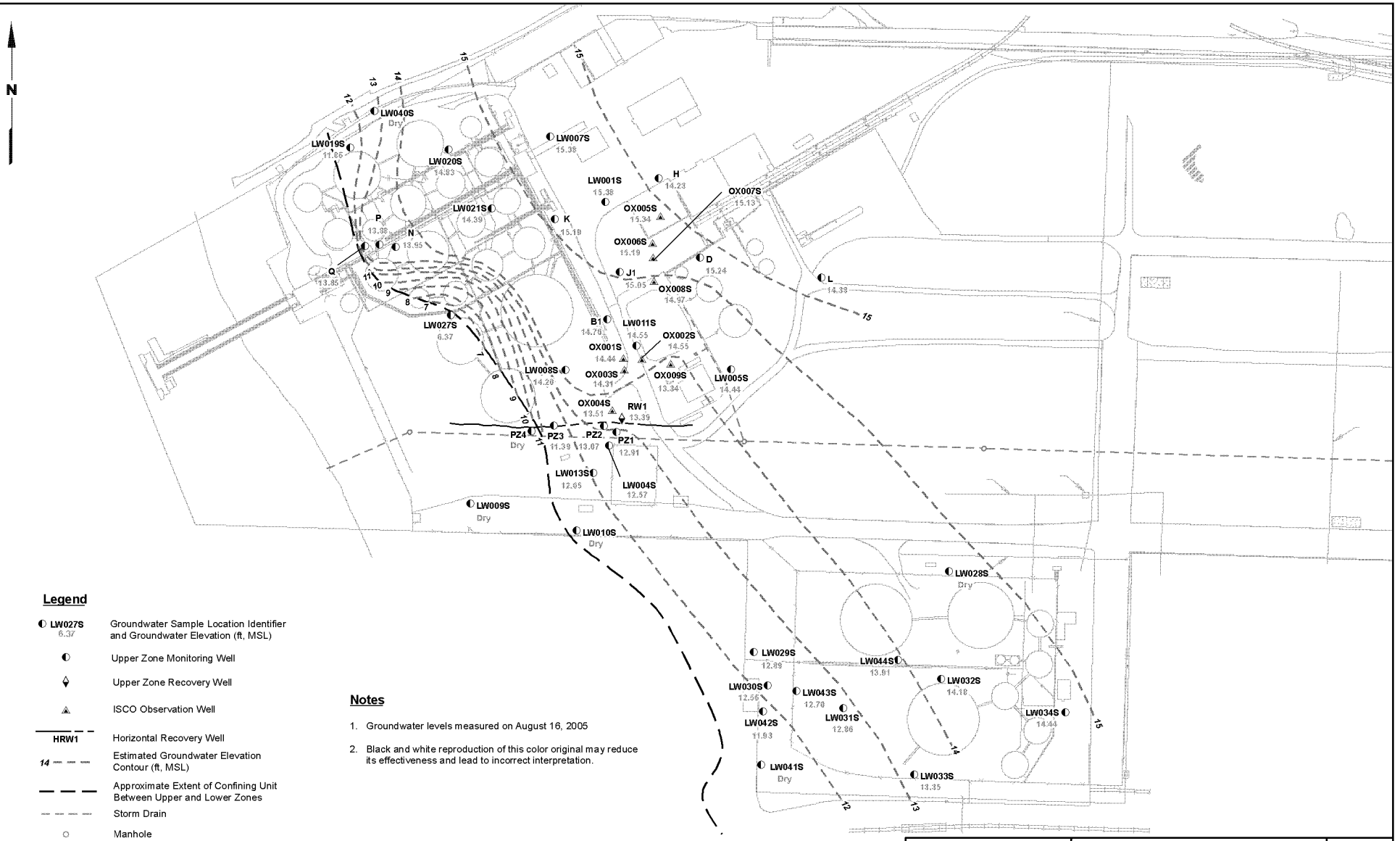
Time Oil NW Terminal Portland, Oregon	**Well Locations**	Figure 2

Time Oil NW Terminal | V:\231\001\235\3Q05\Report\Fig2.dwg (A) "Figure 2" 1/27/2006

BZTO104(e)028092



Legend

LW027S 6.37	Groundwater Sample Location Identifier and Groundwater Elevation (ft, MSL)
	Upper Zone Monitoring Well
	Upper Zone Recovery Well
	ISCO Observation Well
HRW1	Horizontal Recovery Well
14	Estimated Groundwater Elevation Contour (ft, MSL)
	Approximate Extent of Confining Unit Between Upper and Lower Zones
	Storm Drain
	Manhole

Notes

1. Groundwater levels measured on August 16, 2005
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 150 300
Scale in Feet

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Time Oil NW Terminal
Portland, Oregon

Groundwater Elevation Contours Upper Zone, August 2005

Figure 3

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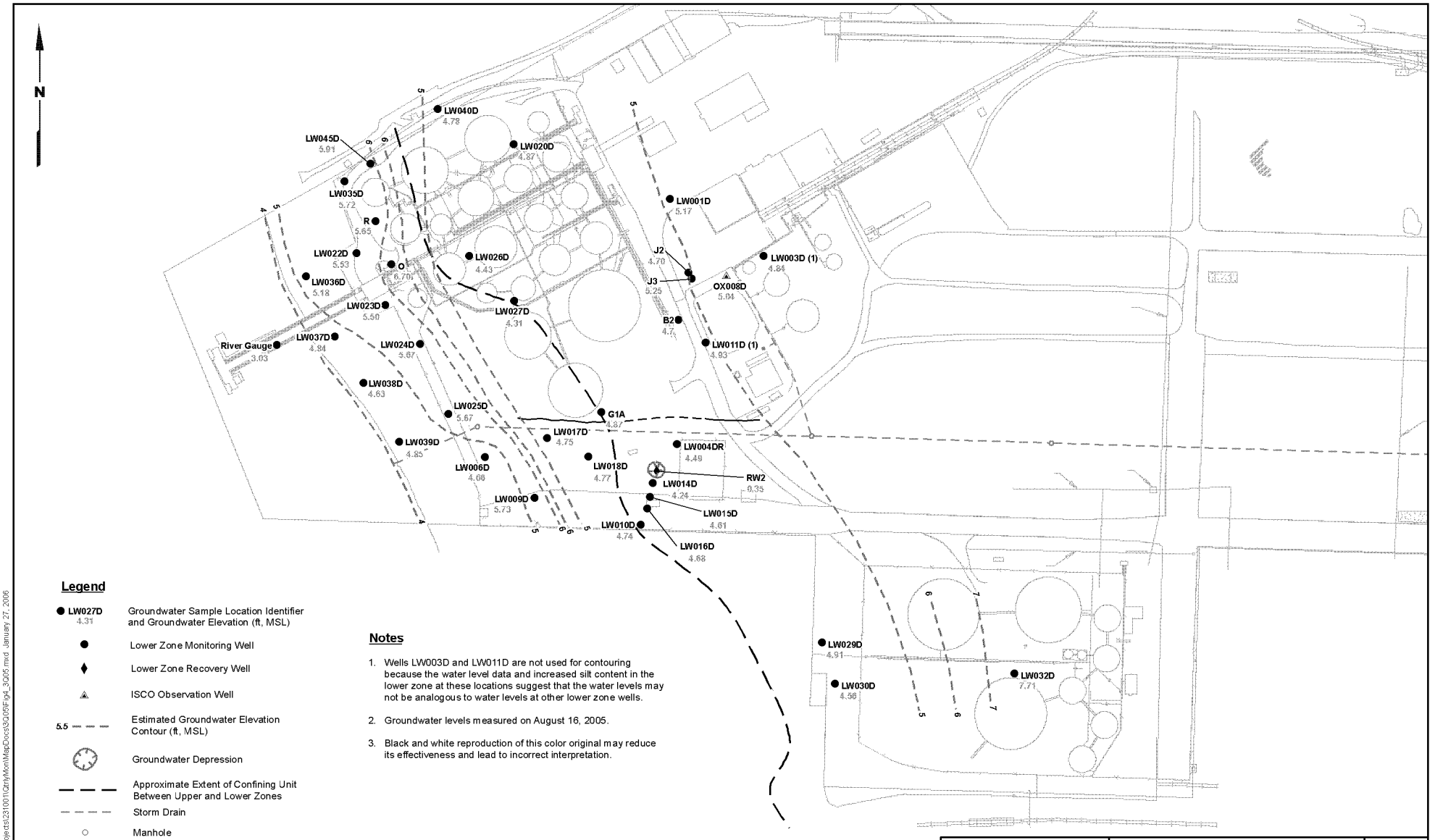

Legend

- **LW027D** 4.31 — Groundwater Sample Location Identifier and Groundwater Elevation (ft, MSL)
- Lower Zone Monitoring Well
- Lower Zone Recovery Well
- ISCO Observation Well
- 5.5 — Estimated Groundwater Elevation Contour (ft, MSL)
- Groundwater Depression
- Approximate Extent of Confining Unit Between Upper and Lower Zones
- Storm Drain
- Manhole

Notes

1. Wells LW003D and LW011D are not used for contouring because the water level data and increased silt content in the lower zone at these locations suggest that the water levels may not be analogous to water levels at other lower zone wells.
2. Groundwater levels measured on August 16, 2005.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 150 300
Scale in Feet

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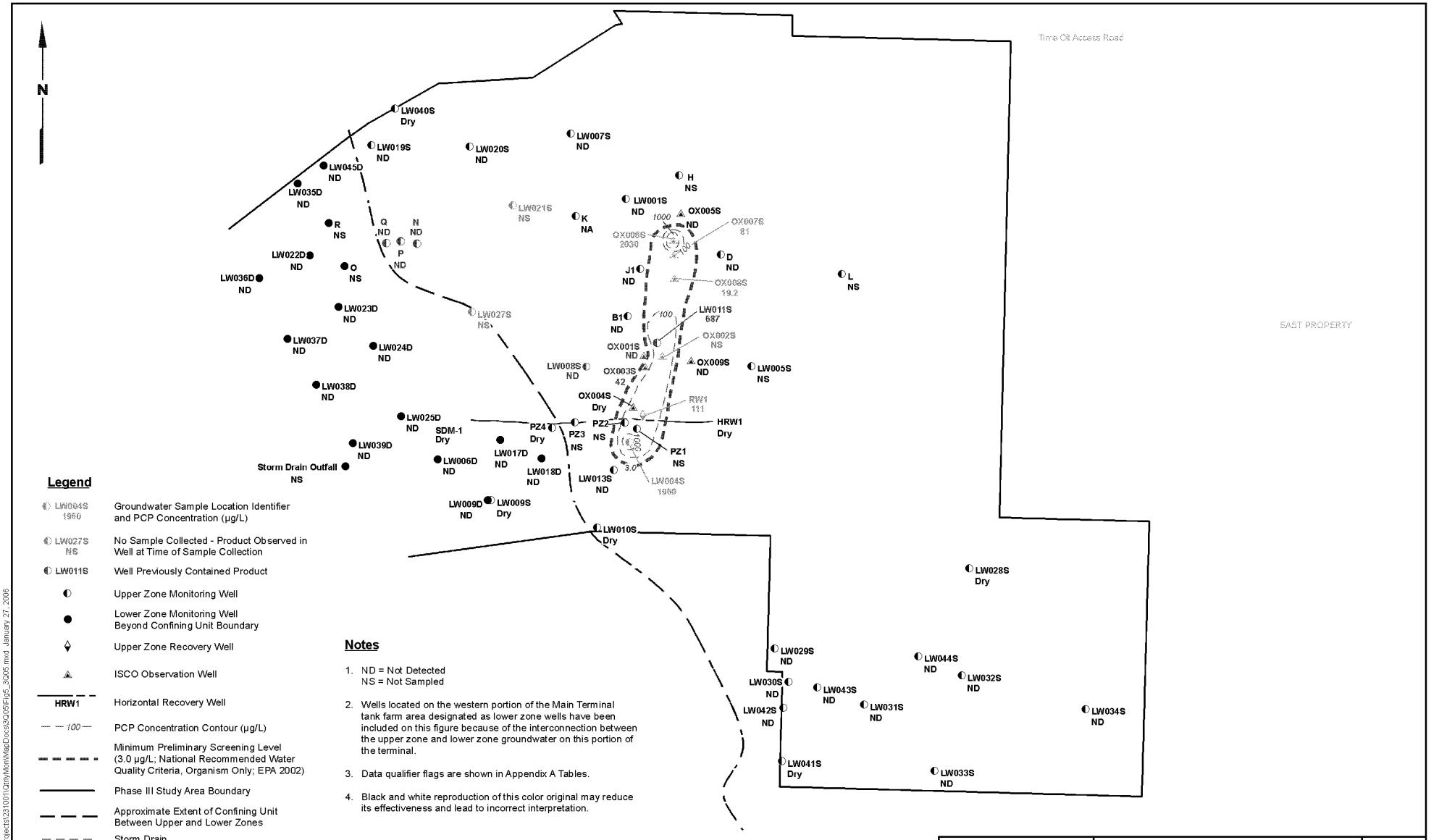
Time Oil NW Terminal Portland, Oregon	**Groundwater Elevation Contours Lower Zone, August 2005**	Figure **4**

BZTO104(e)028094



Legend

LW004S 1960	Groundwater Sample Location Identifier and PCP Concentration (µg/L)
LW027S NS	No Sample Collected - Product Observed in Well at Time of Sample Collection
LW011S	Well Previously Contained Product
	Upper Zone Monitoring Well
	Lower Zone Monitoring Well Beyond Confining Unit Boundary
	Upper Zone Recovery Well
	ISCO Observation Well
HRW1	Horizontal Recovery Well
100	PCP Concentration Contour (µg/L)
	Minimum Preliminary Screening Level (3.0 µg/L; National Recommended Water Quality Criteria, Organism Only; EPA 2002)
	Phase III Study Area Boundary
	Approximate Extent of Confining Unit Between Upper and Lower Zones
	Storm Drain
	Manhole

Notes

1. ND = Not Detected
   NS = Not Sampled
2. Wells located on the western portion of the Main Terminal tank farm area designated as lower zone wells have been included on this figure because of the interconnection between the upper zone and lower zone groundwater on this portion of the terminal.
3. Data qualifier flags are shown in Appendix A Tables.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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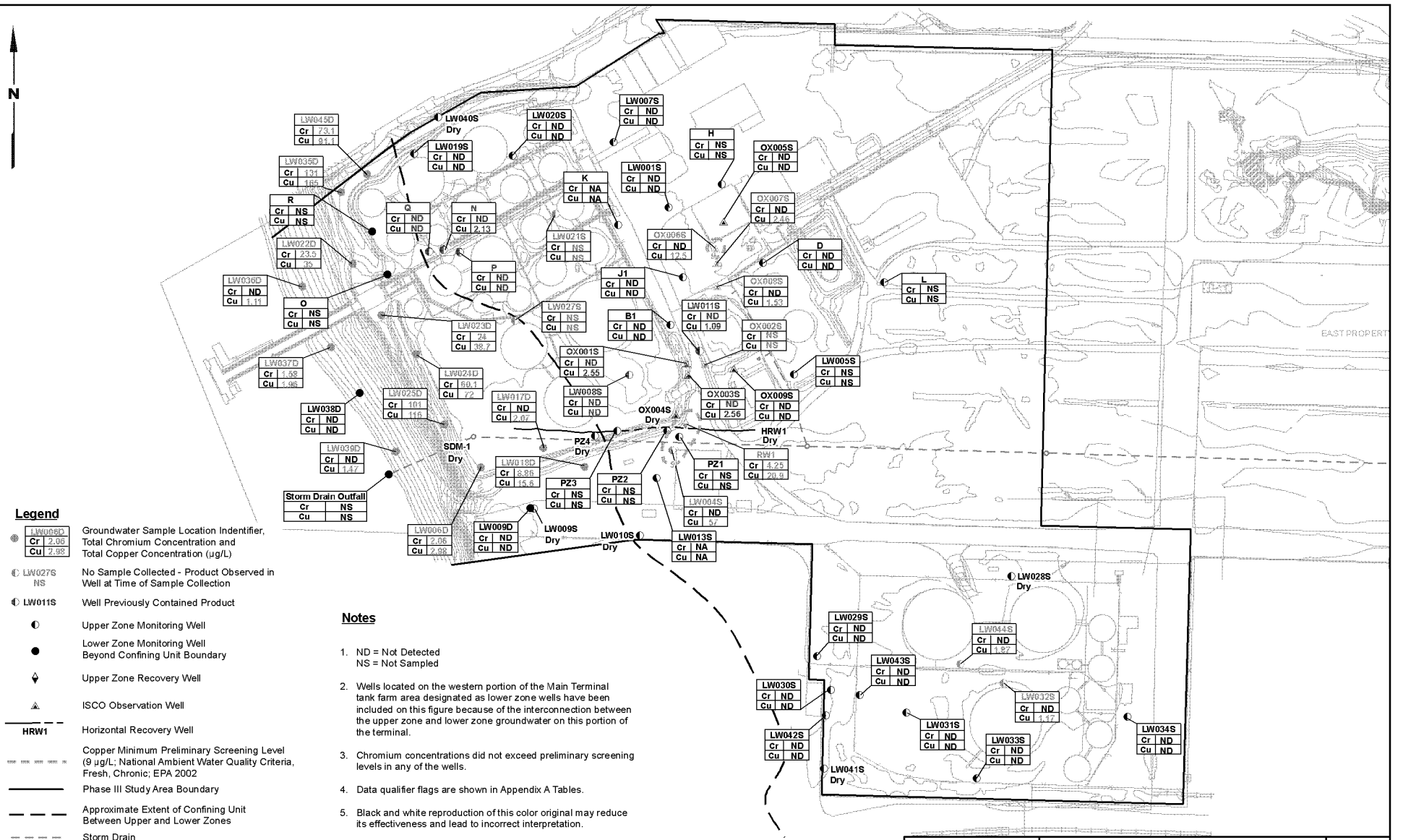
Time Oil NW Terminal Portland, Oregon	**PCP Concentrations in GW, Upper Zone and Beyond Confining Unit Boundary - August 2005**	Figure 5

BZTO104(e)028095



Legend

- LW006D Cr 2.06 Cu 2.98 — Groundwater Sample Location Indentifier, Total Chromium Concentration and Total Copper Concentration (µg/L)
- LW027S NS — No Sample Collected - Product Observed in Well at Time of Sample Collection
- LW011S — Well Previously Contained Product
- Upper Zone Monitoring Well
- Lower Zone Monitoring Well Beyond Confining Unit Boundary
- Upper Zone Recovery Well
- ISCO Observation Well
- HRW1 — Horizontal Recovery Well
- Copper Minimum Preliminary Screening Level (9 µg/L; National Ambient Water Quality Criteria, Fresh, Chronic; EPA 2002
- Phase III Study Area Boundary
- Approximate Extent of Confining Unit Between Upper and Lower Zones
- Storm Drain
- Manhole

Notes

1. ND = Not Detected
   NS = Not Sampled
2. Wells located on the western portion of the Main Terminal tank farm area designated as lower zone wells have been included on this figure because of the interconnection between the upper zone and lower zone groundwater on this portion of the terminal.
3. Chromium concentrations did not exceed preliminary screening levels in any of the wells.
4. Data qualifier flags are shown in Appendix A Tables.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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Time Oil NW Terminal
Portland, Oregon

Total Chromium and Copper in GW, Upper Zone and Beyond Confining Unit Boundary - August 2005

Figure 6

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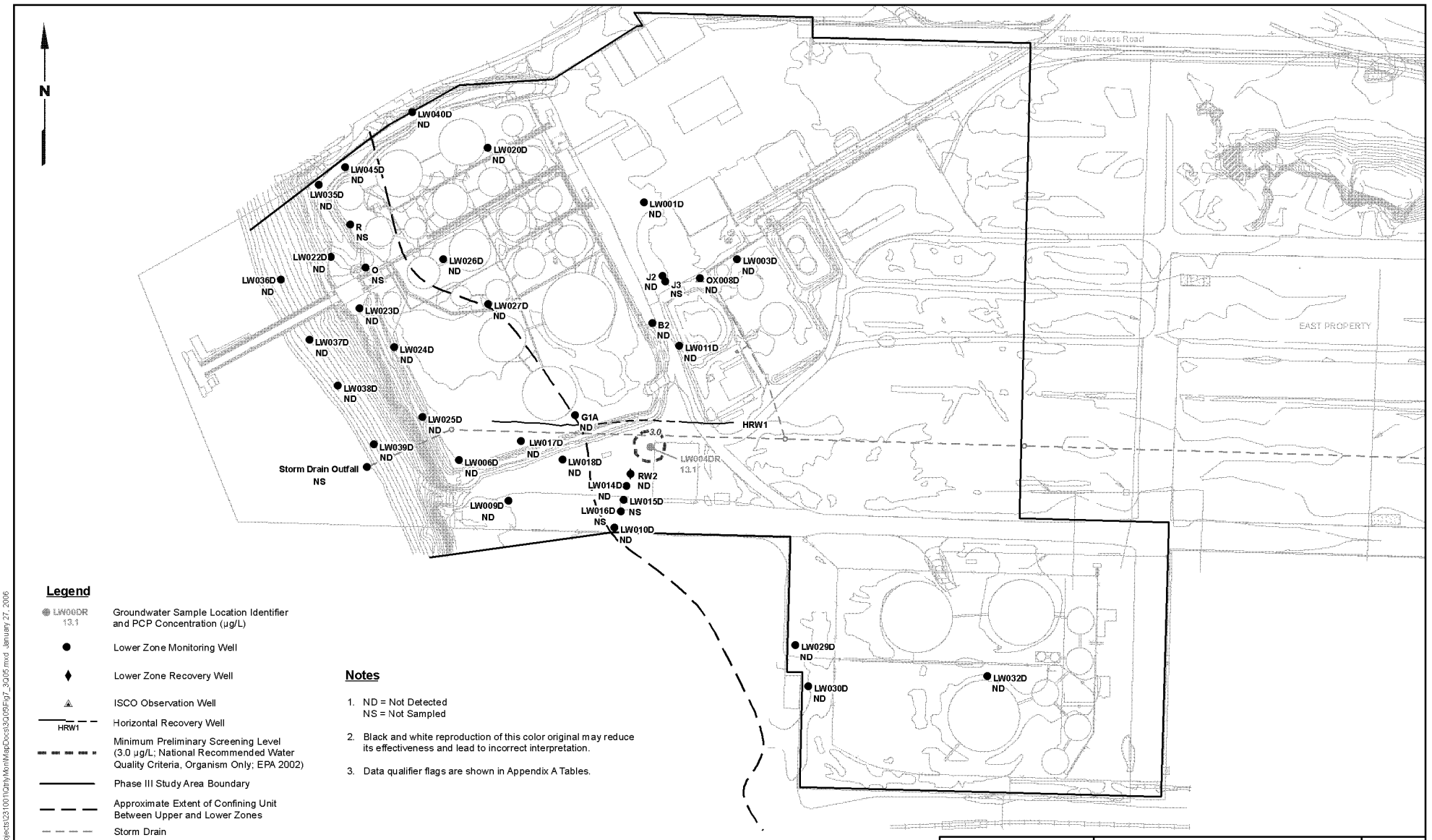
BZTO104(e)028096

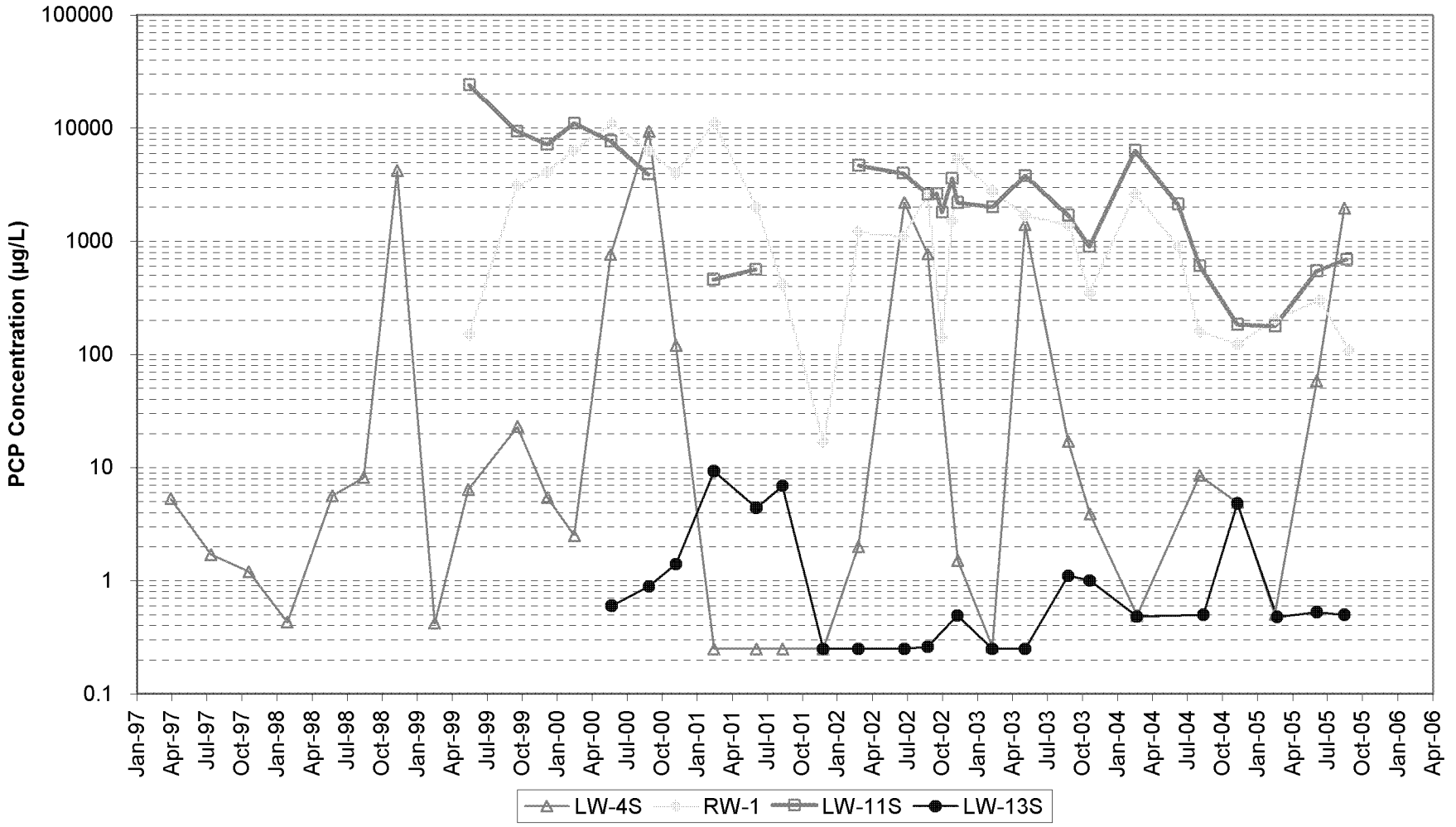


Time Oil NW Terminal
Portland, Oregon

PCP Concentrations in Groundwater, Lower Zone August 2005

Figure 7

BZTO104(e)028097

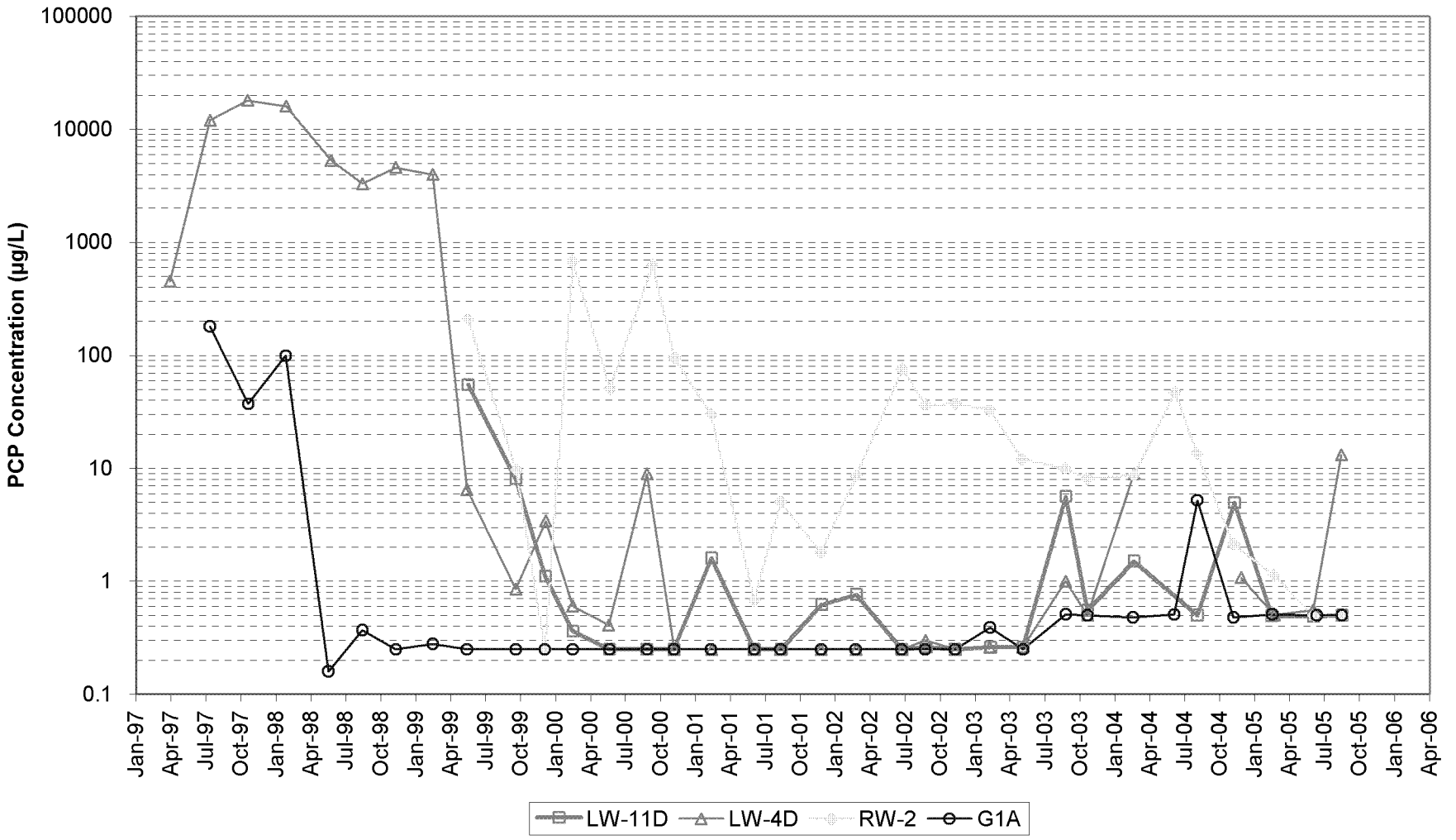


Nondetect values are plotted at the laboratory reporting limit value.

LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**PCP Concentrations, Selected Upper Zone Wells April 1997 – August 2005**	Figure 8

BZTO104(e)028098

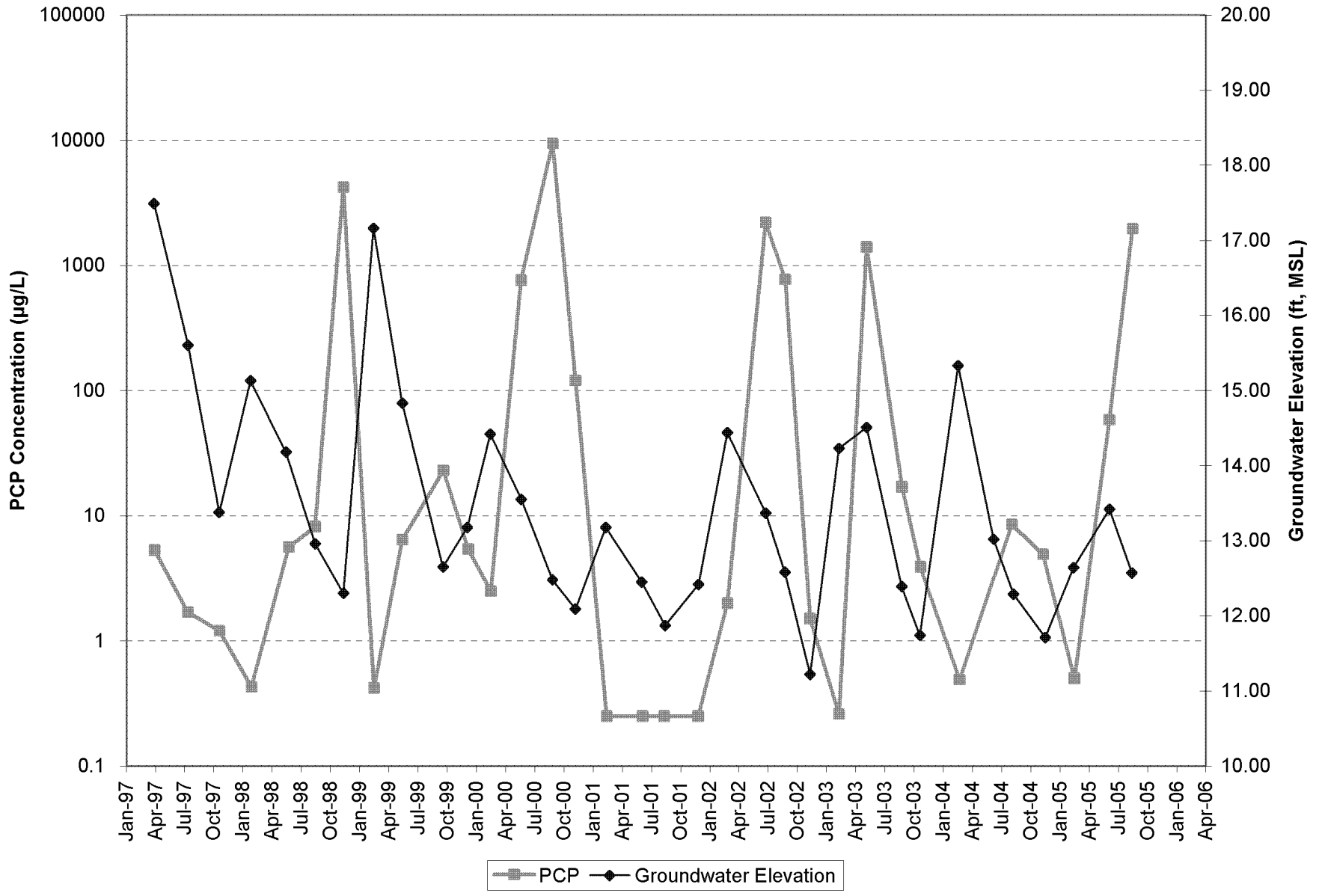


Note: LW-4DR was installed 11/19/04 to replace the damaged LW-4D. Nondetect values are plotted at the laboratory reporting limit value.

LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**PCP Concentrations, Selected Lower Zone Wells April 1997 – August 2005**	Figure 9

Source: S:\SHEETS\timeoil\ph2ri\PLOTS2004-2005 LW4S PCP-WL



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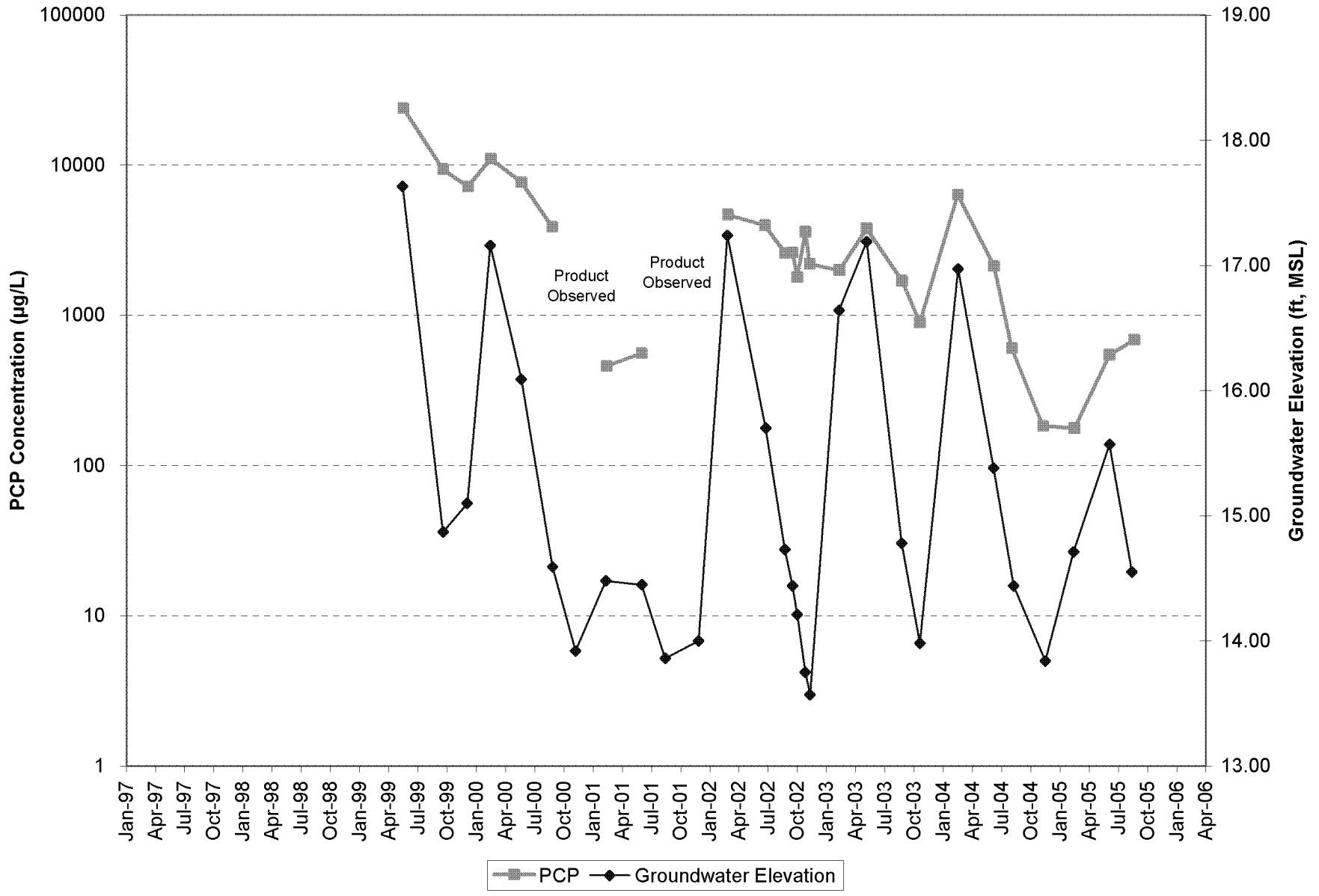
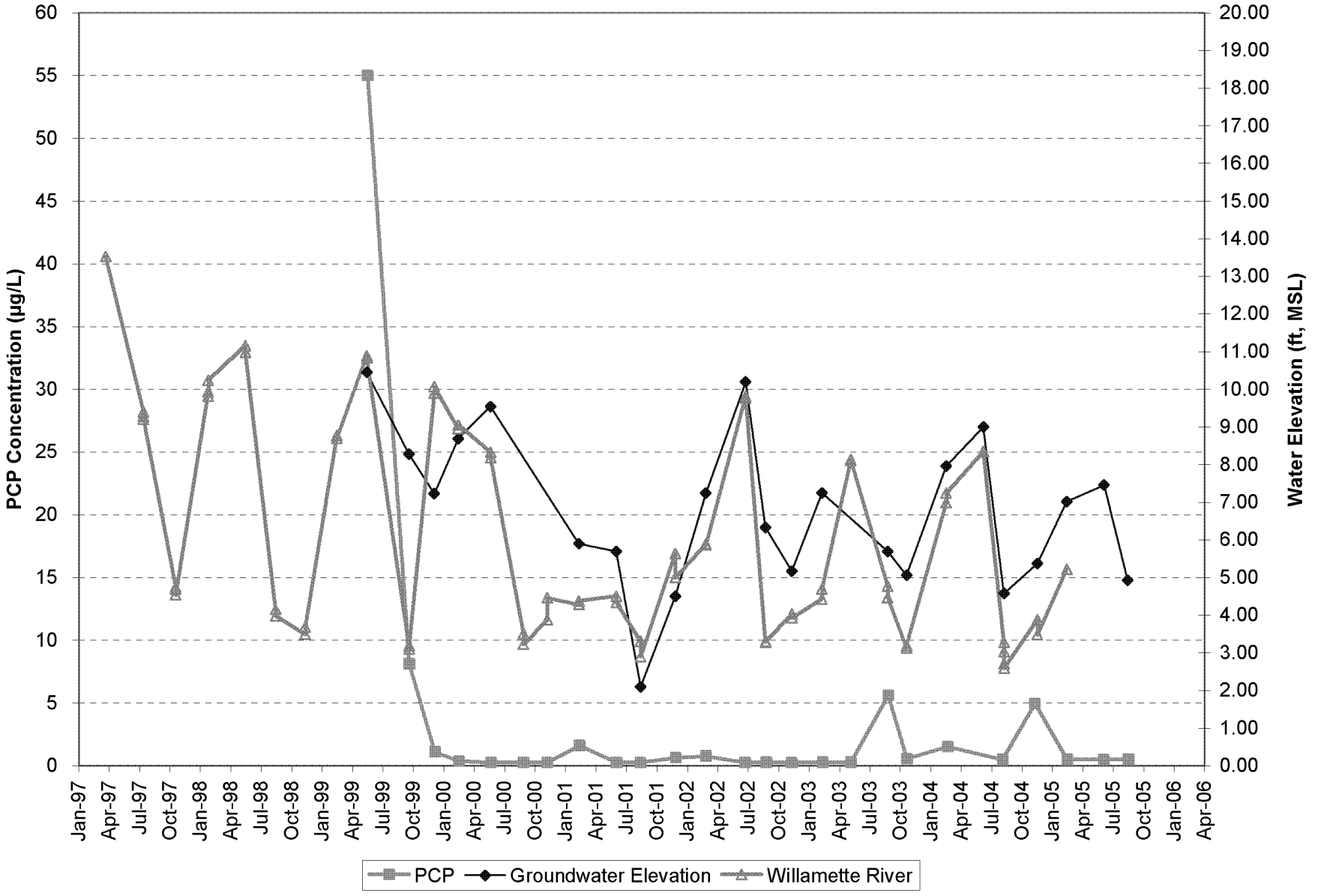
Time Oil NW Terminal Portland, Oregon	**PCP Concentrations and Groundwater Elevations, LW-4S April 1997 – August 2005**	Figure 10

BZTO104(e)028100



LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**PCP Concentrations and Groundwater Elevations, LW-11S April 1997 – August 2005**	Figure 11



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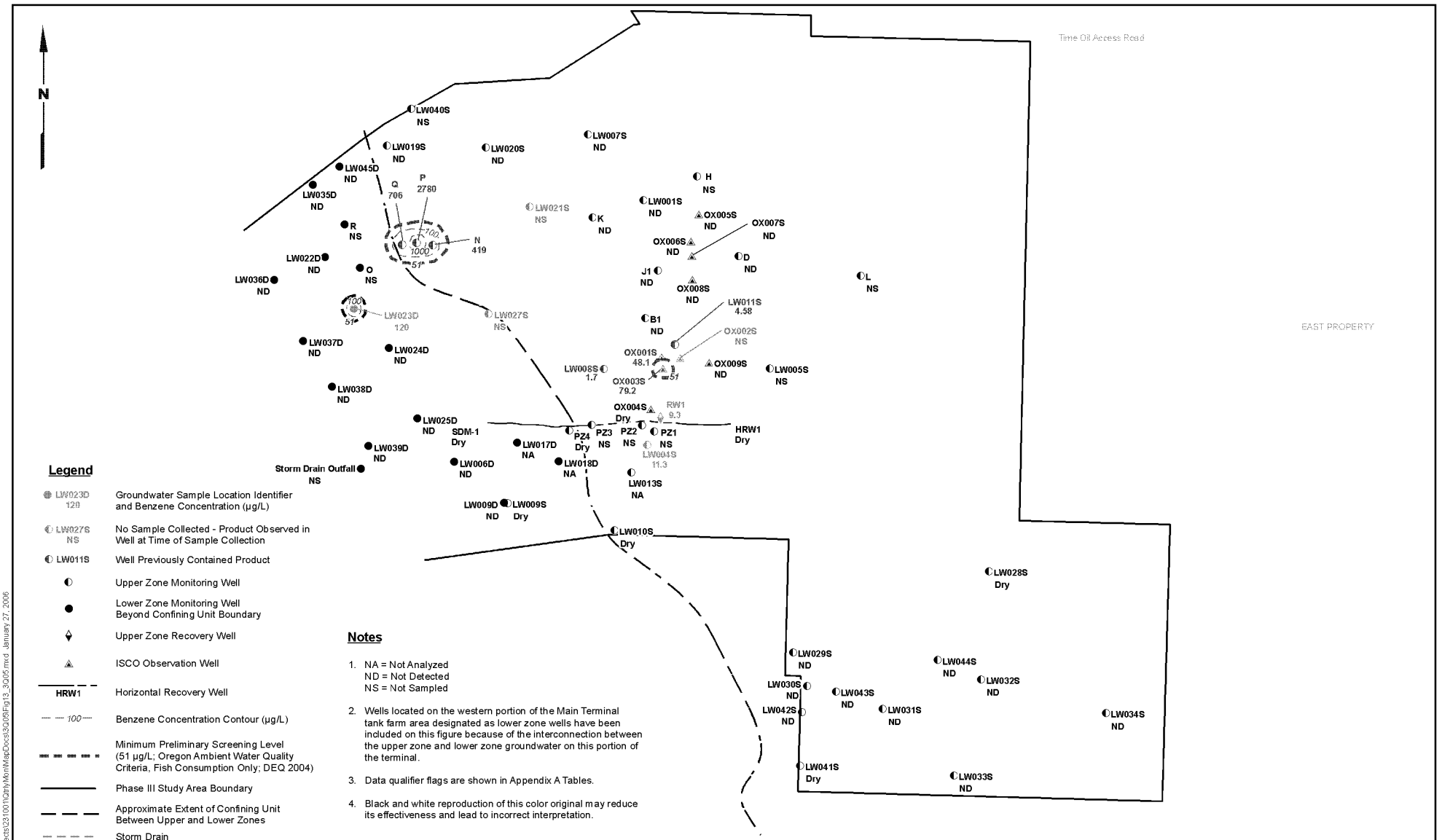
Time Oil NW Terminal
Portland, Oregon

PCP Concentrations, Groundwater Elevations, and River Stage, LW-11D
April 1997 – August 2005

Figure
12



Legend

LW023D 120	Groundwater Sample Location Identifier and Benzene Concentration (µg/L)
LW027S NS	No Sample Collected - Product Observed in Well at Time of Sample Collection
LW011S	Well Previously Contained Product
	Upper Zone Monitoring Well
	Lower Zone Monitoring Well Beyond Confining Unit Boundary
	Upper Zone Recovery Well
	ISCO Observation Well
HRW1	Horizontal Recovery Well
100	Benzene Concentration Contour (µg/L)
	Minimum Preliminary Screening Level (51 µg/L; Oregon Ambient Water Quality Criteria, Fish Consumption Only; DEQ 2004)
	Phase III Study Area Boundary
	Approximate Extent of Confining Unit Between Upper and Lower Zones
	Storm Drain
	Manhole

Notes

1. NA = Not Analyzed
   ND = Not Detected
   NS = Not Sampled
2. Wells located on the western portion of the Main Terminal tank farm area designated as lower zone wells have been included on this figure because of the interconnection between the upper zone and lower zone groundwater on this portion of the terminal.
3. Data qualifier flags are shown in Appendix A Tables.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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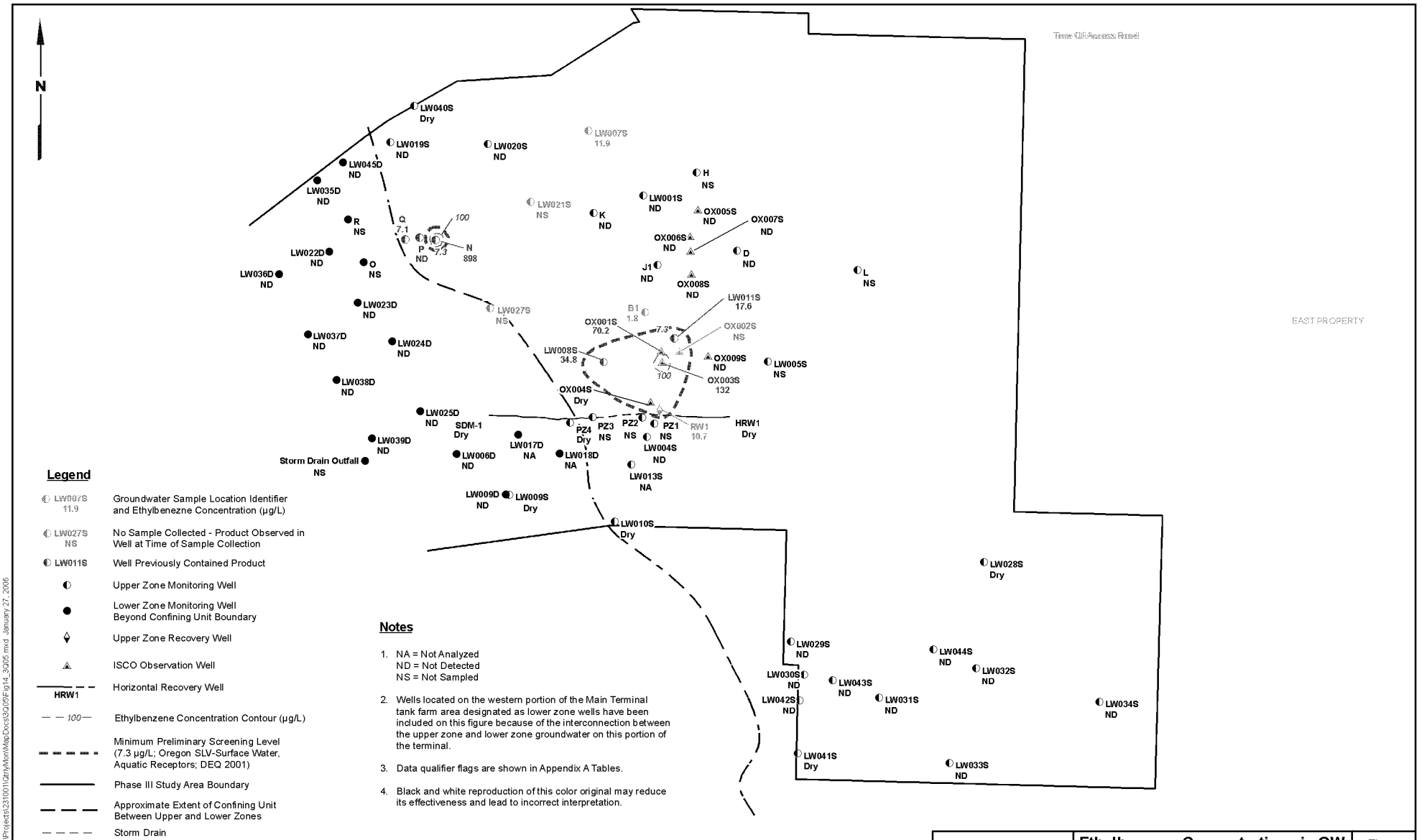
LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**Benzene Concentrations in GW, Upper Zone and Beyond Confining Unit Boundary - August 2005**	Figure 13

BZTO104(e)028103



Legend

LW007S 11.9	Groundwater Sample Location Identifier and Ethylbenezne Concentration (µg/L)
LW027S NS	No Sample Collected - Product Observed in Well at Time of Sample Collection
LW011S	Well Previously Contained Product
	Upper Zone Monitoring Well
	Lower Zone Monitoring Well Beyond Confining Unit Boundary
	Upper Zone Recovery Well
	ISCO Observation Well
HRW1	Horizontal Recovery Well
100	Ethylbenzene Concentration Contour (µg/L)
	Minimum Preliminary Screening Level (7.3 µg/L; Oregon SLV-Surface Water, Aquatic Receptors; DEQ 2001)
	Phase III Study Area Boundary
	Approximate Extent of Confining Unit Between Upper and Lower Zones
	Storm Drain
	Manhole

Notes

1. NA = Not Analyzed
   ND = Not Detected
   NS = Not Sampled
2. Wells located on the western portion of the Main Terminal tank farm area designated as lower zone wells have been included on this figure because of the interconnection between the upper zone and lower zone groundwater on this portion of the terminal.
3. Data qualifier flags are shown in Appendix A Tables.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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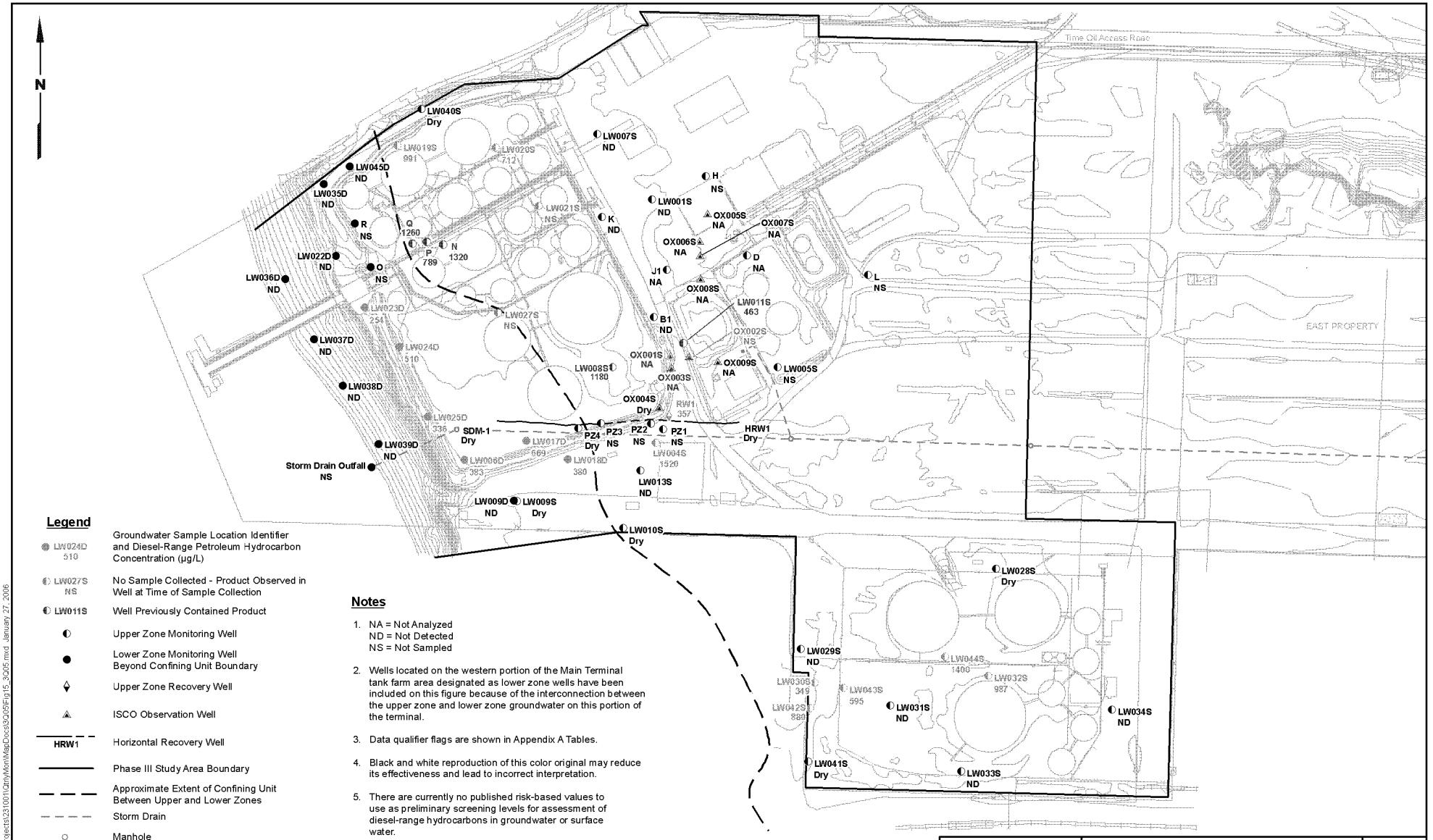
Time Oil NW Terminal
Portland, Oregon

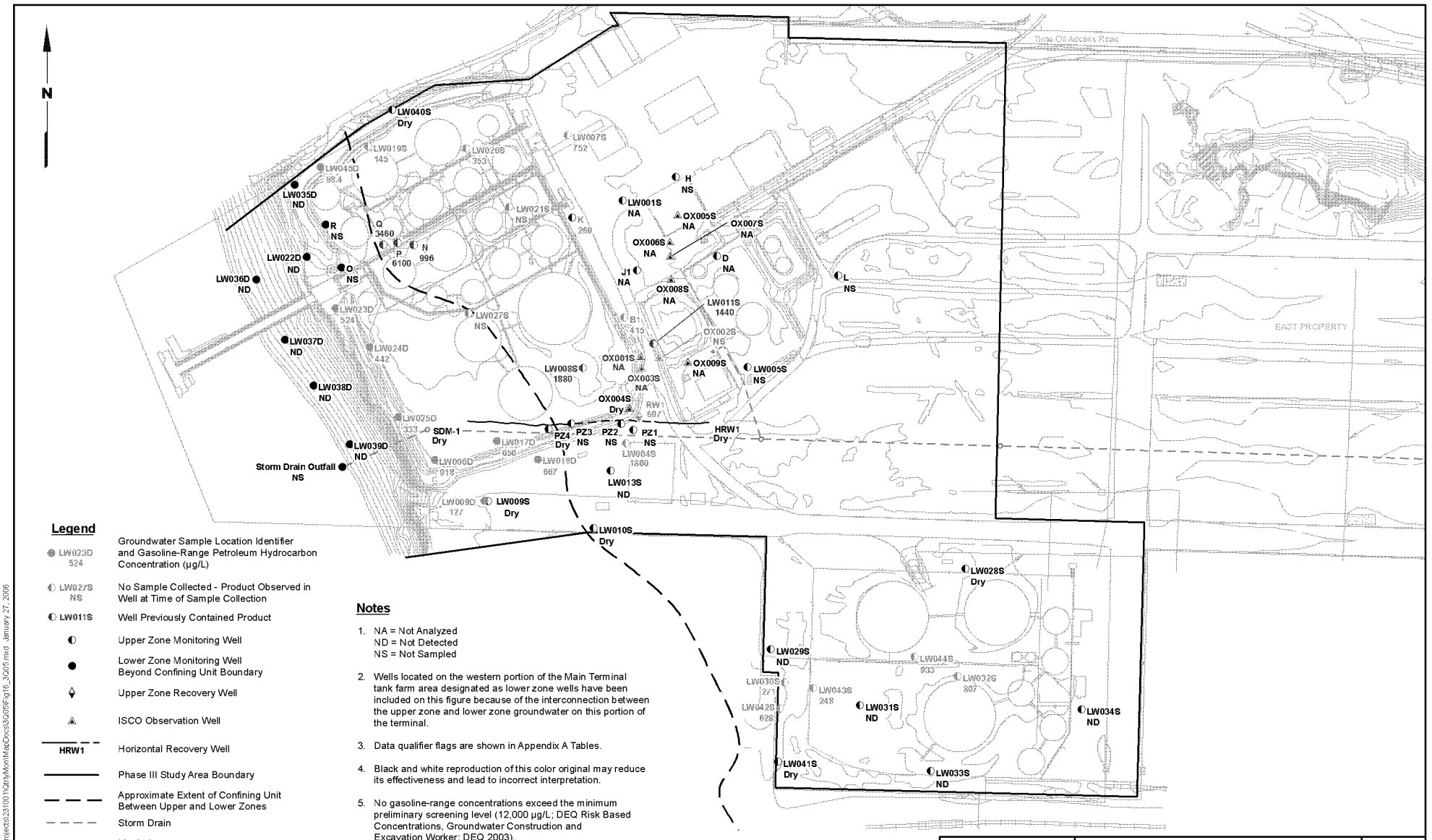
Ethylbenzene Concentrations in GW, Upper Zone and Beyond Confining Unit Boundary - August 2005

Figure 14

BZTO104(e)028104



BZTO104(e)028105



Legend

LW023D 524	Groundwater Sample Location Identifier and Gasoline-Range Petroleum Hydrocarbon Concentration (µg/L)
LW027S NS	No Sample Collected - Product Observed in Well at Time of Sample Collection
LW011S	Well Previously Contained Product
	Upper Zone Monitoring Well
	Lower Zone Monitoring Well Beyond Confining Unit Boundary
	Upper Zone Recovery Well
	ISCO Observation Well
HRW1	Horizontal Recovery Well
	Phase III Study Area Boundary
	Approximate Extent of Confining Unit Between Upper and Lower Zones
	Storm Drain
	Manhole

Notes

1. NA = Not Analyzed
   ND = Not Detected
   NS = Not Sampled
2. Wells located on the western portion of the Main Terminal tank farm area designated as lower zone wells have been included on this figure because of the interconnection between the upper zone and lower zone groundwater on this portion of the terminal.
3. Data qualifier flags are shown in Appendix A Tables.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.
5. No gasoline-range concentrations exceed the minimum preliminary screening level (12,000 µg/L; DEQ Risk Based Concentrations, Groundwater Construction and Excavation Worker; DEQ 2003).

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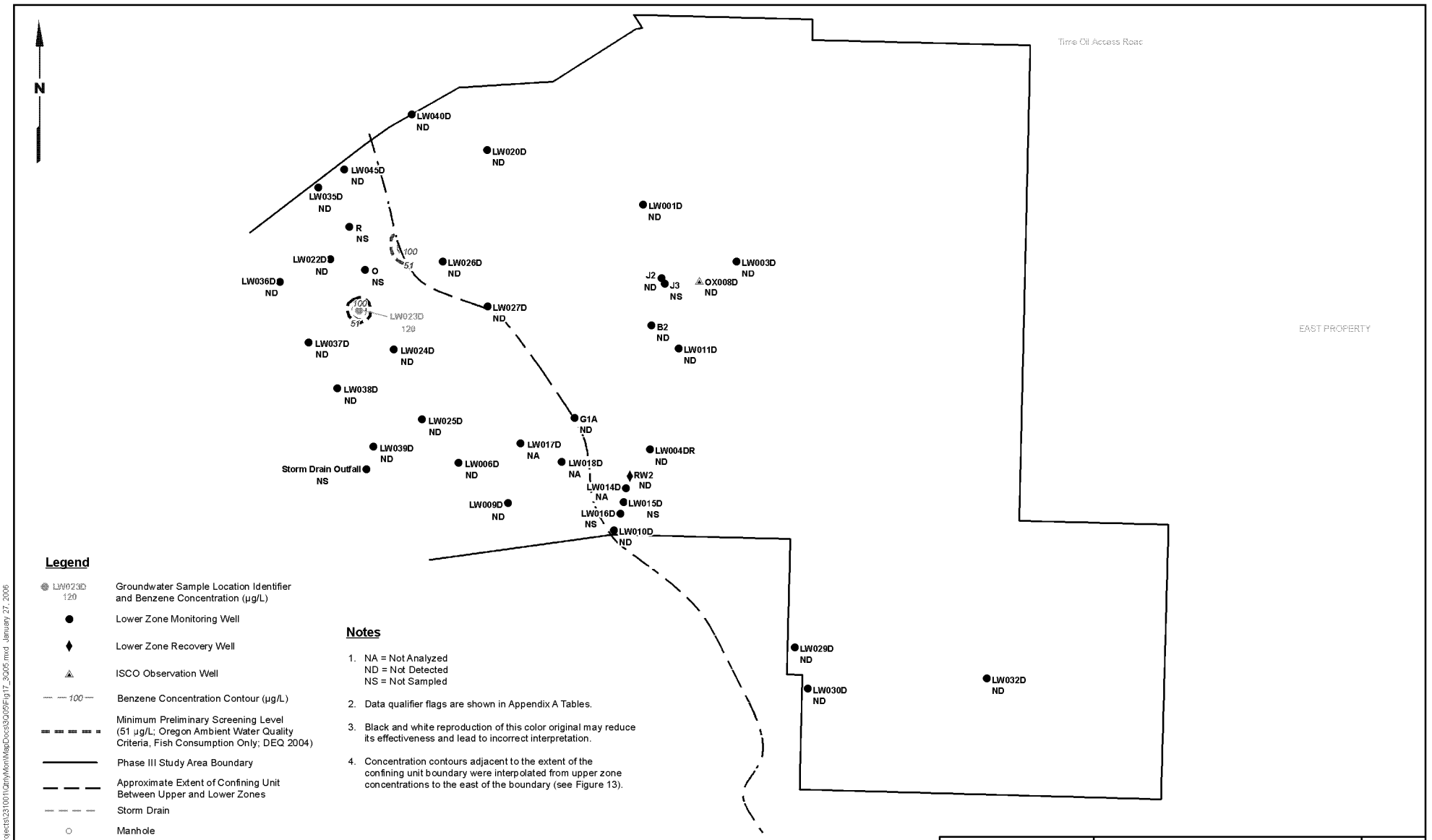
Time Oil NW Terminal
Portland, Oregon

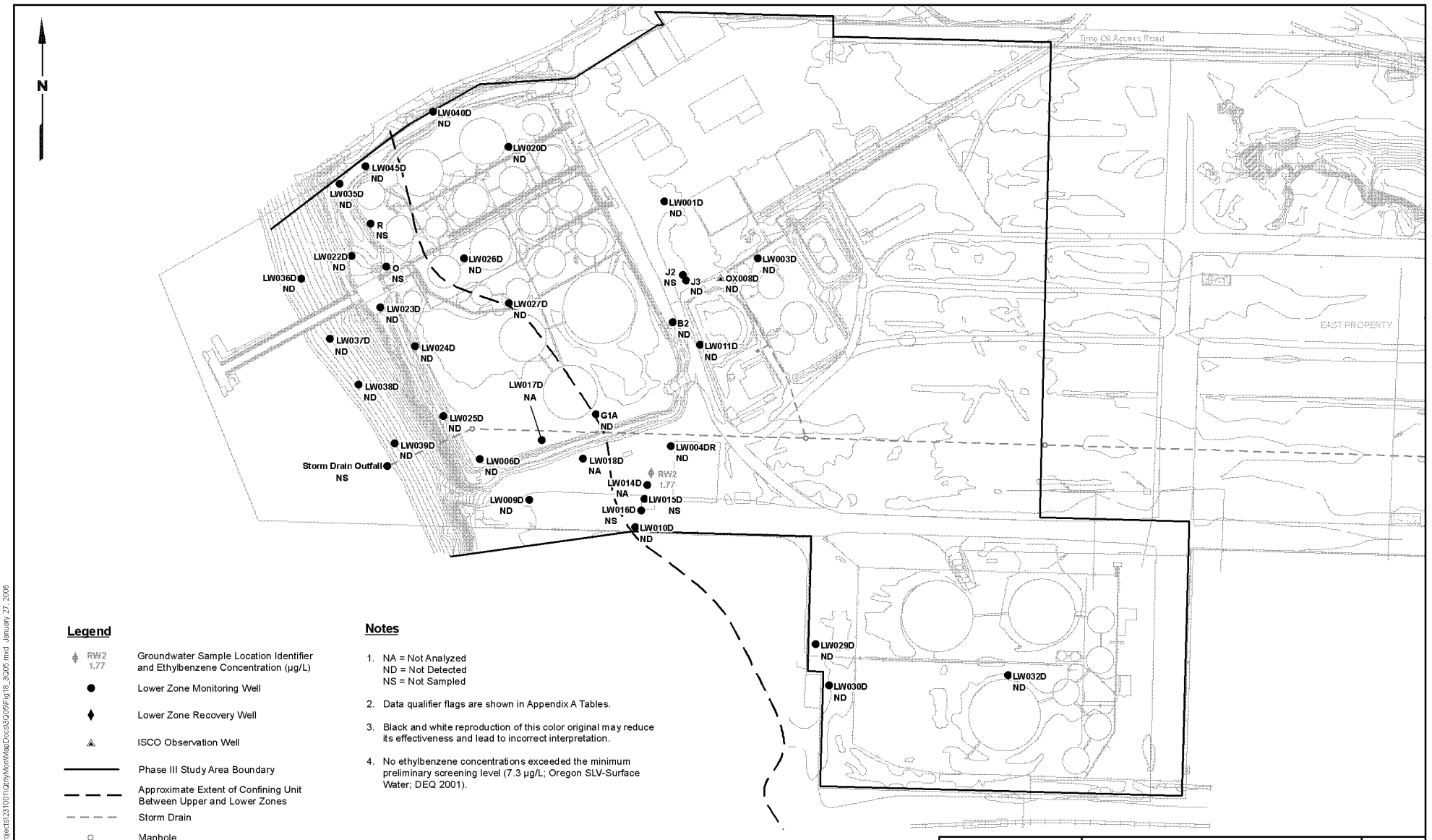
Gasoline-Range Hydrocarbons in GW, Upper Zone and Beyond Confining Unit Boundary - August 2005

Figure 16

BZTO104(e)028106



BZTO104(e)028107



Legend

- RW2 1.77 — Groundwater Sample Location Identifier and Ethylbenzene Concentration (µg/L)
- Lower Zone Monitoring Well
- Lower Zone Recovery Well
- ISCO Observation Well
- Phase III Study Area Boundary
- Approximate Extent of Confining Unit Between Upper and Lower Zones
- Storm Drain
- Manhole

Notes

1. NA = Not Analyzed
   ND = Not Detected
   NS = Not Sampled
2. Data qualifier flags are shown in Appendix A Tables.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.
4. No ethylbenzene concentrations exceeded the minimum preliminary screening level (7.3 µg/L; Oregon SLV-Surface Water; DEQ 2001).

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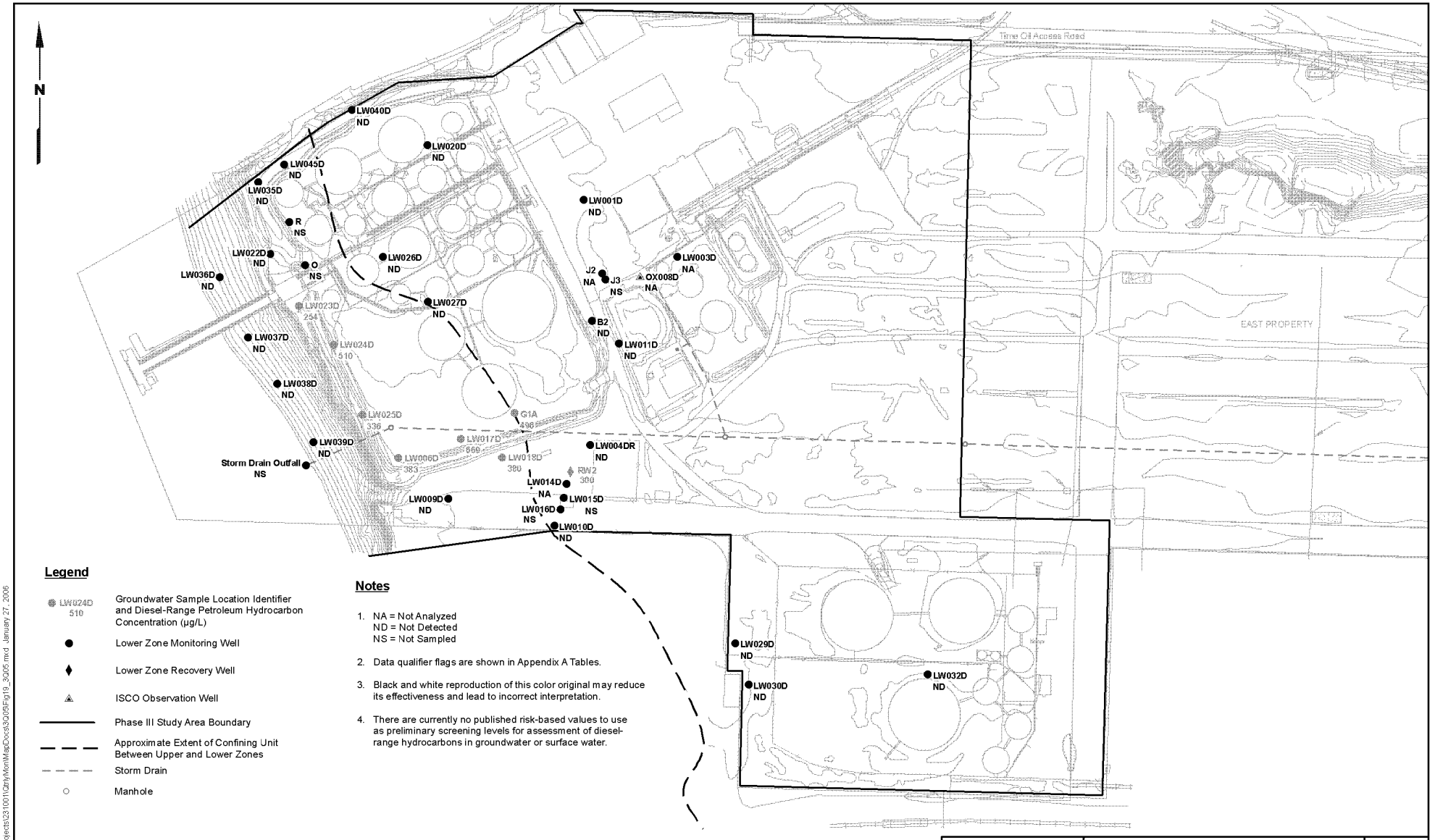
Time Oil NW Terminal
Portland, Oregon

Ethylbenzene Concentrations in Groundwater, Lower Zone August 2005

Figure 18

BZTO104(e)028108



Legend

- LW024D 510 — Groundwater Sample Location Identifier and Diesel-Range Petroleum Hydrocarbon Concentration (µg/L)
- Lower Zone Monitoring Well
- Lower Zone Recovery Well
- ISCO Observation Well
- Phase III Study Area Boundary
- Approximate Extent of Confining Unit Between Upper and Lower Zones
- Storm Drain
- Manhole

Notes

1. NA = Not Analyzed
   ND = Not Detected
   NS = Not Sampled
2. Data qualifier flags are shown in Appendix A Tables.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.
4. There are currently no published risk-based values to use as preliminary screening levels for assessment of diesel-range hydrocarbons in groundwater or surface water.

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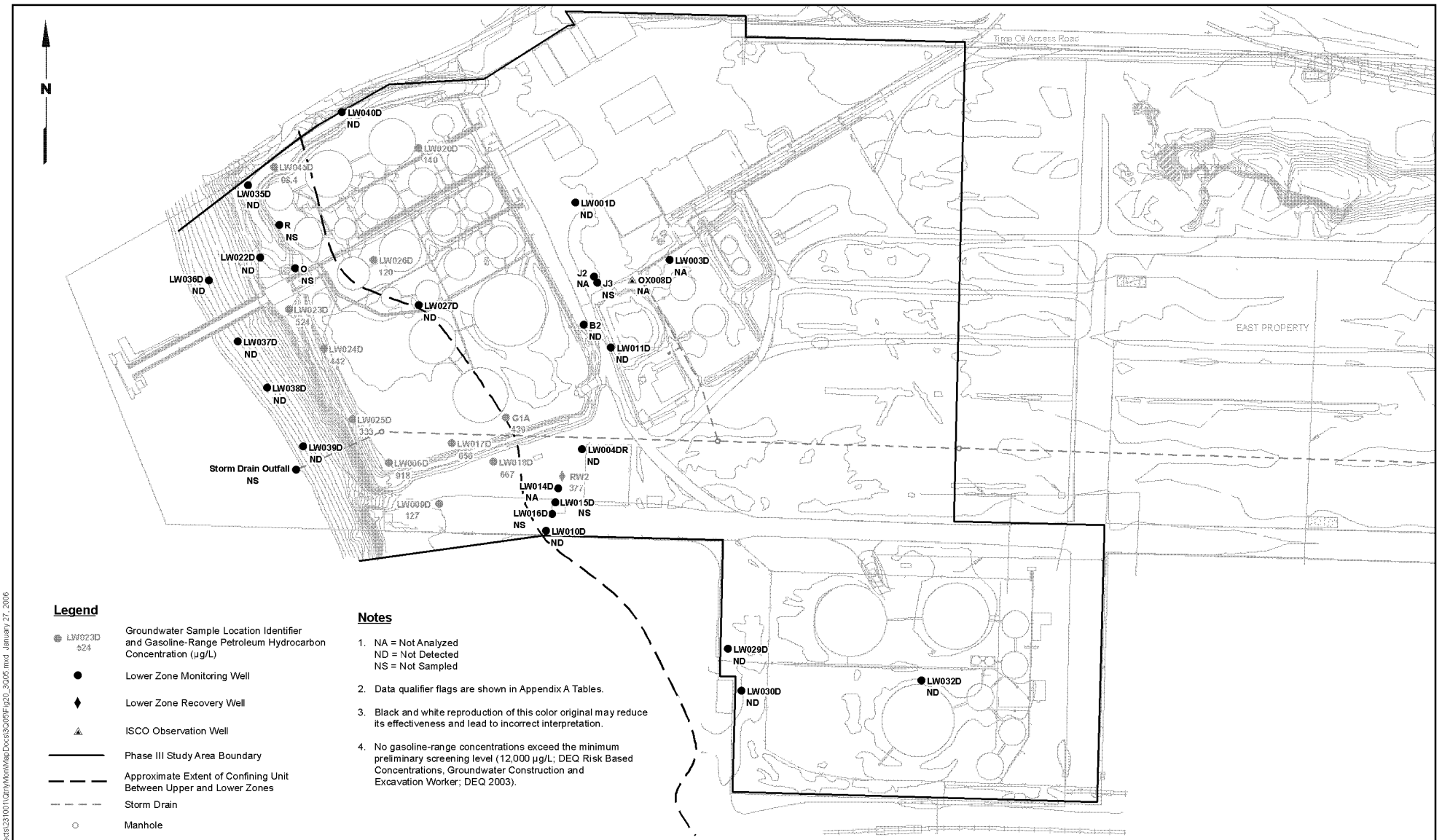
Time Oil NW Terminal
Portland, Oregon

Diesel-Range Petroleum Hydrocarbons in Groundwater, Lower Zone, August 2005

Figure 19

BZTO104(e)028109



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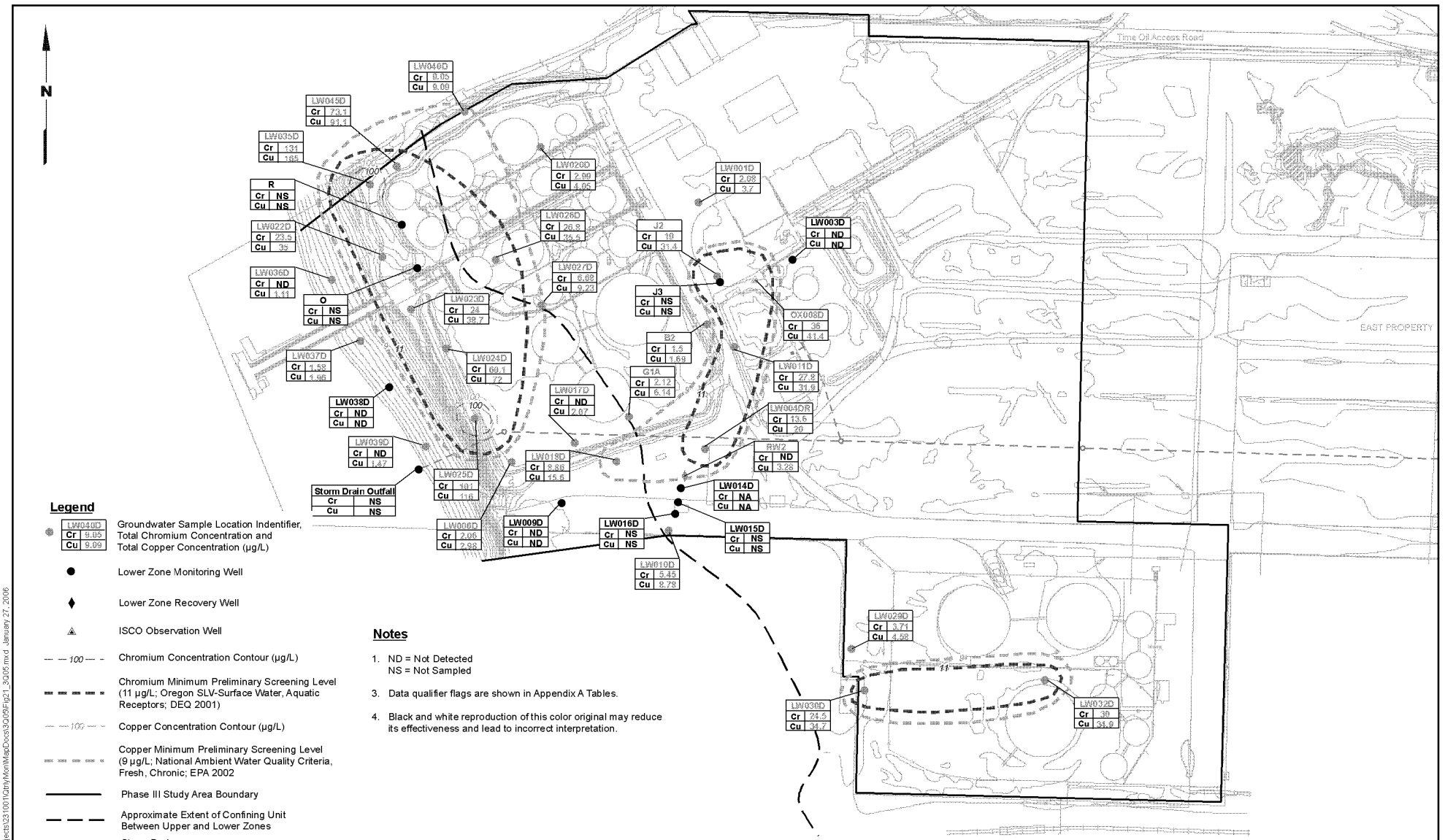
Time Oil NW Terminal
Portland, Oregon

Gasoline-Range Petroleum Hydrocarbons in Groundwater, Lower Zone, August 2005

Figure 20

BZTO104(e)028110



Legend

- LW040D Cr 9.05 Cu 9.09 — Groundwater Sample Location Indentifier, Total Chromium Concentration and Total Copper Concentration (µg/L)
- Lower Zone Monitoring Well
- Lower Zone Recovery Well
- ISCO Observation Well
- 100 — Chromium Concentration Contour (µg/L)
- Chromium Minimum Preliminary Screening Level (11 µg/L; Oregon SLV-Surface Water, Aquatic Receptors; DEQ 2001)
- 100 — Copper Concentration Contour (µg/L)
- Copper Minimum Preliminary Screening Level (9 µg/L; National Ambient Water Quality Criteria, Fresh, Chronic; EPA 2002
- Phase III Study Area Boundary
- Approximate Extent of Confining Unit Between Upper and Lower Zones
- Storm Drain
- Manhole

Notes

1. ND = Not Detected
   NS = Not Sampled
3. Data qualifier flags are shown in Appendix A Tables.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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Time Oil NW Terminal
Portland, Oregon

Total Chromium and Copper in Groundwater, Lower Zone
August 2005

Figure 21

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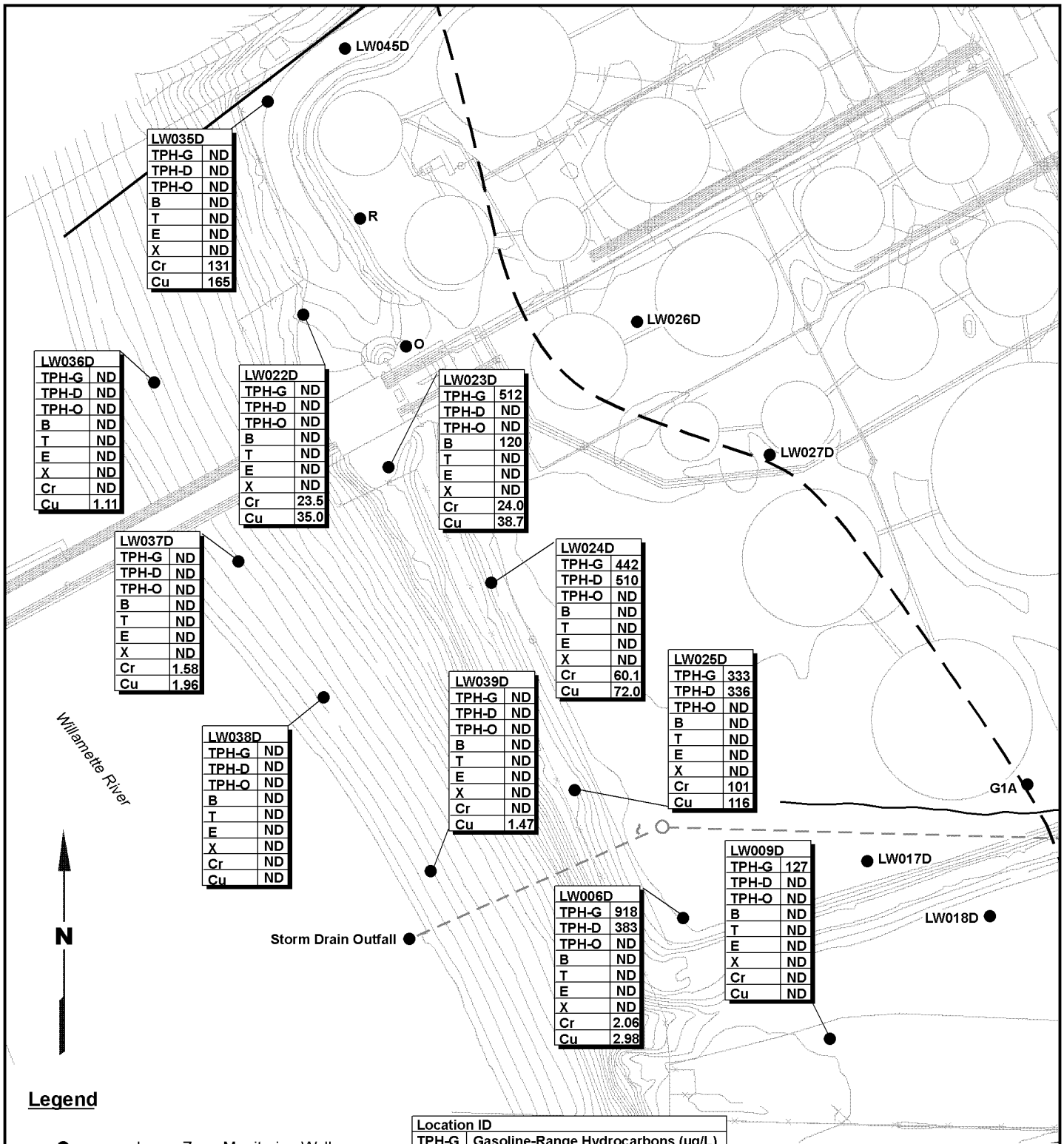
BZTO104(e)028111



Location ID	
TPH-G	Gasoline-Range Hydrocarbons (µg/L)
TPH-D	Diesel-Range Hydrocarbons (µg/L)
TPH-O	Motor Oil-Range Hydrocarbons (µg/L)
B	Benzene (µg/L)
T	Toluene (µg/L)
E	Ethylbenzene (µg/L)
X	Total Xylenes (µg/L)
Cr	Total Chromium (µg/L)
Cu	Total Copper (µg/L)

ND = Not Detected

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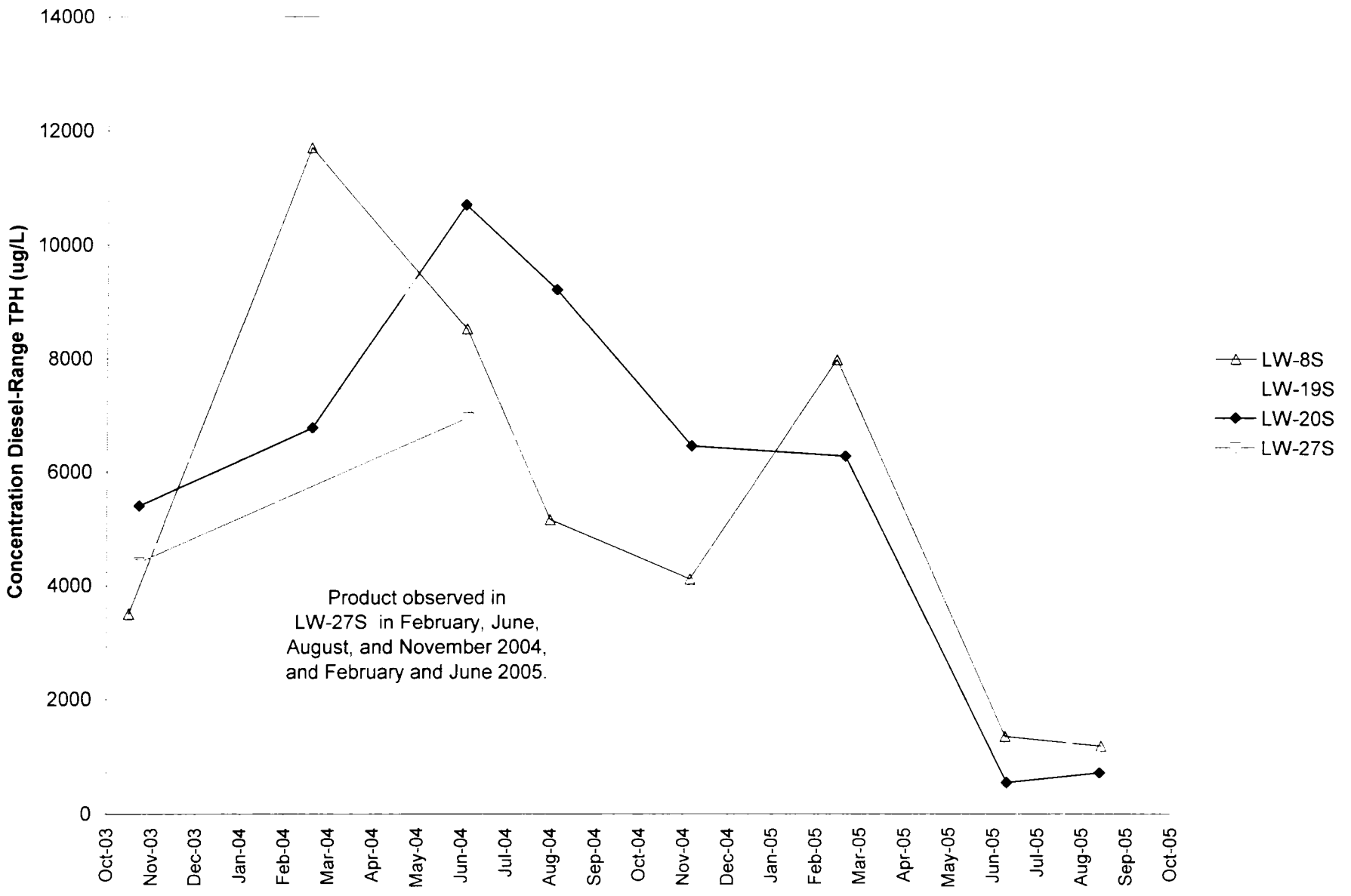
Time Oil NW Terminal
Portland, Oregon

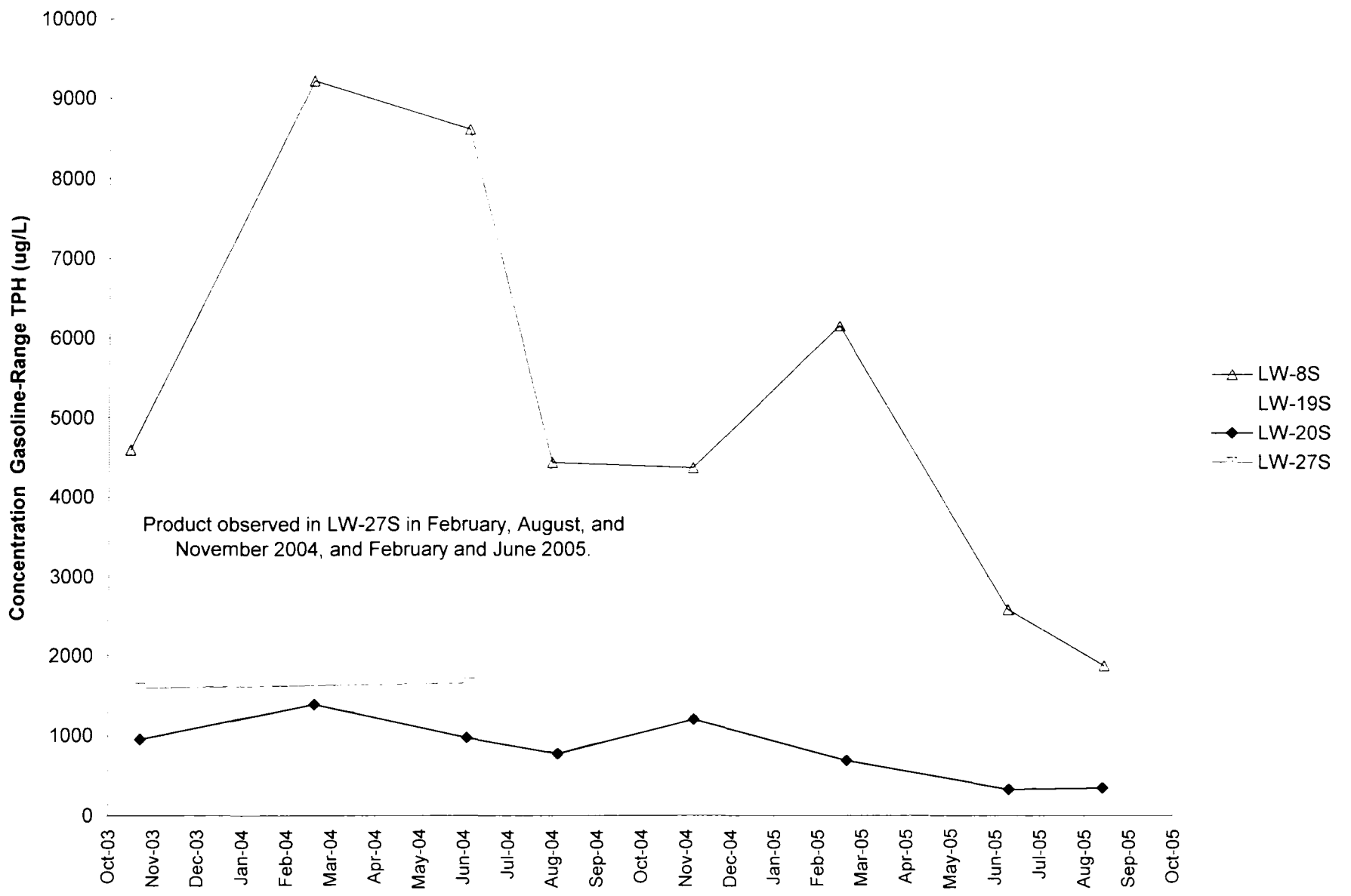
Groundwater Concentrations, Nearshore Wells, Selected Analytes August 2005

Figure 22



LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**Diesel-Range Hydrocarbons Selected Upper Zone Wells Main Tank Farm Area**	Figure 23



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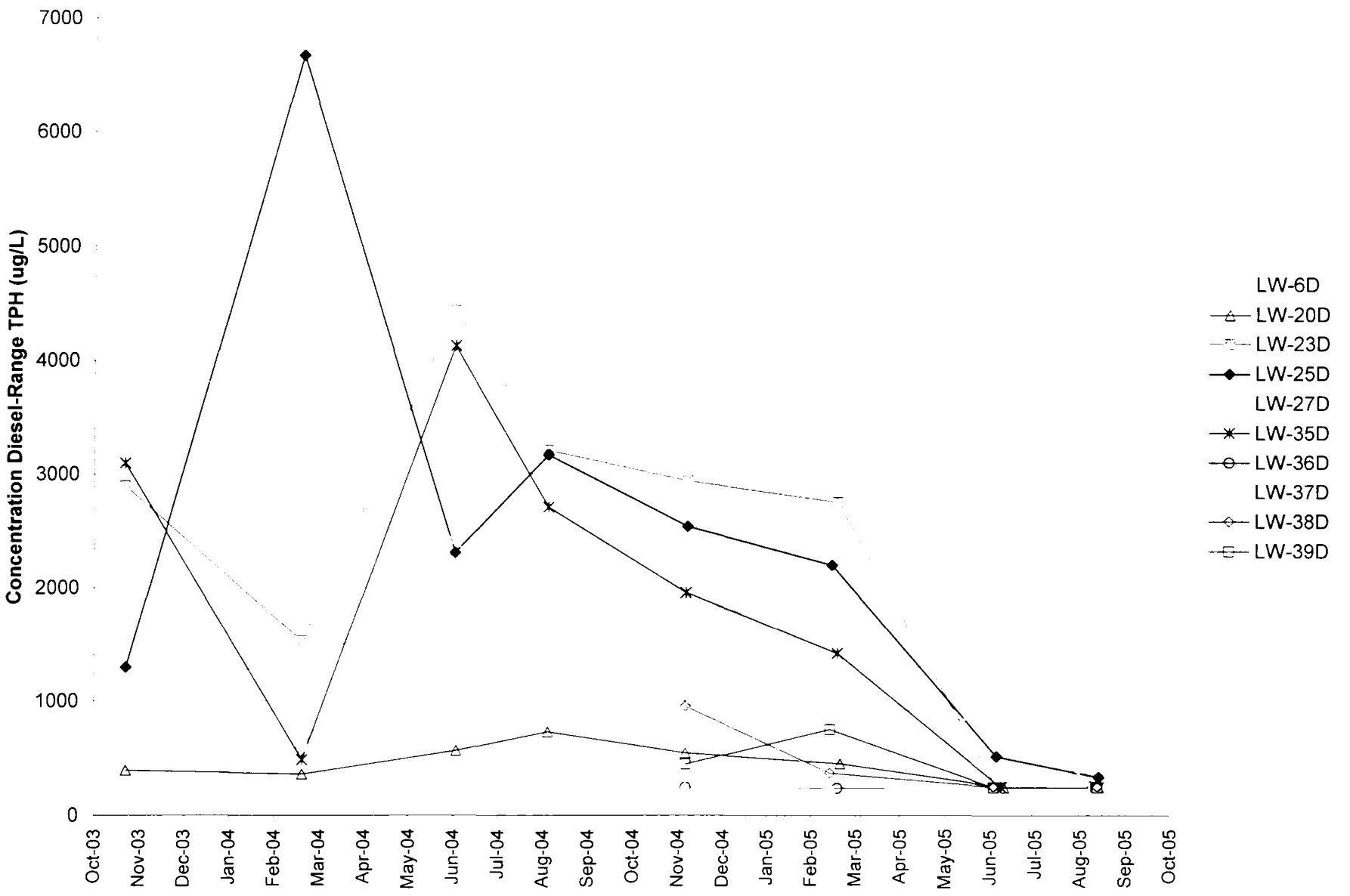
Time Oil NW Terminal
Portland, Oregon

Gasoline-Range Hydrocarbons
Selected Upper Zone Wells
Main Tank Farm Area

Figure
24



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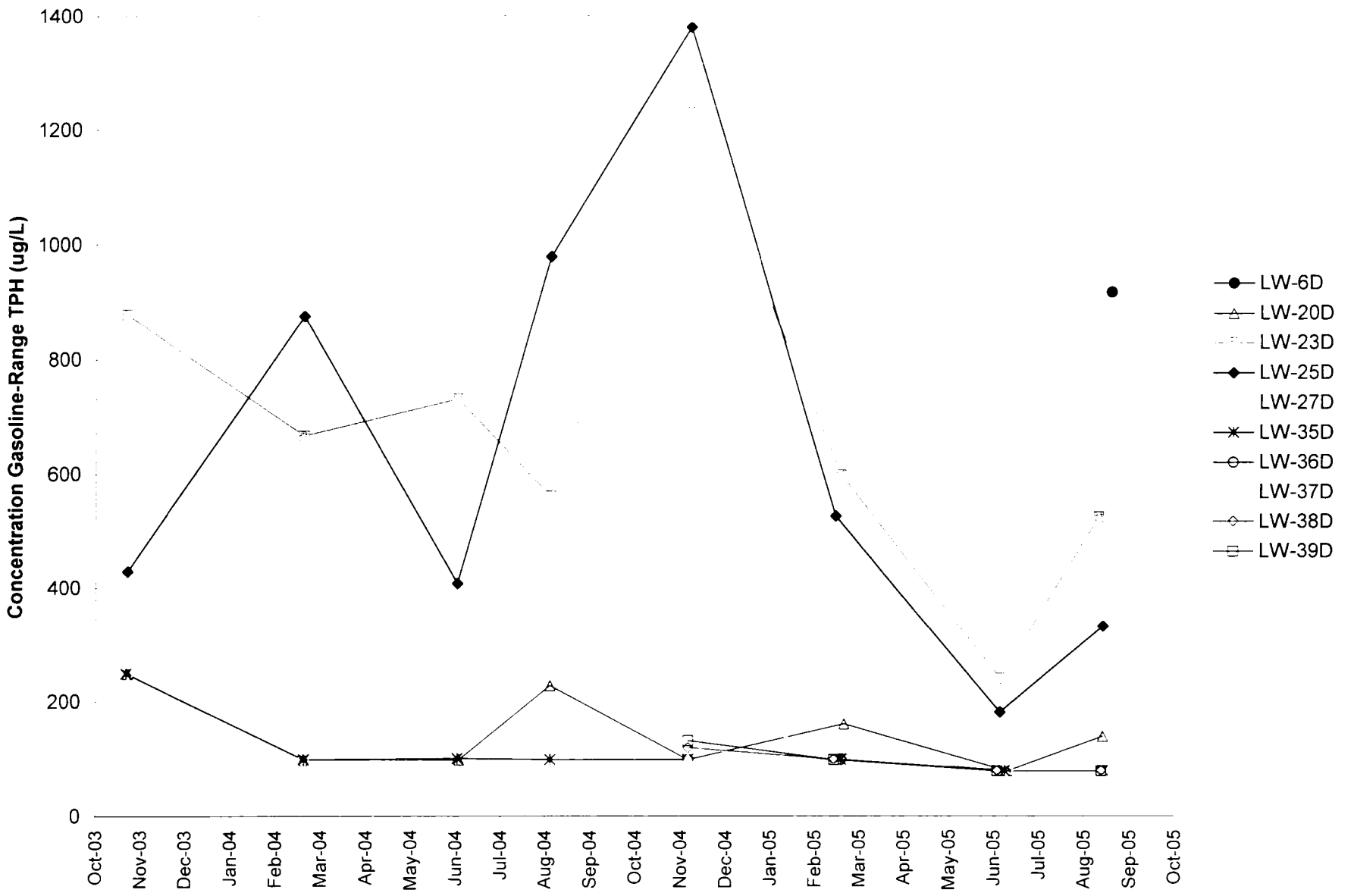
Time Oil NW Terminal
Portland, Oregon

Diesel-Range Hydrocarbons
Selected Lower Zone Wells
Main Tank Farm Area

Figure
25



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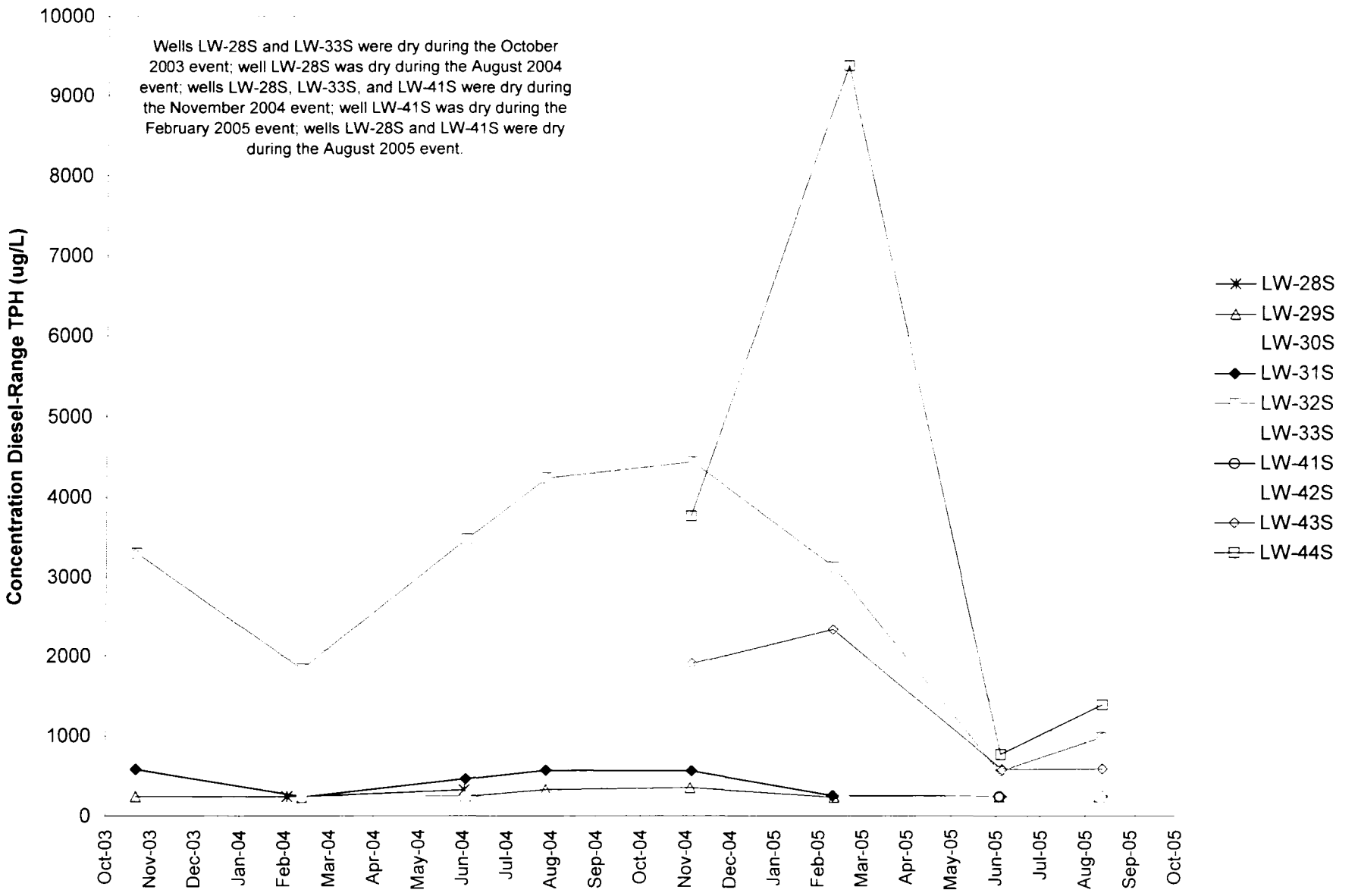
Time Oil NW Terminal
Portland, Oregon

Gasoline-Range Hydrocarbons
Selected Lower Zone Wells
Main Tank Farm Area

Figure
26



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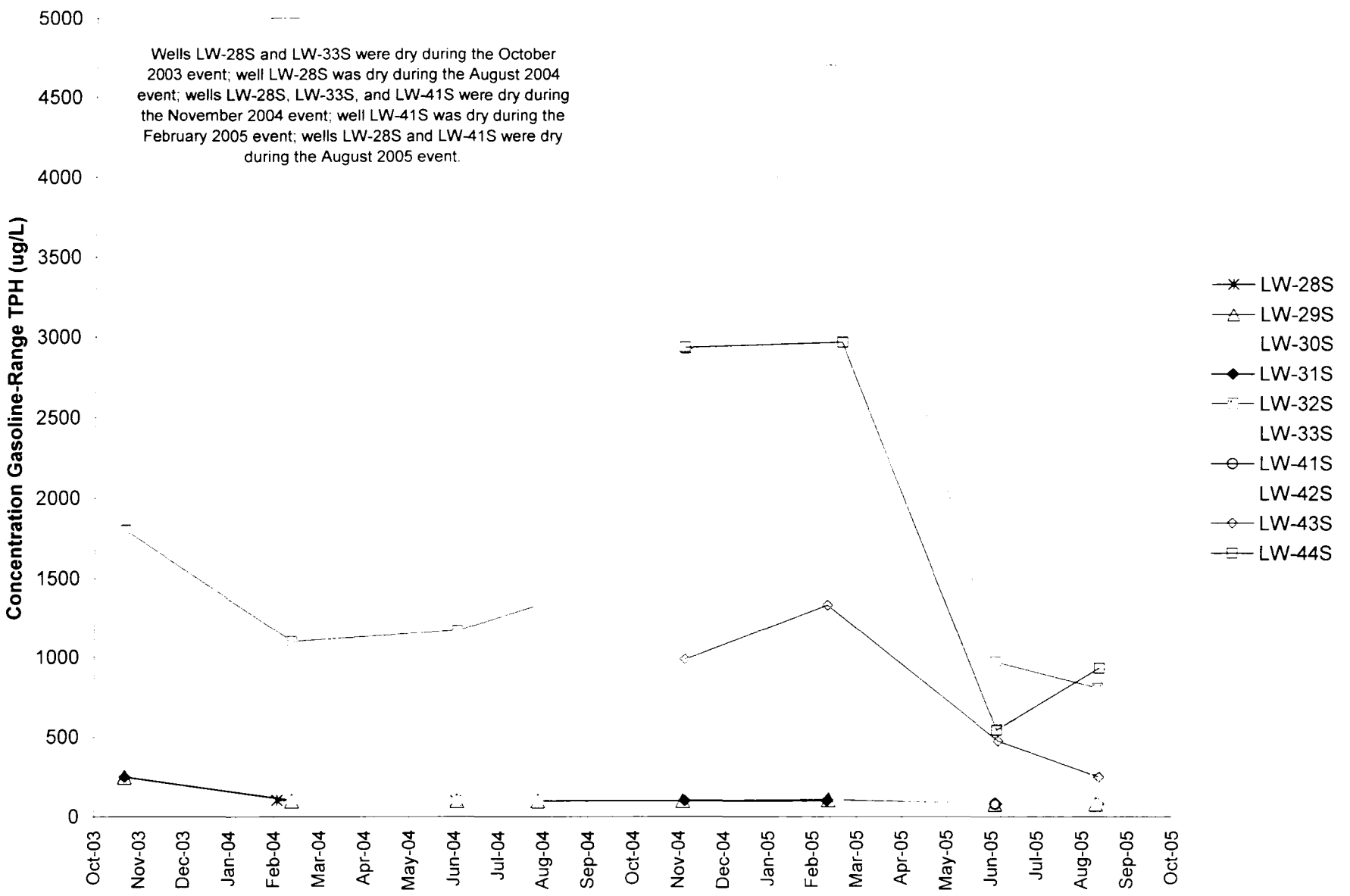
Time Oil NW Terminal Portland, Oregon	**Diesel-Range Hydrocarbons Upper Zone Wells Bell Terminal**	Figure 27



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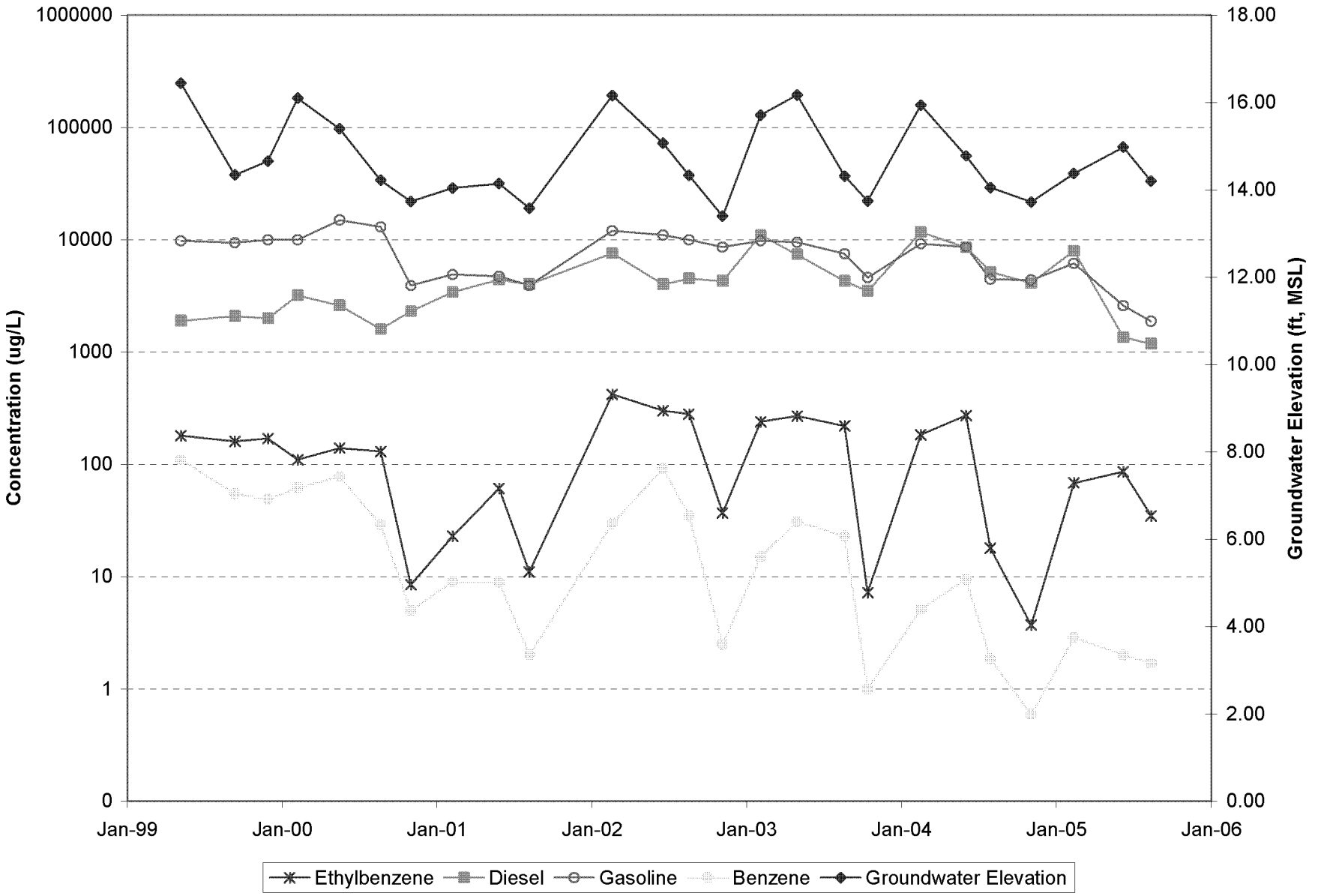
Time Oil NW Terminal
Portland, Oregon

Gasoline-Range Hydrocarbons
Upper Zone Wells
Bell Terminal

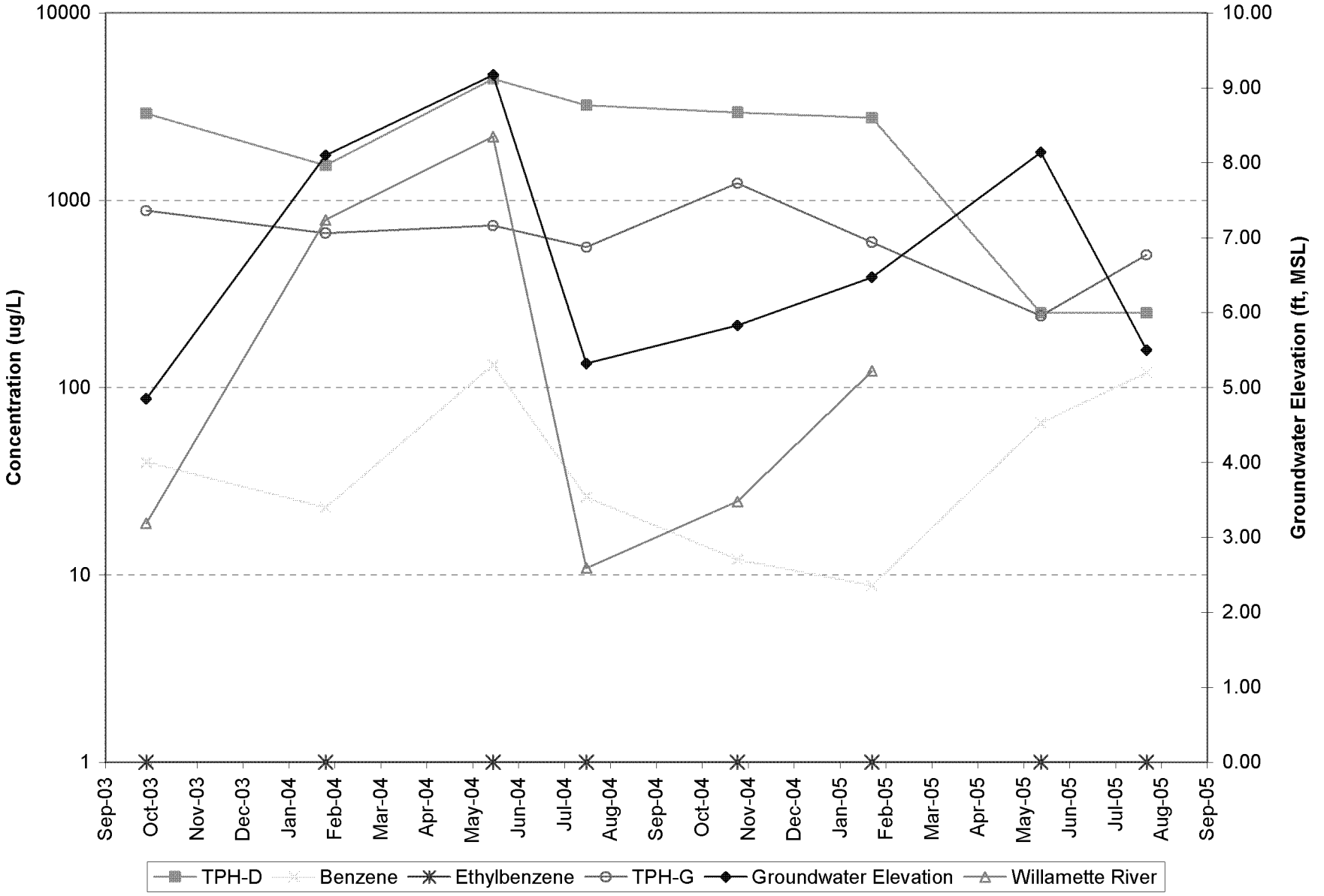
Figure
28

Source: edmdata\sheets\TIMEOIL\PH2RI\PLOTS2004-2005also LW-8S-all



LANDAU ASSOCIATES

Time Oil NW Terminal Portland, Oregon	**Selected Constituents Well LW-8S, Upper Zone Main Tank Farm Area**	Figure 29



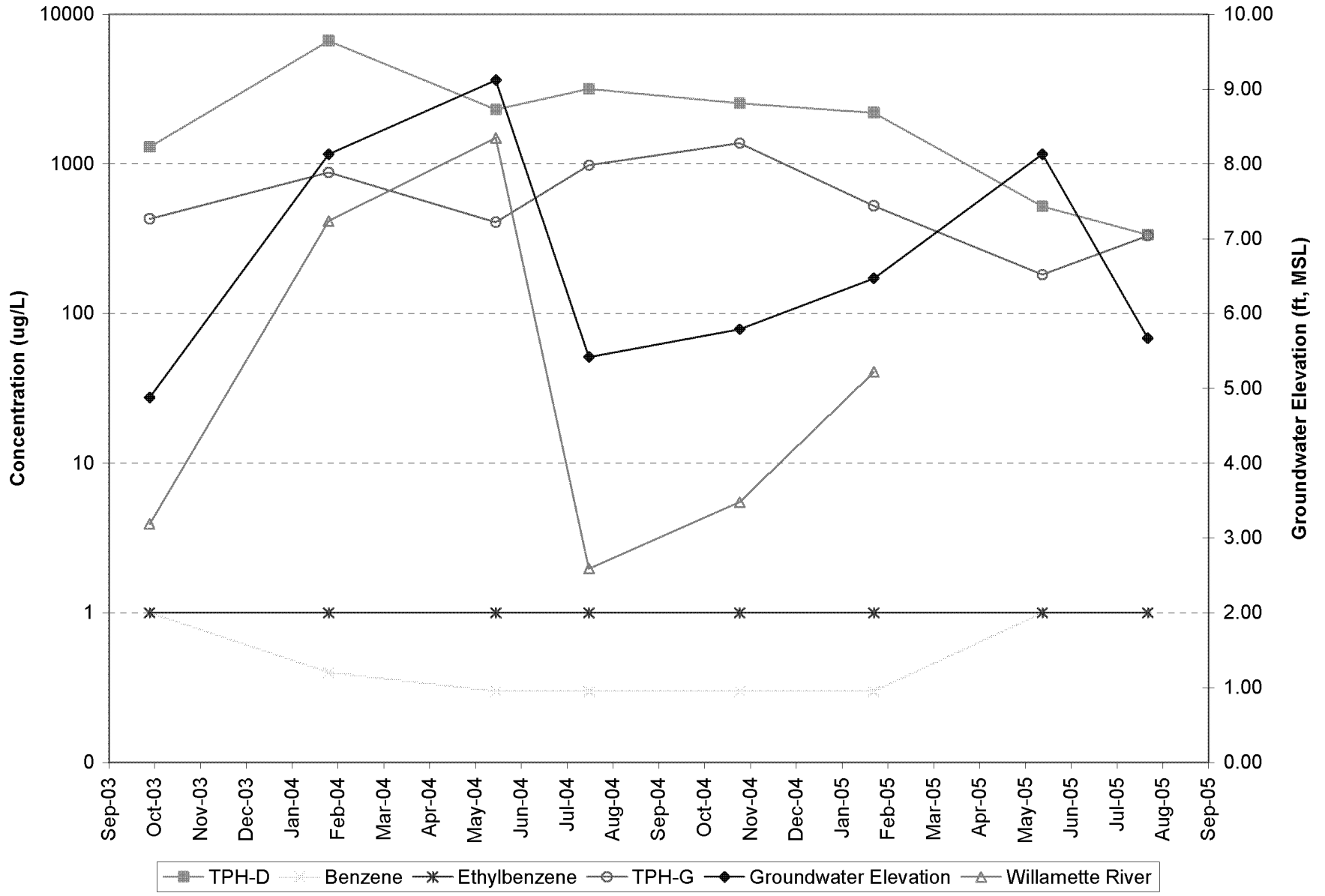
LANDAU ASSOCIATES

Time Oil NW Terminal
Portland, Oregon

Selected Constituents, Well LW-23D
Lower Zone
Main Tank Farm Area

Figure
30

Source: edmdata\sheets\TIMEOIL\PH2RI\PLOTS2004-2005 LW25D



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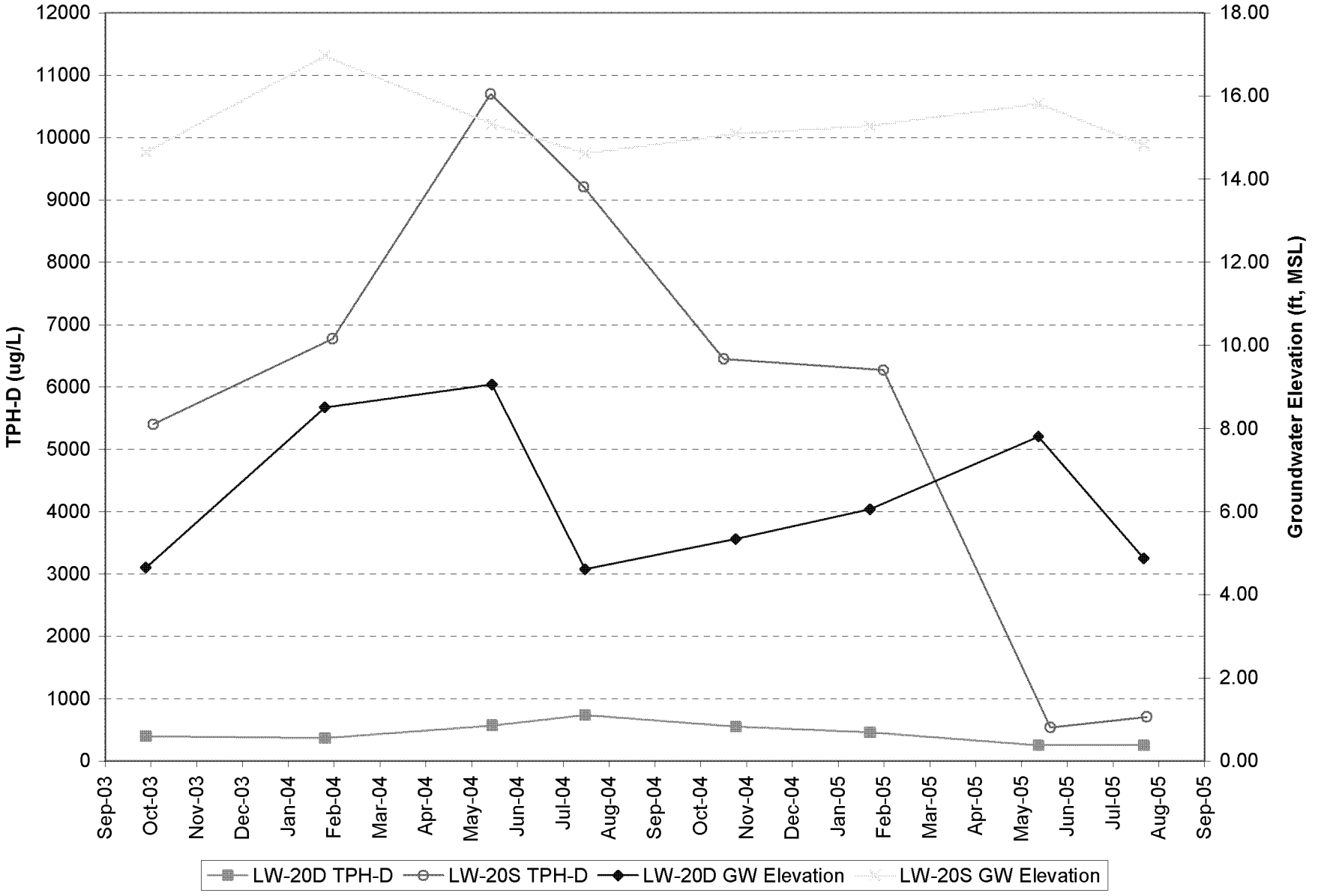
Time Oil NW Terminal
Portland, Oregon

Selected Constituents
Well LW-25D, Lower Zone
Main Tank Farm Area

Figure
31

BZTO104(e)028121



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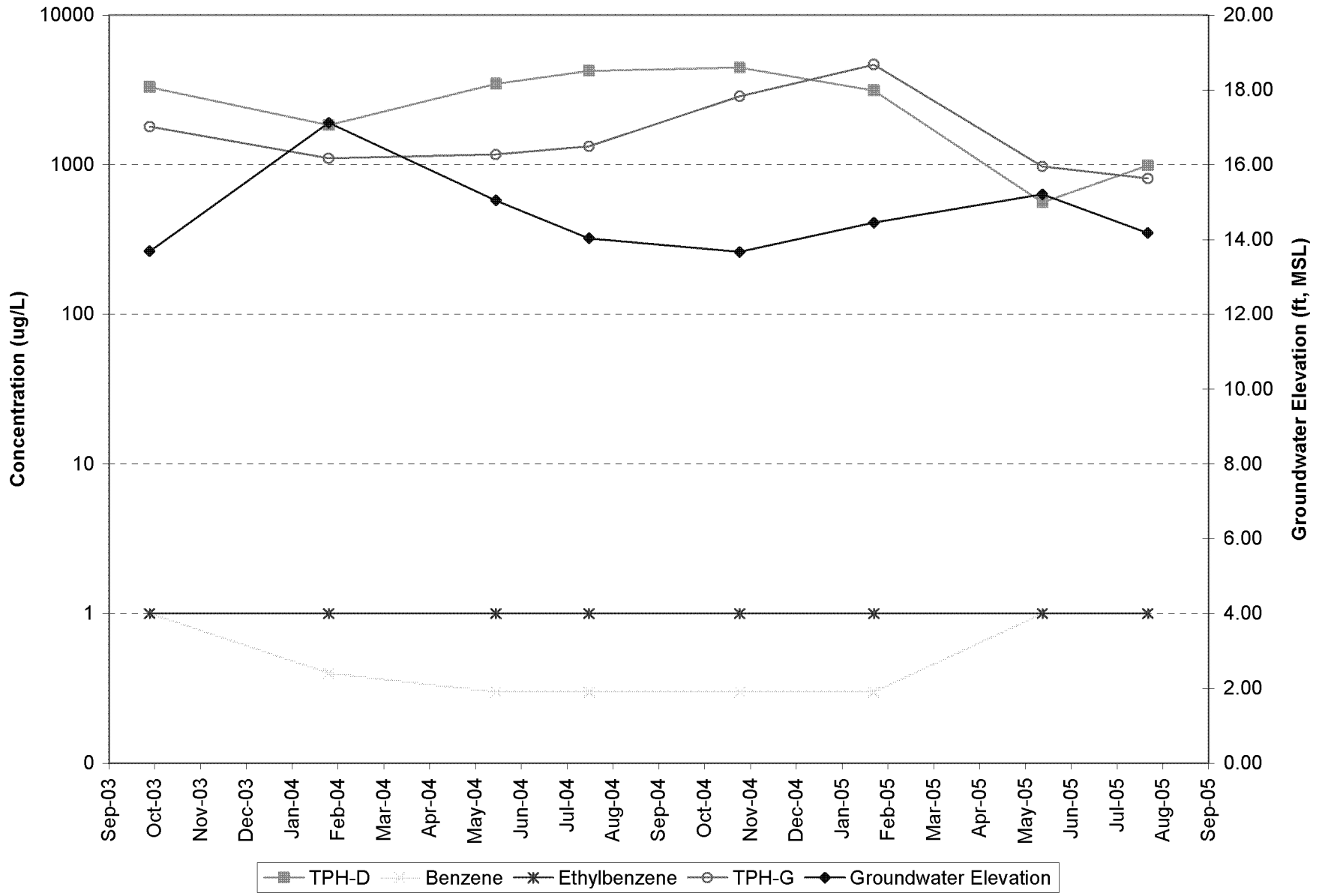
Time Oil NW Terminal Portland, Oregon	**Diesel-Range TPH vs. Groundwater Elevation LW-20S and LW-20D Main Tank Farm Area**	Figure 32

Source: S:\Edmdata\sheets\TIMEOIL\PH2RI\PLOTS2004-2005 LW32S



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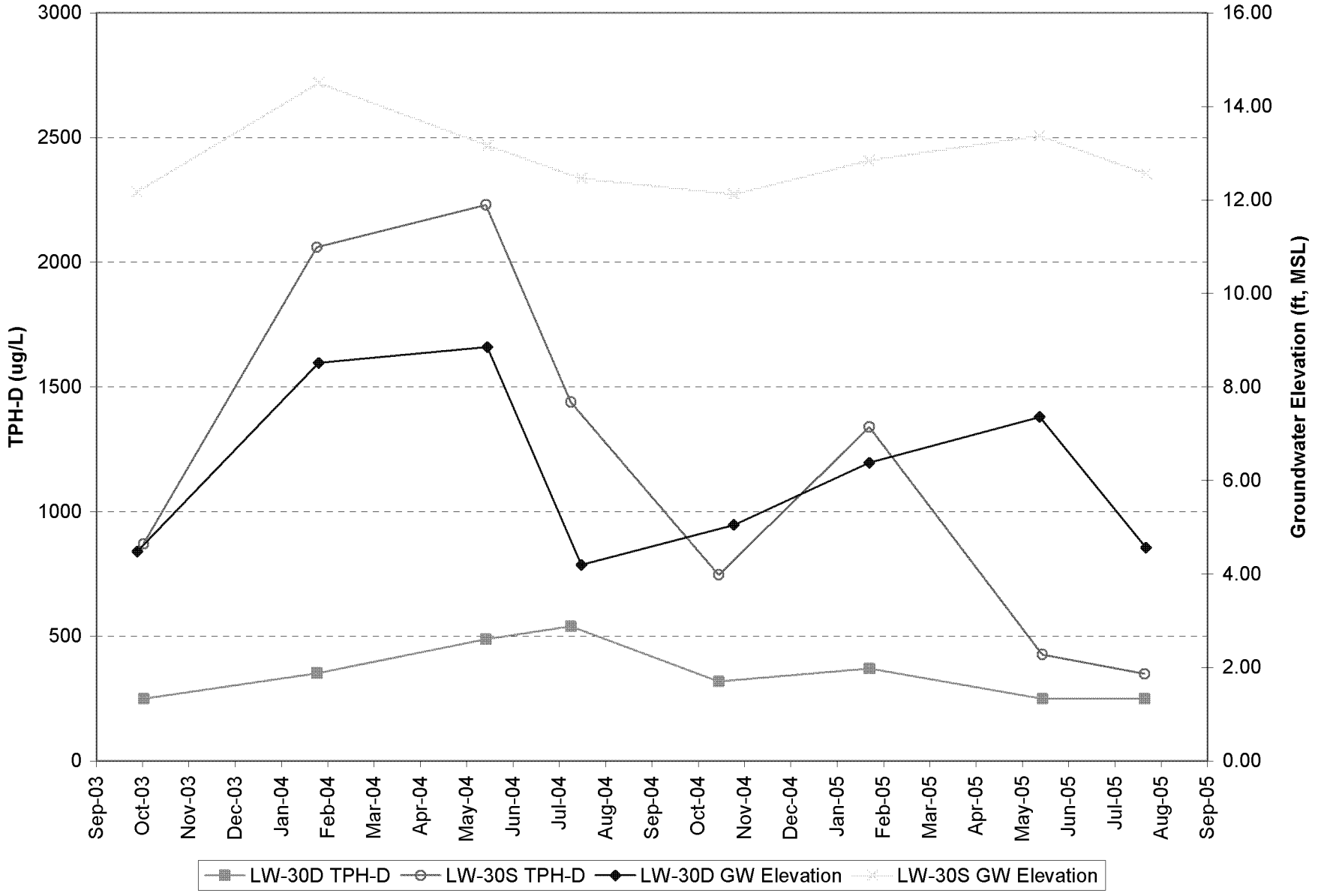
Time Oil NW Terminal Portland, Oregon	**Selected Constituents** **Well LW-32S, Upper Zone Bell Terminal**	Figure 33

BZTO104(e)028123

Source: edmdata\sheets\TIMEOIL\PH2RI\PLOTS2004-2005 LW30D-S



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Time Oil NW Terminal
Portland, Oregon

Diesel-Range TPH vs. Groundwater Elevation
LW-30S and LW-30D
Main Tank Farm Area

Figure
34

BZTO104(e)028124

APPENDIX E

Data Validation Report

TECHNICAL MEMORANDUM

LANDAU ASSOCIATES
ENVIRONMENTAL | GEOTECHNICAL | NATURAL RESOURCES

TO: Rebekah Brooks, Landau Associates

CC: Tom Roick, DEQ
Mark Chandler, Time Oil Co.
Patty Dost, Schwabe, Williamson & Wyatt
Mike Tischuk, Beazer East, Inc.

FROM: April Wallace and Anne Halvorsen, Landau Associates

DATE: October 24, 2005

RE: 3RD QUARTER 2005 GROUNDWATER MONITORING LABORATORY DATA QUALITY EVALUATION TIME OIL NORTHWEST TERMINAL

INTRODUCTION

This technical memorandum provides the results of a data quality evaluation for 70 groundwater samples and 9 trip blanks collected at the Time Oil Northwest Terminal August 15 through August 30, 2005, for the Phase II/III Remedial Investigation (RI) third quarter 2005 groundwater monitoring event. A data quality evaluation was performed for analysis of volatile organic compounds [VOCs; U.S. Environmental Protection Agency (EPA) Method 8260B]; benzene, toluene, ethylbenzene, and xylenes (BTEX; EPA Method 8260B); semivolatile organic compounds (SVOCs; EPA Method 8270C); total petroleum-range hydrocarbons (NWTPH-Dx and NWTPH-G); polycyclic aromatic hydrocarbons [PAH; EPA Method 8270 with selected ion monitoring (SIM)]; pentachlorophenol (PCP; EPA Method 8270 SIM); selected total and dissolved priority pollutant (PP) metals (EPA Methods 6020 and 7470A); dioxins and furans (EPA Method 1613B); methane gas [gas chromatography/flame ionization detector (GC/FID)]; chloride, sulfate, nitrate (EPA Method 300.0); sulfide (EPA Method 376.2); total organic carbon (TOC; EPA Method 415.1/5310C); and total dissolved solids (TDS; EPA Method 160.1).

Analyses of groundwater samples were performed by North Creek Analytical, Inc. (NCA) located in Beaverton, Oregon; and Pace Analytical Services, Inc. (Pace) located in Minneapolis, Minnesota. This data quality evaluation covers NCA data packages P5H0625, P5H0701, P5H0734, P5H0813, P5H0814, P5H0852, P5H0853, P5H1000, P5H1257, and Pace data packages 1018935, 1018937, and 1019376.

The data quality evaluation was performed in accordance with the revised quality assurance project plan (QAPP) contained in Appendix C of the *Phase III Remedial Investigation* work plan (Landau Associates 2001), and with applicable portions of the EPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* and *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (EPA 1994a,b).

The evaluation considered the following elements:

- Chain-of-custody records
- Holding times
- Method and field trip blank results
- Surrogate spike recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) results
- Laboratory control sample and laboratory control sample duplicate (LCS/LCSD) results
- Duplicate (laboratory and field) results
- Reporting limits
- Overall data quality and completeness.

Data validation qualifiers are added to sample results based on the evaluation of data quality. The absence of a data qualifier indicates that the datum is acceptable without qualification. Applicable data validation qualifiers are summarized in Table 1. The data quality evaluation is summarized below.

CHAIN-OF-CUSTODY RECORDS

Signed chain-of-custody (COC) records accompanied each data package. The laboratory received all samples in good condition. All requested analyses were performed with the following exceptions:

- The laboratory indicated that a shipping error occurred while transferring two samples from data packages P5H0734 and P5H0813 from the NCA Beaverton, Oregon, laboratory to its Anchorage, Alaska, laboratory. The samples were not delivered to the NCA Anchorage laboratory for methane analysis as requested due to this shipping error. No replacement samples were collected or submitted for methane analysis. Methane results are reported for one sample only from data package P5H1000 for the third quarter sampling event.

- Due to a login error at the laboratory, sample LW-1S in data package P5H0814 was not analyzed for gasoline-range hydrocarbons by NWTPH-Gx.

HOLDING TIMES

For all analyses and all samples, the time between sample collection, extraction, and analyses was determined to be within EPA- and project-specified holding times except as indicated below:

- One sample from data package P5H1000 was re-extracted for a second SVOC analysis 17 days outside of method-specific holding times. Due to low surrogate recovery in the original analysis, analytical results from the original analysis are reported because of similar sample results and are qualified as specified in the following Surrogate Spike Recoveries section. No further qualification of the data is necessary.

METHOD BLANK RESULTS

Method blanks were analyzed with each batch of samples for each analysis. No contamination was detected in any of the method blanks. No qualification of the data is necessary.

FIELD TRIP BLANK RESULTS

In accordance with the QAPP, field equipment rinsate blanks were not collected (all sampling equipment was dedicated and/or disposable, which eliminated the potential for cross contamination). Nine field trip blanks were collected and submitted for laboratory analysis of VOCs in data packages P5H0625, P5H0701, P5H0734, P5H0813, P5H0814, P5H0852, P5H0853, P5H1000, and P5H1257. No contamination was detected in any of the trip blanks. No qualification of the data is necessary.

SURROGATE SPIKE RECOVERIES

Surrogate spikes were performed with each organic analysis (or internal standards for dioxin/furan analysis). Recovery values for the surrogate spikes were within the current laboratory control limits, except as indicated below.

- Recoveries of the surrogate 4-Bromofluorobenzene (4-BFB) associated with the TPH-G analysis of several samples in data packages P5H0625, P5H0701, P5H0814, and P5F1257 were not within laboratory control limits. The laboratory indicated that the surrogate recoveries could not be accurately quantified due to interference from coeluting compounds or components. No qualification of the data is necessary.

- Recoveries of the surrogate 4-Bromofluorobenzene (4-BFB) associated with the TPH-G analyses of several samples in data packages P5H0734 and P5H0853 exceeded laboratory control limits. The laboratory indicated that the surrogate recoveries are outside control limits due to matrix interference. The gasoline results for these project samples are qualified as estimates (J), as indicated in Table 1.

- Recovery of the surrogate 1-Chlorooctodecane (1-COD) associated with the TPH-Dx analyses of two samples in data package P5H0734 and P5H1000 were below laboratory control limits. The laboratory indicated that the surrogate recovery is outside control limits due to matrix interference. The diesel and heavy oil results for these samples are qualified as estimates (J/UJ), as indicated in Table 1.

- Recovery of the surrogate 2,4,6-Tribromophenol (2,4,6-TBP) associated with the PCP analysis of data package P5H0853 was slightly greater than the laboratory control limits for one sample. PCP was nondetect for this sample. No qualification of the data is necessary.

- Recoveries of the two acid-fraction surrogates 2-Fluorophenol (2-FP) and 2,4,6-TBP associated with the SVOC analysis of one sample in data package P5H1000 were below laboratory control limits. In accordance with the EPA guidelines (EPA 1994a), all acid-

fraction compounds in the project sample are qualified as estimates (J/UJ), as indicated in Table 1.

- Recovery of the internal standard 2,3,7,8-TCDD-37C14 associated with the dioxin/furan analysis of one sample in data package 1019376 exceeded laboratory control limits. Because no associated target compounds were detected in the project sample, no qualification of the data is necessary.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS

MS, MSD, and/or laboratory duplicate samples were performed for most analyses. Recoveries and RPDs for all project sample matrix spikes were within the project-specified control limits, except as indicated below:

- The MS and MSD recoveries for gasoline associated with the TPH-G gasoline-range organics analysis of data packages P5H0701 and P5H0814 were below laboratory control limits. The gasoline results for the project samples are qualified as estimates (UJ), as indicated in Table 1.

- The MS recovery associated with the TPH-Dx diesel-range organics analysis of data package P5H0814 was slightly below laboratory control limits. Because the MSD recovery was within control limits, and the RPD between the MS and MSD was acceptable, no qualification of the data is necessary.

LABORATORY CONTROL SAMPLE (LCS) RESULTS

At least one LCS (or blank spike sample) and/or laboratory control sample duplicate (LCSD) was analyzed with each batch of samples for each analysis. Recoveries and RPDs for the laboratory control samples and associated duplicates were within laboratory-specified control limits for all project samples, except as discussed below:

- The RPD between the LCS and LCSD for OCDD associated with the dioxin/furan analysis of data package 1019376 exceeded the laboratory control limit. The laboratory indicated that a slight high bias may exist for this compound. The OCDD concentration in the associated project sample has been qualified as an estimate (J), as indicated in Table 1.

FIELD DUPLICATE RESULTS

Four pairs of blind field duplicate samples (RW1/W, LW023D/X, LW038D/Y, and LW042S/Z) were collected during this sampling event and submitted for analysis. A project-specified control limit of 20 percent was used to evaluate the RPDs between the duplicate sample results, except when the sample results were within five times the reporting limit. In these cases, a project-specified control limit

of plus or minus the reporting limit was used. RPDs for all duplicate sample pairs submitted for analysis were within the control limits, except as indicated on Table 1 and discussed below:

- The RPD between the arsenic results for the total PP metals analysis of field duplicate pair RW1/W in data package P5H1257 exceeded the project-specified control limit. Results for this compound for samples RW1 and W are qualified as estimates (J), as indicated in Table 1.

REPORTING LIMITS

All project-specified reporting limits were met, except as indicated below:

- Project-specified reporting limits generally exceeded those defined in the QAPP for most semivolatile compounds and a few volatile compounds. The laboratory was notified and lower estimated limits were provided by the laboratory for PCP (see Table 1). The laboratory will resolve this issue for the fourth quarter 2005 sampling event.

- Reporting limits were raised for several analytes associated with the PAH analyses of data packages P5H0625, P5H0701, P5H0734, P5H0813, P5H0852, P5H0853, P5H1000, and P5H1257. The laboratory indicated that this was due to matrix interference or to dilution necessary for analysis. Project-specified reporting limits were exceeded for several samples from these packages. No qualification of the data is necessary.

- Reporting limits were raised for several analytes associated with the SVOC analyses of one sample from data package P5H0814. The laboratory indicated that this was due to matrix interference. Project-specified reporting limits were exceeded for one sample from this package. No qualification of the data is necessary.

- Project-specified reporting limits were raised for one sample analyzed for PAH from data packages P5H0734 and P5H0814. The laboratory indicated that this was due to limited sample quantity available for analysis. No qualification of the data is necessary.

- Project-specified reporting limits were exceeded for one sample analyzed for SVOC from data package P5H0701. The laboratory indicated that this was due to limited sample quantity available for analysis. No qualification of the data is necessary.

- Reporting limits were raised for a few samples analyzed for sulfide from data packages P5H0813, P5H0852, and P5H1000. The laboratory indicated that this was due to matrix interference. No qualification of the data is necessary.

- Project-specified reporting limit was exceeded for one sample analyzed for methane from data package P5H1000. The laboratory indicated that this was due to dilution necessary for analysis. No qualification of the data is necessary.

OTHER

Other factors which required evaluation of the data include the following:

- Detected diesel-range organics for several samples associated with the TPH-Dx analyses of data packages P5H0635, P5H0701, P5H0734, P5H0813, P5H0814, P5H0852, P5H0853, and P5H1000 were identified by the laboratory as having weathered diesel/heavy gas/light diesel components. No qualification of the data is necessary.

- The laboratory indicated that detected diesel-range organics for several samples associated with the TPH-Dx analyses of data packages P5H1000 and P5H1257 appear to be due to the overlap of gasoline-range hydrocarbons. No qualification of the data is necessary.

- Dioxin/furan analyses were subcontracted to Pace. Analytical results from data packages 1018935, 1018937, and 1019376 were acceptable without qualification unless otherwise discussed above.

- There was a discrepancy for most analytical results between the amount of significant digits reported on the final hard copies and the amount of significant digits reported in the electronic deliverables provided by the laboratory. The data on the final hard copies shows two significant digits. The data on the electronic deliverables was rounded to the nearest whole number. Therefore, the values shown on the final hard copies and the data shown on the final report tables do not exactly match due to a significant digit issue.

OVERALL DATA QUALITY AND COMPLETENESS

Data precision was evaluated through laboratory duplicates, field duplicates, matrix spike duplicates, and laboratory control samples duplicates. Data accuracy was evaluated through surrogate spikes, matrix spikes, and laboratory control samples. Based on this data quality evaluation, all of the data were determined to be acceptable and no data were rejected.

Because the methane and gasoline analyses were not performed for samples from data packages P5H0734, P5H0813, and P5H0814, as identified above, the completeness for this set of data is approximately 95 percent, which exceeds the project-specified goal of 90 percent.

REFERENCES

EPA. 1994a. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*. U.S. Environmental Protection Agency.

EPA. 1994b. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. U.S. Environmental Protection Agency.

Landau Associates. 2001. *Work Plan, Phase III Remedial Investigation, Time Oil Northwest Terminal, Portland, Oregon.* June 18.

TABLE 1
SUMMARY OF DATA VALIDATION QUALIFIERS
TIME OIL NORTHWEST TERMINAL
3RD QUARTER 2005 GROUNDWATER ANALYTICAL RESULTS

Package Number	Analysis	Analyte	Sample Number	Concentration	Qualifier	Reason
P5H0853	NWTPH-G	Gasoline	LW-18D	667	J	High surrogate recoveries
P5H0853	NWTPH-G	Gasoline	RW-2	377	J	High surrogate recoveries
P5H0853	NWTPH-G	Gasoline	LW-8S	1880	J	High surrogate recoveries
P5H0853	NWTPH-G	Gasoline	G-1A	439	J	High surrogate recoveries
P5H0853	NWTPH-G	Gasoline	LW-17D	656	J	High surrogate recoveries
P5H0734	NWTPH-G	Gasoline	LW-44S	933	J	High surrogate recoveries
P5H0701	NWTPH-G	Gasoline	LW-32D	80.0	UJ	Low MS/MSD recoveries
P5H0814	NWTPH-G	Gasoline	LW-10D	80.0	UJ	Low MS/MSD recoveries
P5H0734	NWTPH-Dx	Diesel	LW-38S	0.250	UJ	Low surrogate recoveries
P5H0734	NWTPH-Dx	Heavy Oil	LW-38S	0.500	UJ	Low surrogate recoveries
P5H1000	NWTPH-Dx	Diesel	P	0.789	J	Low surrogate recoveries
P5H1000	NWTPH-Dx	Heavy Oil	P	0.500	UJ	Low surrogate recoveries
P5H1000	SVOCs	Tetrachlorophenols(2)	OX-5S	25.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	Benzoic Acid	OX-5S	10.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	4-Chloro-3-methylphenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2-Chlorophenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2,4-Dichlorophenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2,4-Dimethylphenol	OX-5S	10.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	4,6-Dinitro-2-methylphenol	OX-5S	10.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	2,4-Dinitrophenol	OX-5S	25.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	2-Methylphenol	OX-5S	10.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	3,4-Methylphenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2-Nitrophenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	4-Nitrophenol	OX-5S	25.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	Pentachlorophenol	OX-5S	10.0	UJ	Low surrogate recoveries
P5H1000	SVOCs	Phenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2,4,5-Trichlorophenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	2,4,6-Trichlorophenol	OX-5S	5.00	UJ	Low surrogate recoveries
P5H1000	SVOCs	All	OX-5S	All	UJ DNR	Holding time exceeded by 17 days
P5H1257	PP Metals	Arsenic	RW-1	0.00235	J	High RPD between field duplicate results
P5H1257	PP Metals	Arsenic	W	0.00342	J	High RPD between field duplicate results
1019376	Dioxins/Furans	OCDD	RW-1	1.000	J	High LCSD recovery
P5H0625	SVOCs	Pentachlorophenol	LW022D	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW023D	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	X	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW029D	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW029S	6	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW030D	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW030S	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW042S	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	Z	5	UJ	Laboratory estimated method reporting limit
P5H0625	SVOCs	Pentachlorophenol	LW045D	5	UJ	Laboratory estimated method reporting limit
P5H0701	SVOCs	Pentachlorophenol	LW032D	6	UJ	Laboratory estimated method reporting limit
P5H0701	SVOCs	Pentachlorophenol	LW032S	5	UJ	Laboratory estimated method reporting limit
P5H0701	SVOCs	Pentachlorophenol	LW033S	5	UJ	Laboratory estimated method reporting limit
P5H0701	SVOCs	Pentachlorophenol	LW034S	5	UJ	Laboratory estimated method reporting limit

TABLE 1
SUMMARY OF DATA VALIDATION QUALIFIERS
TIME OIL NORTHWEST TERMINAL
3RD QUARTER 2005 GROUNDWATER ANALYTICAL RESULTS

Package Number	Analysis	Analyte	Sample Number	Concentration	Qualifier	Reason
P5H0734	SVOCs	Pentachlorophenol	LW019S	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW031S	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW036D	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW037D	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW038D	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	Y	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW039D	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW040D	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW043S	5	UJ	Laboratory estimated method reporting limit
P5H0734	SVOCs	Pentachlorophenol	LW044S	5	UJ	Laboratory estimated method reporting limit
P5H0813	SVOCs	Pentachlorophenol	LW020D	5	UJ	Laboratory estimated method reporting limit
P5H0813	SVOCs	Pentachlorophenol	LW020S	5	UJ	Laboratory estimated method reporting limit
P5H0813	SVOCs	Pentachlorophenol	LW024D	5	UJ	Laboratory estimated method reporting limit
P5H0813	SVOCs	Pentachlorophenol	LW025D	5	UJ	Laboratory estimated method reporting limit
P5H0813	SVOCs	Pentachlorophenol	LW035D	5	UJ	Laboratory estimated method reporting limit
P5H0814	SVOCs	Pentachlorophenol	LW001D	5	UJ	Laboratory estimated method reporting limit
P5H0814	SVOCs	Pentachlorophenol	LW001S	5	UJ	Laboratory estimated method reporting limit
P5H0852	SVOCs	Pentachlorophenol	LW026D	5	UJ	Laboratory estimated method reporting limit
P5H0852	SVOCs	Pentachlorophenol	LW027D	5	UJ	Laboratory estimated method reporting limit
P5H0852	SVOCs	Pentachlorophenol	N	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	B1	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	B2	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	LW006D	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	LW009D	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	P	5	UJ	Laboratory estimated method reporting limit
P5H1000	SVOCs	Pentachlorophenol	Q	5	UJ	Laboratory estimated method reporting limit

U = Indicates the compound was analyzed for, but was not detected above the given reporting limit.
UJ = Indicates the compound was analyzed for; the given detection limit is an estimate.
J = Indicates the compound was analyzed for and positively identified; the given value is an estimate.

APPENDIX D

Summary of Modifications to Quarterly Groundwater Analysis Program

APPENDIX D
SUMMARY OF MODIFICATIONS TO QUARTERLY GROUNDWATER ANALYSIS PROGRAM

A summary of modifications to the Phase II RI quarterly groundwater monitoring program for the Time Oil Northwest Terminal in Portland, Oregon is presented below by the date of first implementation. A reference list for the modifications is included.

- ***Second Quarter 1998*** (Landau Associates 1998; DEQ 1998):
  - Annual sampling of east property wells LW-101S, LW-102S, LW-103S, and LW-104S
  - Elimination of 2-chloroethylvinylether from the volatile analyte list
  - Reduction of the suite of metals analyses to include only arsenic, chromium, copper, lead, nickel, and zinc
  - Quarterly analysis of only metals in well K and only chlorinated phenols and metals in well H
  - Elimination of PCB analysis
  - Annual analysis for major ions; quarterly analysis for chloride and dissolved oxygen.

- ***First Quarter 1999*** (Landau Associates 1999; Urbanowicz, K., 12 February 1999, personal communication):
  - Analysis of polycyclic aromatic hydrocarbons (PAHs) using analytical techniques that provide lower detection limits at upper zone wells LW-2S, LW-7S and LW-101S and at lower zone wells G1A, O, and LW-4D for the first quarter 1999 event only
  - Elimination of sampling at well J3.

- ***Second Quarter 2000*** (Landau Associates 2000a; DEQ 2000):
  - Elimination of dioxin/furan analyses.

- ***Third Quarter 2000*** (Landau Associates 2000b; Roick 2000):
  - Reduction of sampling frequency of wells H, L, and LW-5S from quarterly to annually.

- ***Second Quarter 2001*** (Landau Associates 2001a, 2001b; Roick 2001):
  - Reduction of the list of chlorinated phenols being analyzed by EPA Method 8040 to pentachlorophenol (PCP) only using EPA Method 8270 SIM
  - Reduction of the frequency of total petroleum hydrocarbon (TPH) analysis from quarterly to annually at upper zone wells J1 and LW-1S; lower zone wells B2, J2, LW-1D; and deep sand unit well LW-12D2. In addition, TPH analysis was eliminated for the following wells: upper zone wells D, L, LW-5S, LW-101S through -104S, and lower zone well LW-3D.

- ***First Quarter 2004*** (Landau Associates 2004; Roick 2005):
  - Elimination of eight wells from the Phase II sampling program for future events. These wells included five upper zone wells (H, K, L, LW-1S, and LW-5S), and three lower zone wells (O, R, LW-1D).

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- Reduction of the monitoring frequency for selected Phase II wells from quarterly to semiannually. These wells include: B1, B2, D, J1, J2, LW-3D, LW-4S, LW-4D, LW-11S, LW-11D, LW-13S, LW-14D, LW-17D, LW-18D, OX-1S through OX-8S, OX-8D, and RW-1. Semiannual sampling of these wells will be conducted in conjunction with the first and third quarter sampling of the Phase III wells.

REFERENCES

DEQ. 2005. Letter: *Recommendation for Reduction of Sampling Frequency, Phase II Monitoiring Wells, Time Oil Northwest Terminal.* From Thomas E. Roick, Oregon Department of Environmental Quality, to Mark Chandler, Time Oil Co. July 26.

DEQ. 2000. Letter: *Dioxin/Furans Groundwater Analysis, Time Oil Northwest Terminal.* From Thomas E. Roick, Oregon Department of Environmental Quality, to Kevin Murphy, Time Oil Co. May 18.

DEQ. 1998. Letter: *Groundwater Quality Sampling, Time Oil Co. Northwest Terminal.* From Karla Urbanowicz, Oregon Department of Environmental Quality, to Kevin Murphy, Time Oil Co. May 15.

Landau Associates. 2004. *Letter: Recommendation for Reduction of Sampling Frequency, Phase II Monitoring Wells, Time Oil Northwest Terminal.* To Tom Roick, Oregon Department of Environmental Quality. February 2.

Landau Associates. 2001a. Letter: *Recommendation for Reduction of Analyses, Time Oil Northwest Terminal, Portland, Oregon.* To Tom Roick, Oregon Department of Environmental Quality. January 30.

Landau Associates. 2001b. Letter: *Recommendation for Reduction of TPH Analyses, Time Oil Northwest Terminal, Portland, Oregon.* To Tom Roick, Oregon Department of Environmental Quality. May 17.

Landau Associates. 2000a. Letter: *Discontinuing Dioxin/Furan Analyses, Time Oil Northwest Terminal, Portland, Oregon.* To Tom Roick, Oregon Department of Environmental Quality. May 16.

Landau Associates. 2000b. Letter: *Recommended Reduction of Wells for Quarterly Monitoring, Time Oil Northwest Terminal, Portland, Oregon.* To Tom Roick, Oregon Department of Environmental Quality. August 9.

Landau Associates. 1999. Letter: *Time Oil Northwest Terminal, Portland, Oregon.* To Karla Urbanowicz, Oregon Department of Environmental Quality. January 21.

Landau Associates. 1998. Letter: *Time Oil Northwest Terminal, Portland, Oregon.* To Karla Urbanowicz, Oregon Department of Environmental Quality. May 4.

Roick, T.E. 2001. E-mail message from Thomas E. Roick, Oregon Department of Environmental Quality, to Rebekah Brooks, Landau Associates. Re: *Reduction of Total Petroleum Hydrocarbon Analysis, Time Oil Co. Northwest Terminal.* May 30.

Roick, T.E. 2000. E-mail message from Thomas E. Roick, Oregon Department of Environmental Quality, to Rebekah Brooks, Landau Associates. Re: *Time Oil Groundwater Monitoring.* August 15.

Urbanowicz, K. 12 February 1999. Personal communication (telephone conversation with Rebekah Brooks, Landau Associates, Edmonds, Washington). Re: *Approval of Additional Modification to Groundwater Sampling and Analysis Program, Time Oil Northwest Terminal, Portland, Oregon.* Karla Urbanowicz, Oregon Department of Environmental Quality, Portland, Oregon.

LWG
LOWER WILLAMETTE GROUP

PORTLAND HARBOR RI/FS

COMPREHENSIVE ROUND 2 SITE CHARACTERIZATION SUMMARY AND DATA GAPS ANALYSIS REPORT

APPENDIX A

DATA SOURCES AND SITE CHARACTERIZATION/ RISK ASSESSMENT DATABASE

February 21, 2007

LWG
LOWER WILLAMETTE GROUP

PORTLAND HARBOR RI/FS

COMPREHENSIVE ROUND 2 SITE CHARACTERIZATION SUMMARY AND DATA GAPS ANALYSIS REPORT

APPENDIX A1
SEDIMENT CHEMISTRY SURVEY DESCRIPTIONS

February 21, 2007

Prepared for
The Lower Willamette Group

Prepared by
Integral Consulting Inc.

SEDIMENT CHEMISTRY SURVEY DESCRIPTIONS

Historical and concurrent sediment chemistry data in the project database were compiled from several sources, including the U.S. Environmental Protection Agency (EPA), Oregon Department of Environmental Quality (DEQ), U.S. Army Corps of Engineers (USACE), Port of Portland, and numerous private parties. The database was queried to select data of known quality (Category 1 QA1 or QA2) since May 1997. Further, only Category 1 QA2 sediment data were queried for use in the risk assessments (dredged and capped samples were removed). An exception to this selection process was the query needed to evaluate upriver (i.e., above RM 11) sediment quality. In order to maximize the size of the data set, both Category 1 and Category 2 data since 1997 were selected. For surveys completed since May 1997 and meet the selection criteria above, specifics about each survey are provided in the summaries below.

Other data from non-Lower Willamette Group (LWG) parties have also been included in either chemical distribution discussions (Section 6) or risk evaluations (Sections 8 and 9, Appendices F and G). These data include fish tissue data from EPA, the Oregon Department of Health Services (ODHS, and the Agency for Toxic Substances and Disease Registry (ATSDR), transition zone water (TZW) data from Siltronic, total suspended solids (TSS) data from the City of Portland, and seep data from Starlink Logistics (Outfall 22B). Of these surveys, only the TZW (for purposes of screening) and seep data have been used in risk assessment. The tissue and surface water data have been used to augment discussions of chemical distributions.

Each summary described herein includes information on the project objectives, sampling dates, sampling methods, sample types, and analyses for that survey. This information was obtained from the survey source document, and the reference is provided. Summary results (maximum and minimum concentrations) for selected chemicals in surface and/or subsurface sediments are also provided in each survey description. Minimum concentrations are reported as the lowest detected concentration or the reporting limit. Maximum concentrations are reported as the highest detected concentration, or, if all concentrations are undetected, the highest reporting limit. Total PCBs are Aroclors unless otherwise noted. Sampling locations for each Category 1 sediment survey can be found on Map 2.1-1 (surface sediments) and Map 2.1-3 (subsurface locations). As appropriate, the location of the maximum concentration is also provided.

Each data set was reviewed to characterize the quality of the data prior to entry in the database and to ensure that the data were appropriate for use in the RI/FS. Additional information on the data and review process is provided in Section 2 of this Comprehensive Round 2 Report or in the Programmatic Work Plan (Integral et al. 2004).

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WLTASE03. ODHS/EPA/ATSDR Fish Contaminant Study (Prepared by ODHS, USEPA and ASTDR, 2003). A1-80

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WLCGSG04. Draft Removal Action Completion Report, NW Natural "Gasco" Site Portland, OR (Prepared by Anchor Environmental L.L.C., January 2006).

This investigation consisted of the collection of surface sediment samples in order to characterize the post-dredge surface sediment at the "Gasco" Site in Portland, OR (RM 6.5). Anchor Environmental LLC collected the sediment samples on October 19, 2005, immediately following the completion of sediment removal and prior to cap placement.

Surface sediment samples were collected from 15 locations (RAA-PD01-05019 through RAA-PD01-05033) within the pilot cap and fringe cover areas. A rinsate blank and homogenization duplicate were collected and analyzed for the same analytes as the 15 sample locations. All sediment samples were analyzed for total organic carbon (TOC); total solids; grain size; benzene, toluene, ethylbenzene, and xylenes (BTEX); polycyclic aromatic hydrocarbons (PAHs); semivolatile organic compounds (SVOCs); total petroleum hydrocarbons (TPH); cyanide; and total metals.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.7	3.2 (RAA-17 RM 6.24)
Cadmium (mg/kg)	na	na
Copper (mg/kg)	14.1	28.6 (RAA-12 RM 6.25)
Lead (mg/kg)	3.47	26.1 (RAA-02 RM 6.33)
Mercury (mg/kg)	na	na
Zinc (mg/kg)	41.5	79.9 (RAA-14 RM 6.29)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	8.3 J	100,000 U (RAA-02 RM 6.33)
Total LPAH (µg/kg)	482.4 TA	12,230,000 TA (RAA-14 RM 6.29)
Total HPAH (µg/kg)	239.6 TA	6,583,000 TA (RAA-14 RM 6.29)
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	1.3 J	81,000 (RAA-14 RM 6.29)
4-Methylphenol (µg/kg)	10 U	5,000 U (RAA-02 RM 6.33)
Diesel range hydrocarbons (mg/kg)	17 J	51,000 (RAA-14 RM 6.29)
Xylenes (µg/kg)	1	32,000 (RAA-14 RM 6.29)

Notes: (The notes below apply to all tables in this appendix.)
na - Not analyzed.
A - Detected quantities of analytes added together as defined in WAC 173-204-320 for LPAH and HPAH, as in USACE et al. (2000) for DDT, and for all Aroclors or congeners for PCB.
B - Analyte found in associated blank.
E - Estimated because of the presence of interference.
G - Estimate is greater than value shown.
H - Holding time exceeded.
HPAH - High- molecular-weight polycyclic aromatic hydrocarbon.

J -Associated value is an estimate.
LPAH - Low-molecular-weight polycyclic aromatic hydrocarbon.
T - Value calculated or selected from multiple results.
TBT – Tributyltin.
U – Undetected at detection limit shown.
UA - All summed analytes undetected, high detection limit shown.
V - In diesel range but doesn't match diesel standard.
Z – Data qualifier indicating that characteristic profiles for petroleum hydrocarbon fuels and lubricants were not apparent.

WLCDRD05. Vol. 1 Dredge Material Management Plan Sediment Characterization Report, Lower Willamette River Federal Navigation Channel (Prepared by Tetra Tech EC Inc., January 2006).

Tetra Tech conducted this investigation for the USACE in order to characterize the Lower Willamette River Federal Navigational Channel (FNC) sediments from RM 0 to RM 11.6 that are planned for future dredging operations and that were not been previously characterized. This sediment characterization report will support the development of an integrated Dredged Material Management Plan (DMMP) and National Environmental Policy Act (NEPA) document for maintenance of the currently maintained FNC for the next 20 years. The chemical, physical, and biological data presented in this sediment characterization report will be used to evaluate sediment quality in sediment above the channel operating depths for determining appropriate disposal options when dredging becomes possible.

Tetra Tech personnel collected a total of 154 sediment samples, which included 72 sediment core samples, 79 grab samples, and 3 reference grab samples, from April 28 through May 27, 2005. The 72 subsurface sediment sample locations were chosen based on areas subject to future dredging and the 79 surface sediment locations were located adjacent to core locations to characterize potential "sloughing material" during dredging. The surface sediment samples were collected using an air-powered 0.2-m^2 van Veen grab sampler, capable of penetrating surface sediment down to 30 cm. The subsurface sediment samples were collected with a custom-built vibracorer. Each individual core was composited in its entirety up to the proposed dredge depth. A sample from the first 2 ft below the maximum dredging depth (-42 to-44 ft CRD) from each individual core was composited and archived. Because Tier III bioassay testing is required when sediment chemistry results exceed dredged material evaluation framework (DMEF) screening levels (SLs), a minimum of 4 L of sediment from each core location was collected in case it became necessary to conduct biological testing. The subsurface sediment cores were penetrated to -44 ft CRD. This enabled the samplers to take samples to the maintenance depth of –40 ft CRD, including the 2 ft advanced maintenance and a sample from the first 2 ft below the dredging maximum depth. The -42 to -44 ft CRD samples from each individual core were archived for possible future analysis.

All subsurface, surface, and reference sediment samples were analyzed for conventional parameters (ammonia as nitrogen, total sulfide, and TOC), metals, butyltins, TPH, SVOCs,

PAHs, phenols, selected chlorinated hydrocarbons, miscellaneous compounds, phthalates, pesticides, and PCBs. At selected locations, samples were anaylzed for chlorinated herbicides (10 locations including the 3 reference locations), dioxin/furans (13 locations and the 3 reference locations), butyltins in dry weight (11 locations including the 3 reference locations), and VOCs (21 locations including the 3 reference locations).

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.04	12.6 (WR-VC-110 RM 10.4)
Cadmium (mg/kg)	0.126	1.23 (WR-VC-116 RM 10.7)
Copper (mg/kg)	16.2	523 J (WR-VC-110 RM 10.4)
Lead (mg/kg)	8.33	348 (WR-VC-110 RM 10.4)
Mercury (mg/kg)	0.025 J	0.698 (WR-VC-110 RM 10.4)
Zinc (mg/kg)	47 J	342 J (WR-VC-110 RM 10.4)
TBT (µg/L)	0.00098 U	1.2 (WR-VC-62 RM 10.4)
bis(2-ethylhexyl)phthalate (µg/kg)	14 J	18,000 (WR-VC-110 RM 10.4)
Total LPAH (µg/kg)	9.5 TA	498,000 TA (WR-VC-50 RM 6.32)
Total HPAH (µg/kg)	105 TA	405,000 TA (WR-VC-50 RM 6.32)
Total PCBs (µg/kg)	8.8 TA	2,400 TA(WR-VC-108 RM 10.3)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1.26 T	1,230 T (WR-VC-28 RM 4.81)
Dibenzofuran (µg/kg)	0.38 J	12,000 (WR-VC-50 RM 6.3)
4-Methylphenol (µg/kg)	4.1 U	150 (WR-VC-118 RM 10.8)
Diesel range hydrocarbons (mg/kg)	20 J	6,000 J (WR-VC-50 RM 6.32)
Xylenes (µg/kg)	na	na

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.54	6.79 (WR-PG-42 RM 5.5)
Cadmium (mg/kg)	0.09 U	0.5 (WR-PG-23 RM 5.58)
Copper (mg/kg)	6.19 J	138 J (WR-PG-27 RM 5.79)
Lead (mg/kg)	2.75	72 J (WR-PG-104 RM 9 .6)
Mercury (mg/kg)	0.008 J	4.84 (WR-PG-27 RM 5.79)
Zinc (mg/kg)	33 J	220 J (WR-PG-25 RM 5.58)
TBT (µg/kg)	0.087 U	350 (WR-PG-23 RM 5.58)
TBT (µg/L)	0.0006 U	0.26 (WR-PG-52 RM 6.39)
bis(2-ethylhexyl)phthalate (µg/kg)	11 U	3,200 (WR-PG-52 RM 6.39)
Total LPAH (µg/kg)	1 TA	36,900 TA (WR-PG-50 RM 6.33)
Total HPAH (µg/kg)	17 TA	84,300 TA(WR-PG-42 RM 5.5)
Total PCBs (µg/kg)	1.7 UTA	330 UTA (WR-PG-68 RM 7.19)
2,3,7,8,-TCDD (ng/kg)	0.047 U	1.68 (WR-PG-60 RM 6.79)
Total DDT (µg/kg)	0.52 TA	1,050 TA (WR-PG-68 RM 7.19)

Parameter	Minimum	Maximum (Location)
Dibenzofuran (µg/kg)	0.22 U	450 (WR-PG-24 RM 4.63)
4-Methylphenol (µg/kg)	3.7 U	370 (WR-PG-120 RM 10.9)
Diesel range hydrocarbons (mg/kg)	4.3 U	840 J (WR-PG-52 RM 6.39)
Xylenes (µg/kg)	0.21 UT	4 T (WR-PG-50 RM 6.3)

WLCEMH04. Technical Memorandum ExxonMobil Beach Sediment Sheen Sample, Portland, OR (Prepared by Kleinfelder, September 2004).

This investigation consisted of surface sediment sampling during two separate investigations of an oily sheen at the Shore Terminal (ST) Services Portland Terminal (former ExxonMobil Portland Terminal). During a routine site inspection by ExxonMobil personnel in the fall of 2003, the appearance of sheen was noted on the beach in front of the facility. Again, on August 13, 2004, DEQ personnel observed sheen in two areas: one in a boomed area where ST has a stormwater discharge pipe and the other along the riverbank within pooled water and sands.

On October 6, 2003, Kleinfelder collected two composite samples (COMP1-100603 and COMP2-100603) of the beach material. The two sediment samples were analyzed for gasoline-, diesel-, and heavy-oil-range hydrocarbons. On August 13, 2004, Kleinfelder personnel collected two additional composite sediment samples (COMP-1-081304 and COMP-2-081304). The two sediment samples were analyzed for gasoline-, diesel-, and heavy-oil-range hydrocarbons.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	na	na
Total HPAH (µg/kg)	na	na
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	50 U	50 U (COMP2-081304 RM 5.16)
Xylenes (µg/kg)	na	na

WLCT4C04. Terminal 4 Early Action EE/CA Report Public Review Draft, Appendix E—Summary of Sediment Quality Characteristics, Port of Portland, Portland, OR (Prepared by Blasland, Bouck & Lee, Inc., May 2005).

Appendix E in the Terminal 4 EE/CA report presents an evaluation of the sediment data and sediment lithology, surface, under-pier, and subsurface sediment distributions of chemicals of potential concern; and a comparison of sediment data to sediment quality guidelines. The report defines surface sediment as sediment samples collected from 0 to 1 ft below mudline, and subsurface sediment collected 1 ft below the mudline. The Removal Action Area was separated into sub-areas in order to facilitate discussion on the sediment data. The subareas are Berth 401, Slip 1; Wheeler Bay, Slip 3; and North of Berth 414.

Historical sediment data presented in the Terminal 4 Early Action EE/CA work plan were compared to EE/CA sediment data collected as part of the Terminal 4 Early Action EE/CA. All of the historical data were acquired from the National Oceanic and Atmospheric Administration Query Manager 2.51 database for Terminal 4 of the Willamette River. The data comparison included the following compounds: metals, total PAHs, phthalates, ∑ DDTs, Total PCBs, TPH as diesel-range hydrocarbons (DRH), TPH as heavy-oil-range hydrocarbons, and TPH as gasoline-range hydrocarbons. Data were compared to determine whether similar compounds were detected in historical and EE/CA data, whether compounds were detected in similar locations in historical and EE/CA data, and whether the range of concentrations was similar between historical and EE/CA data.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.2	15.1 (T4-VC24 RM 4.63)
Cadmium (mg/kg)	0.09	10.1 (T4-UP13 RM 4.42)
Copper (mg/kg)	9.3 J	72.4 J (T4-VC24 RM 4.47)
Lead (mg/kg)	2.64	1,950 (T4-UP07 RM 4.47)
Mercury (mg/kg)	0.009 B	0.163 (T4-STS3E RM 4.58)
Zinc (mg/kg)	38.6 J	2,050 J (T4-UP13 RM 4.42)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	20 U	1,700 (T4-STS1 RM 4.46)
Total LPAH (µg/kg)	1.35 TA	117,953 TA (T4-VC24 RM 4.48)
Total HPAH (µg/kg)	16.42 TA	555,400 TA (T4-VC24 RM 4.48)
Total PCBs (µg/kg)	2.9 JA	820 A (T4-VC13 RM 4.69)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.26 TA	65 TA (T4-VC13 RM 4.69)
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	9.1 J	360 J (T4-UP13 RM 4.74)
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.9	23.3 (T4-VC32 RM 4.64)
Cadmium (mg/kg)	0.037 B	3.4 (T4-VC15 RM 4.65)
Copper (mg/kg)	9.42 J	98.5 J (T4-PS21 RM 4.64)
Lead (mg/kg)	1.95	3,130 J (T4-PS21 RM 4.63)
Mercury (mg/kg)	0.008 B	2.15 (T4-VC22 RM 4.65)
Zinc (mg/kg)	27.3 J	654 J (T4-VC15 RM 4.65)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	9.8 U	3,000 (T4-VC20)
Total LPAH (µg/kg)	0.22 TA	11,834 TA (T4-VC19)
Total HPAH (µg/kg)	0.15 TA	106,600 TA (T4-VC19)
Total PCBs (µg/kg)	3.3 JA	1,000 A (T4VC29 RM 4.38)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.07 TA	158.1 TA (T4-VC29 RM 4.38)
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	9.6 J	620 J (T4-VC31 RM 4.65)
Xylenes (µg/kg)	na	na

WLCDRI03. Willamette River Federal Navigational Channel Operation & Maintenance Sediment Characterization Report Portland, OR (Prepared by Hart Crowser, June 2004).

Hart Crowser conducted this study for the USACE, Portland District, to characterize sediments proposed for dredging and to ensure residual sediments do not cause increased environmental risk. The USACE proposes to dredge up to 1,052,600 cy of sediments within the Willamette River FNC (RM 3, 8-10, 15, 23). Subsurface sediment coring was completed using a vibracorer at 53 locations between September 18 and 23, 2004. Reference sediment samples from two locations in the LWR were collected using an air-powered van Veen Grab sampler on September 25, 2003.

Subsurface sediment samples were collected from 53 locations (HC-VC-01 through HC-VC-53) and divided into 19 dredge prisms (CSS1 through CSS19) identified as Composite Sediment Samples (CSSs). All 19 CSSs and the two reference sediment samples (HC-REF-01 and HC-REF-02) were analyzed for conventional parameters (grain size, total volatile solids, total solids, ammonia, sulfide, and TOC), metals, TBT, SVOCs, PAHs, phenols, chlorinated hydrocarbons, phthalates, pesticides, and PCBs.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.4 J	4.6 J (C04-06 RM 8.02)
Cadmium (mg/kg)	0.18 J	0.43 (C01-03 RM 2.25)

Parameter	Minimum	Maximum (Location)
Copper (mg/kg)	26.3 J	116 J (C04-06 RM 8.02)
Lead (mg/kg)	10.5	24.9 (C07-08 RM 7.63)
Mercury (mg/kg)	0.04	0.25 (C21-23 RM 8.82)
Zinc (mg/kg)	72.7 J	133 J (C04-06 8.02)
TBT (µg/L)	0.0039 U	3.9 (C04-06 8.02)
bis(2-ethylhexyl)phthalate (µg/kg)	39 J	560 (C04-06 RM 8.02)
Total LPAH (µg/kg)	13.1 JA	528 A (C01-03 RM 2.25)
Total HPAH (µg/kg)	66.5 A	831 A (C04-06 RM 8.02)
Total PCBs (µg/kg)	5.1 JA	32 A (C07-08 RM 7.63)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2.31 A	16.6 A (C07-08 RM 7.63)
Dibenzofuran (µg/kg)	2.2 U	13 (C01-03 RM 2.25)
4-Methylphenol (µg/kg)	8.7 J	94 (C27-29 RM 8.84)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.5 J	2.9 J (HC-REF-01 RM 15.5)
Cadmium (mg/kg)	0.21	0.21 (HC-REF-02 RM 23.2)
Copper (mg/kg)	30.4	30.7 (HC-REF-01 RM 15.5)
Lead (mg/kg)	7.18	7.48 (HC-REF-01 RM 15.5)
Mercury (mg/kg)	0.03	0.03 (HC-REF-02 RM 23.2)
Zinc (mg/kg)	67.4 J	68.5 J (HC-REF-01 RM 15.5)
TBT (µg/L)	0.0039 U	0.0039 U (HC-REF-02 RM 23.2)
bis(2-ethylhexyl)phthalate (µg/kg)	3.2 UJ	29 J (HC-REF-02 RM 23.2)
Total LPAH (µg/kg)	13.8 A	14.8 A (HC-REF-01 RM 15.5)
Total HPAH (µg/kg)	42.75 A	49.95 A (HC-REF-01 RM 15.5)
Total PCBs (µg/kg)	3.4 UA	4.7 JA (HC-REF-02 RM 23.2)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1.74 A	2.39 A (HC-REF-01 RM 15.5)
Dibenzofuran (µg/kg)	2.5 UJ	2.6 UJ (HC-REF-02 RM 23.2)
4-Methylphenol (µg/kg)	5.5 UJ	6.4 J (HC-REF-02 RM 23.2)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCGNG03. Gunderson, Inc. Area 2 - Sandy Beach Area Upland Source Evaluation (Prepared by Squier|Kleinfelder, February 2004).

Squier|Kleinfelder collected surface soil samples as part of the Area 2 Expanded Preliminary Assessment. Collections were performed on July 8, 2003. The stations were located on two sandy beaches in Area 2, which is also known as the Rail Car and Marine Barge Assembly Area. Samples were identified as A2GS-9 through A2GS-12. Samples were collected near the former launchways (A2GS-9 and A2GS-10) and near City of Portland Outfall 18 (A2GS-11 and A2GS-12).

Surface soil samples were collected with a decontaminated, stainless steel trowel. Samples were analyzed for petroleum hydrocarbons (gasoline range, diesel range, and heavy hydrocarbons), SVOCs (PAHs, phthalates, phenols), VOCs, PCBs, metals, and butyltins.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	10.8	79.6 (A2GS10)
Cadmium (mg/kg)	0.373 U	0.442U (A2GS09)
Copper (mg/kg)	52	400 (A2GS10)
Lead (mg/kg)	116	343 (A2GS10)
Mercury (mg/kg)	0.0833 U	0.25 (A2GS12)
Zinc (mg/kg)	264	1,140 (A2GS10)
TBT (µg/L)	2.99 U	1,830 (A2GS12)
bis(2-ethylhexyl)phthalate (µg/kg)	10,000 U	40,000 U (A2GS12)
Total LPAH (µg/kg)	58.7 T	6,790 T (A2GS12)
Total HPAH (µg/kg)	71.1 T	19,600 T (A2GS12)
Total PCBs (µg/kg)	68.3 T	606 T(A2GS12)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	1,650 U	6,600 U (A2GS12)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	25 U	50 (A2GS12)
Xylenes (µg/kg)	200 UT	200 UT (A2GS09)*

* There were several samples with this maximum value.

WLCITC03. International Terminals Sediment Data Report Portland, OR (Prepared by Floyd Snider McCarthy, Inc., June 2003).

This investigation consisted of sediment sampling to provide sediment quality data to aid in dredge design so that the post-dredge surface can be considered acceptable at the International Terminals Slip. Berths 1 through 3 are located within the International Terminals Slip adjacent to the Burgard Industrial Yard, and Berths 4 and 5 are located on the river side of the facility.

Floyd Snider McCarthy personnel collected six cores from March 11-13, 2003, using the MudMole™ pneumatic core sampler. The sampler is made up of a 4-in.-square aluminum coring tube. Twenty core tubes, each 1 ft long, were used at all sampling locations. Cores SDC-SS01 and SDC-SS02 were located within Berths 4 and 5, and cores SDC-SS03 through SDC-SS06 were located within the International Terminals Slip.

Two composites per core were homogenized. One composite consisted of a section from the mudline to the bottom of the proposed dredge cut. The bottom section of the core consisted of the top section of sediment to be exposed by the proposed dredge cut. This section of the core sample was sectioned into 1-ft-long segments and submitted for analysis.

Subsurface Core ID	Berths	Composite Sample ID	Approximate Interval (Relative to CRD)	Interval Description
SDC-SS01	4 & 5	-000007	Surface to -38	Sample Depth is Surface to -42
		-007010C	-38 to -41	
		-010011	-41 to -42	
SDC-SS02	4 & 5	-000013	Surface to -36	Sample Depth is Surface to -42
		-013014	-36 to -37	
		-014015	-37 to -38	
		-015017C	-38 to-40	
		-017018	-40 to -41	
		-018019	-41 to -42	
SDC-SS03R2	1-3	-000001	Surface to -41	Sample Depth is Surface to -46
		-001002	-41 to -42	
		-002004C	-42 to -44	
		-004005	-44 to -45	
		-005006	-45 to -46	
SDC-SS04	1-3	-000008	Surface to -38	Sample Depth is Surface to -38
SDC-SS05	1-3	-000012	Surface to -38	Sample Depth is Surface to -39
		-012013	-38 to -39	
		-013014	-39 to -40	
		-014016C	-40 to -42	
SDC-SS06	1-3	-000007	Surface to -38	Sample Depth is Surface to –43
		-007008	-38 to -39	
		-008010C	-39 to -41	
		-010011	-41 to -42	
		-011012	-42 to -43	

All composite sediment samples were analyzed for conventional parameters (grain size, total solids, TOC), metals, TBT, SVOCs, chlorinated pesticides, chlorinated hydrocarbons, and PCBs. Screening for PAHs was performed on core segments in order to characterize the post-dredge sediment surface quality. After the proposed station, SDC-SS07, was abandoned

due to poor recovery, it was determined that station SDC-SS06 could be considered representative of this area.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.1	3.18 (SDC-SS02 RM 3.86)
Cadmium (mg/kg)	0.04 J	0.48 (SDC-SS01 RM 4.02)
Copper (mg/kg)	11.8	29.3 (SDC-SS06 RM 3.86)
Lead (mg/kg)	2.28	30.5 (SDC-SS06 RM 3.86)
Mercury (mg/kg)	0.01 J	0.25 (SDC-SS02 RM 3.86)
Zinc (mg/kg)	33	107 (SDC-SS01 RM 4.02)
TBT (µg/kg)	0.46 UJ	150 (SDC-SS01 RM 4.02)
bis(2-ethylhexyl)phthalate (µg/kg)	5 J	770 J (SDC-SS01 RM 4.02)
Total LPAH (µg/kg)	0.28 UTA	3,540 A (SDC-SS02 RM 3.86)
Total HPAH (µg/kg)	0.24 UTA	7,982 JA (SDC-SS02 RM 3.86)
Total PCBs (µg/kg)	2.3 UA	300 A (SDC-SS06 RM 3.86)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.22 U	37 J (SDC-SS02 RM 3.86)
Dibenzofuran (µg/kg)	0.26 U	110 (SDC-SS02 RM 3.86)
4-Methylphenol (µg/kg)	3.7 U	190 (SDC-SS02 RM 3.86)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCEAF02. Phase II Stage 1 & 2 In-River Groundwater and Sediment Investigation Report Volume 1 Report and Appendix A Portland, OR (Prepared by Integral Consulting, Inc., December 2003).

This investigation characterized the nature and extent of chemicals of interest (COIs) in groundwater and sediments that are downgradient of the existing monitoring well network, at the Arkema facility in Portland, OR (RM 8). The Phase II Stage 1 investigation was conducted from June 3-12, 2002, with seven boreholes (WB-1 through WB-7) advanced between Docks 1 and 2. The findings from the Stage 1 investigation were used as part of the criteria for choosing borehole locations for the Stage 2 investigation (WB-8 through WB-25). Eighteen boreholes were advanced during the Phase II Stage 2 investigation, which was conducted from February 17 through March 10, 2003.

Stage 1 subsurface sediment samples were collected using a square aluminum sediment sampler for the shallowest interval, and Geoprobe® Macrocore samplers for the deeper sediments. Boreholes WB-1 through WB-5 were advanced using a standard Geoprobe® push-probe rig. Due to a structural weight-load limitation on a portion of Dock 1, borehole WB-6 was advanced using a smaller Geoprobe® push-probe unit attached to the bed of a standard pickup truck. Borehole WB-7 was advanced on a narrow walkway on Dock 1 using a portable tripod Geoprobe® unit. Stage 2 subsurface sediment samples were advanced using

a Geoprobe® push-probe rig mounted on a barge. Most boreholes were advanced through a moon hole in the approximate center of the barge, and in shallow water areas the Geoprobe® rig was mounted on the back of the barge.

Sediments were continuously sampled for lithologic description and, where possible, were field screened for 4,4'-DDT using thin-layer chromatography (TLC) methods, VOCs using an organic vapor meter (OVM), and NAPL using Sudan IV® hydrophobic dye. A total of 174 samples, from both Stage 1 and Stage 2 sampling events, were field screened and 40 sediment samples were sent to an analytical laboratory for pesticide analysis. If a sufficient volume of sediment was collected, sediment cores were composited over approximate 2-ft intervals.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	na	na
Total HPAH (µg/kg)	na	na
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	6.2 UTA	4,764,000 TA (WB-9 RM 7.34)
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCOFJ02. Source Control Sediment Investigation for the City of Portland Outfalls, Portland, OR (Prepared by CH2M Hill, January 2004).

The purpose of this investigation was to evaluate sediment quality during dry weather conditions in the Willamette River at 18 combined sewer overflow (CSO) outfalls, within the Portland Harbor Superfund site, RM 5-10. These data will be used to identify City outfalls which may be serving as conduits for contamination from upland sources, to identify potential upland sources of contaminants, to guide source control efforts, and to identify data needs for evaluations of the Portland Harbor Superfund site under CERCLA.

Surface sediment samples were collected between October 14 and 23, 2002 in the immediate vicinity of the outfalls and were generally spaced 50 to 100 ft apart. The type of sampling vessels used depended on sample station location characteristics. CH2M Hill personnel used either a 34-ft or a 28-ft shallow-draft vessel, and for locations where these two boats could not fit, a 12-ft steel-framed raft. Surface sediment (upper 15 cm) grab samples were collected using a stainless steel 0.1-m^2 van Veen grab sampler for most samples, and a 0.025-m^2 van Veen grab sampler when sampling from the smaller boat or river bottom conditions necessitated.

Physical characteristics of the sediment samples were described and recorded in the field notebook, and included sediment texture, color, presence, type, odor, grab penetration depth, sediment surface disturbance, and any obvious abnormalities. Analyses included the conventional parameters of percent moisture, grain size, and TOC, and chemical parameters including metals, SVOCs, organochlorine pesticides, heavy oil and diesel-range hydrocarbons, PCBs, and chlorinated herbicides at one sample location per outfall. Additionally, chlorinated herbicide samples were collected at all four sampling locations in the vicinity of Outfall 22B.

Summary Data for Surface Samples.

Parameter	**Minimum**	**Maximum (Location)**
Arsenic (mg/kg)	1.49	83.5 (4804 RM 7.22)
Cadmium (mg/kg)	0.00159 U	46.2 (M0301 RM 8.9)
Copper (mg/kg)	12.8	772 B (19A01 RM 8.34)
Lead (mg/kg)	4.59	936 (M0301 RM 8.9)
Mercury (mg/kg)	0.0085 J	0.918 (4903 RM 6.45)
Zinc (mg/kg)	33.2	2,850 (M0301 RM 8.9)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	12.4 UT	33,200 JA (M0301 RM 8.9)
Total LPAH (µg/kg)	1.55 UTA	13,328 TA(M0304 RM 8.93)
Total HPAH (µg/kg)	6.73 TA	93,000 TA (M0304 RM 8.93)
Total PCBs (µg/kg)	0.21 JT	164 T (1902 RM 8.32)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.503 A	421.8 A (22B01 RM 6.95)
Dibenzofuran (µg/kg)	12.4 UT	2,150 UJ(M0301 RM 8.9)
4-Methylphenol (µg/kg)	24.8 UT	4,310 UJ (M0301 RM 8.9)
Diesel range hydrocarbons (mg/kg)	3.07	3,790 (1902 RM 8.32)
Xylenes (µg/kg)	na	na

WLCMBI02. Surface Water, Sediment, and Groundwater Sampling Report, McCormick & Baxter Creosoting Company Site Portland, OR (Prepared by Ecology and Environment, Inc., February 2003).

The purpose of this sediment investigation was to define the baseline conditions during low water conditions, before the construction of a subsurface barrier wall and sediment cap; to assess the relationship between bulk sediment chemistry and pore water chemistry; and to evaluate the protectiveness of the cap. The sampling event took place from September 5 to 26, 2002 at the McCormick & Baxter Creosoting Company Site, Portland, OR (RM 7 and 8).

The sediment samples were collected by two EPA Region 10 teams (shore and dive teams). The shore team collected sediment samples in water shallower than 3 ft, and the dive team collected samples from within the river. Samples were obtained by coring with a hand auger inside of a PVC pipe. Ten sediment samples (SED-1 through SED-9, and EPA [SH] 6) and one QC sample (SED-51[5A]) were collected at the site. All 11 subsurface sediment samples were analyzed for mercury, PAHs, and pentachlorophenol.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	0.02 U	0.627 (SED06 RM 6.97)
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	50.5 TA	244,562 TA (SED03 RM 6.87)
Total HPAH (µg/kg)	261.6 TA	133,523 TA (SED01 RM 6.79)
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	5.3	11,600 (EPASH06 RM 6.95)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCMRI02. Final Limited Sediment Investigation Report U.S. Government Moorings, Portland, OR (Prepared by URS, May 2003).

This investigation consisted of collecting surface and subsurface sediment samples in order to assess the chemical characteristics of the sediments within the U.S. Moorings berthing area and the approach channels where vessel maneuvering may resuspend sediments, and to

compare the results to downriver depositional sediment. The U.S. Moorings site is the homeport for the USACE hopper dredges and is located on the west bank of the Willamette River (RM 6.2).

URS Corporation staff collected the sediment samples from September 10 through 11, 2002. A gravity core sampler (barrel) and weight stand were staged on a boat deck attached to the hoist drop cable. General observations of the sediment core and material (grain size, gradations, odor, and the presence of NAPL) were recorded at each individual sample location. At a minimum, two cores per sample location were required to supply a sufficient volume of sediment to meet the analytical requirements. Three composite sediment samples, representing sediments from 0 to 3 ft below mudline, were collected from the potential scour areas: CS001 (Dock A), CS002 (Dock B), and CS003 (the downriver approach channel). Two composite sediment samples (CS004 and CS005) were collected from depositional areas downriver from the U.S. Moorings docks from the top 1-ft depth to represent recent sediment deposition. Five composite samples were submitted for chemical analysis of SVOCs, pesticides, PCBs, TBT, total metals, DRH, TOC, total cyanide, grain size, and total solids.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	9 U	10 U (CS002 RM 6.05)
Cadmium (mg/kg)	0.4	0.7 (CS003 RM 6.0)
Copper (mg/kg)	50	63 (CS002 RM 6.05)
Lead (mg/kg)	33	36 (CS001 RM 6.1)
Mercury (mg/kg)	0.09	0.43 (CS001 RM 6.1)
Zinc (mg/kg)	136	203 (CS003 RM 6.0)
TBT (µg/kg)	9 J	14 J (CS002 6.05)
bis(2-ethylhexyl)phthalate (µg/kg)	160 U	340 U (CS001 RM 6.1)
Total LPAH (µg/kg)	10,110 A	93,450 A (CS001 RM 6.1)
Total HPAH (µg/kg)	25,700 A	152,200 A (CS001 RM 6.1)
Total PCBs (µg/kg)	39 UT	49 UT (CS003 RM 6.0)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	23.9 TA	142 TA (CS003 RM 6.0)
Dibenzofuran (µg/kg)	180	980 (CS001 RM 6.1)
4-Methylphenol (µg/kg)	15 J	340 U (CS001 RM 6.1)
Diesel range hydrocarbons (mg/kg)	130 Z	2,100 JT (CS001 RM 6.1)
Xylenes (µg/kg)	na	na

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	10 UT	10 U (CS005RM 5.95)
Cadmium (mg/kg)	0.4 T	0.4 U (CS005 RM 5.95)
Copper (mg/kg)	44.5 T	47 (CS005 RM 5.95)

Parameter	Minimum	Maximum (Location)
Lead (mg/kg)	12.5 T	13 (CS005 RM 5.95)
Mercury (mg/kg)	0.08 UT	0.08 (CS005 RM 5.95)
Zinc (mg/kg)	101 T	104 (CS005 RM 5.95)
TBT (µg/kg)	3.1 J	3.45 JT (CS004 RM 6.0)
bis(2-ethylhexyl)phthalate (µg/kg)	110 UT	130 U (CS005 RM 5.95)
Total LPAH (µg/kg)	655 A	915 TA (CS004 RM 6.0)
Total HPAH (µg/kg)	3,301 A	4,460 TA (CS004 RM 6.0)
Total PCBs (µg/kg)	39 UTA	39 UTA(CS005 RM 5.95)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	11.7 TA	15.2 TA (CS004 RM 6.0)
Dibenzofuran (µg/kg)	15 J	18.5 JT (CS004 RM 6.0)
4-Methylphenol (µg/kg)	11 JT	15 J (CS005 RM 5.95)
Diesel range hydrocarbons (mg/kg)	52 Z	55.5 JT (CS004 RM 6.0)
Xylenes (µg/kg)	na	na

WLCOFH02. Source Control Pilot Project for the City of Portland Outfalls, Portland, OR (Prepared by CH2M Hill, August 2002).

The City of Portland initiated a pilot project to evaluate the impacts of stormwater discharge from City outfalls on sediment quality in the Willamette River. City outfalls M-1 and M-18 were selected as sediment sampling locations during the first phase of the pilot project. The purpose of the sampling was to determine whether chemical concentrations in sediment discharged from City outfalls warrant source investigation, identification, and control. In addition, information from sample analytical results was to be used to identify constituents of concern at these outfalls, which may be investigated further in a subsequent phase of the study.

Outfall M-1 is located in the Swan Island/Mocks Bottom basin or "lagoon." Outfall M-18 is located in the Guilds Lake Industrial Area, at the site of Gunderson Rail Services. Nine surface (0-15 cm) sediment samples were collected at both outfalls from locations spread in an array upstream, adjacent to, and downstream of each outfall. The samples were collected from August 20-22, 2002, either from a shallow-draft vessel (Boston Whaler) using a grab sampler or on foot in wading depths using hand tools. Analyses included the conventional parameters of percent moisture, total solids, TOC, and grain size, and chemical parameters including metals, SVOCs, organochlorine pesticides, herbicides, PCBs, and TPH.

The results for indicator chemicals are summarized in the following two tables. The first table summarizes results for samples collected off Outfall M-1; the second table summarizes results for samples collected off Outfall M-18. Results are reported on a dry-weight basis.

Summary Data for M-1 Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	2.81	8.98
Cadmium (mg/kg)	0.00927 U	1.89
Copper (mg/kg)	15 B	86.5 B
Lead (mg/kg)	5.45 B	57.6 B
Mercury (mg/kg)	0.0102 U	0.131
Zinc (mg/kg)	57 B	403 B
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	68.4 U	39,200 J
Total LPAH (µg/kg)	19.57 A	744 A
Total HPAH (µg/kg)	60.4 A	2,832 A
Total PCBs (µg/kg)	6.18 UA	338 A
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.635 UA	5.87 A
Dibenzofuran (µg/kg)	18.5 U	261 UJ
4-Methylphenol (µg/kg)	23.6 U	68 J
Diesel range hydrocarbons (mg/kg)	26.1 JV	777 V
Xylenes (µg/kg)	na	na

Summary Data for M-18 Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	4.36	9.76
Cadmium (mg/kg)	0.0638 J	0.897
Copper (mg/kg)	41 B	98.9 B
Lead (mg/kg)	60.6 B	210 B
Mercury (mg/kg)	0.0103 U	0.453
Zinc (mg/kg)	119 B	272 B
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	62.7 U	2700
Total LPAH (µg/kg)	40.1 A	1,186 A
Total HPAH (µg/kg)	92.2 A	3,106 A
Total PCBs (µg/kg)	64.7 A	640 A
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	20.1 A	178.5 A
Dibenzofuran (µg/kg)	17.7 U	45 J
4-Methylphenol (µg/kg)	22.6 U	72.4 J
Diesel range hydrocarbons (mg/kg)	16.2 JV	369 V
Xylenes (µg/kg)	na	na

WLCMCB02. MarCom Expanded Preliminary Assessment, Portland, OR (Prepared by Parametrix, 2002).

Parametrix performed an Expanded Preliminary Assessment (XPA) at the MarCom facility in Portland in 2002. The purpose of an XPA is to determine whether a site has experienced or may experience a release that could endanger human health or the environment. In addition to upland soil and groundwater samples, three sediment samples were collected in the nearshore area of the Willamette River adjacent to the facility. The samples were collected 1) near the southern boundary of the site near a stormwater outfall (SED-1), 2) midway along the shoreline near a second stormwater outfall (SED-2), and 3) near the northern boundary of the site inshore of an active marineways facility (SED-3).

The sediment sampling was conducted on February 8, 2002. The samples were collected from a surface interval of 0-15 cm using a Peterson-type clamshell sampler. Analyses included percent solids, total metals, organotins, and PAHs. The results for indicator chemicals are summarized in the following table, reported on a dry-weight basis.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	7.39	105 (SED-2)
Cadmium (mg/kg)	0.397 U	0.5 U (SED-3)
Copper (mg/kg)	118	1,150 (SED-2)
Lead (mg/kg)	35.2	577 (SED-1)
Mercury (mg/kg)	0.1 U	0.106 (SED-2)
Zinc (mg/kg)	225	2,010 (SED-2)
TBT (µg/kg)	43.7	819 (SED-2)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	239 A	668.7 A (SED-2)
Total HPAH (µg/kg)	2,224.3 A	5,090 A (SED-2)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCGXB02. Remedial Investigation Kinder Morgan Liquid Terminals, LLC, Linton Facility, Portland, OR (Prepared by KHM Environmental Management, Inc., October 2002).

This investigation consisted of two sediment samples (SED-1 and SED-3) collected along the base of the seawall in an apparent seep at Kinder Morgan Liquid (KML) Linnton Terminal in

Portland, OR (RM 4.5). The sediment samples were collected during field activities in January, February, and April of 2002 to assess the concentrations of COIs in nearshore areas.

The two surface sediment (0 to 6 in.) samples were collected using a hand shovel in the seep area along the riverbank. The sediment samples were analyzed for TPH in the gasoline, diesel, and heavy oil ranges;total BTEX and naphthalene; and total metals.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	2,000 U	16,000 U (SED03 RM 4.18)
Total LPAH (µg/kg)	15.4 TA	437 TA (SED03 RM 4.18)
Total HPAH (µg/kg)	155.1 TA	4,849 TA (SED03 RM 4.18)
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	330 U	2,640 U (SED03 RM 4.18)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	25 U	173 (SED03 RM 4.18)
Xylenes (µg/kg)	50 J	50 J (SED03 RM 4.18)

WLCT4L01. Dredged Material Characterization Study Marine Terminal 4, Slip 3 Portland, OR (Prepared by Hart Crowser, Inc., February 2002).

This investigation consisted of sediment sampling to characterize the quality of the newly exposed sediment in the Slip and the proposed dredge material for permitting and placement at a solid waste landfill, and to evaluate the potential water quality impacts associated with dredging operations. The target area for this sediment characterization study was Berth 410 at Terminal 4 Slip 3, located at approximately RM 5.

Hart Crowser, Inc. collected core samples on December 11 and 13, 2001. Sampling took place using a vibracorer deployed from the vessel, the *John B. Preston*. Three sediment cores (T4-VC-01, T4-VC-02, and T4-VC-03) were collected at Berth 410, depth-integrated up to the maximum removal depth of -42 ft CRD, and composited into T4-01-410-COMP, representing one dredged material management unit (DMMU). At each of the coring locations, between 1 and 4 ft of additional sediment was collected below the proposed dredge prism and tested or archived as discrete samples. These samples were catalogued as: subsample interval -42 to -43 ft CRD (T4-01-1A, T4-01-2A, and T4-013A, the "A" interval);

subsample interval -43 to -44 ft CRD (T4-01-1B, T4-01-2B, the "B" interval); and -44 to -45 ft CRD (T4-01-1C and T4-01-2C, the "C" interval).

Sample Location Berth 410	Subsample Interval Top	Subsample Interval Bottom	Sample ID	Sample Type
T4-VC-01				
	-38	-42	T4-01-410-COMP	Composite
	-42	-43	T4-01-1A	Discrete
	-43	-44	T4-01-1B	Discrete
	-44	-45	T4-01-1C	Discrete
T4-VC-02				
	-40	-42	T4-01-410-COMP	Composite
	-42	-43	T4-01-2A	Discrete
	-43	-44	T4-01-2B	Discrete
	-44	-45	T4-01-2C	Discrete
	-45	-46	T4-01-2D	Discrete
T4-VC-03				
	-40	-42	T4-01-410-COMP	Composite
	-42	-42.5	T4-01-3A	Discrete

The B and C intervals were analyzed for selected parameters, depending on the chemical testing results from the A interval. The composite sample (T4-01-410-COMP) and a duplicate of this sample (T4-01-Dup) and each discrete sample from the A interval were analyzed for: Lower Columbia River Management Area (LCMRA) metals, chlorinated pesticides, PCBs, SVOCs, TOC, and grain size (T4-410-COMP only). Samples T4-01-2B and T4-01-2C were analyzed for SVOCs and samples T4-01-1B, T4-01-1C, and T4-01-2B were analyzed for chlorinated pesticides and PCBs. In order to determine whether the dredged sediment would be designated as hazardous waste, sample T4-01-410-COMP and its duplicate were tested for toxicity characteristic leaching procedure (TCLP) metals, and sample T4-01-410-COMP and river supply water collected from the mouth of Slip 3 were submitted to the Hart Crowser Soils Lab to conduct the dredge elutriate test.

Subsurface sediment coring was proposed at two additional locations within the DMMU at Berth 411, but it was determined that no dredge prism existed, and no sediment core samples were collected.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.87	11.6 (T4-VC-03 RM 4.57)
Cadmium (mg/kg)	0.403	5.72 (T4-VC-03 RM 4.57)
Copper (mg/kg)	32.6	72.3 (T4-VC-03 RM 4.57)
Lead (mg/kg)	41	1,090 (T4-VC-03 RM 4.57)
Mercury (mg/kg)	0.08 T	0.25 (T4-VC-03 RM 4.57)

Parameter	Minimum	Maximum (Location)
Zinc (mg/kg)	112 T	1,010 (T4-VC-03 RM 4.57)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	1,500 U	3,600 U (T4-VC-02 RM 4.55)
Total LPAH (µg/kg)	1,146 TA	10,930 TA (T4-VC-02 RM 4.55)
Total HPAH (µg/kg)	4297 TA	85,600 TA (T4-VC-02 RM 4.55)
Total PCBs (µg/kg)	56.5 TA	456 TA (T4-VC-03 RM 4.57)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	4.8 TA	34.5 TA (T4-VC-03 RM 4.57)
Dibenzofuran (µg/kg)	60 J	290 (T4-VC-02 RM 4.55)
4-Methylphenol (µg/kg)	29 J	120 J (T4-VC-02 RM 4.55)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLLRSI01. Lower Willamette River Reference Area Study, U.S. Army Corps of Engineers, Portland, OR (Prepared by Hart Crowser, February 26, 2002).

This investigation was the second phase in the effort to identify potential reference sediment locations in the Willamette River as part of the USACE's effort to develop a DMMP for the waterway. The objective was to identify three reference areas representing fine-, medium-, and coarse-grained sediment in the LWR that could be used in biological testing.

This investigation consisted of comprehensive chemical and biological testing of three candidate reference sites:

Station	Approximate Location Description	Target Grain Size Range
HC-02	RM 15.5, near Ross Island	Coarse
HC-08	RM 18.8, east of Elk Rock Island	Fine
HC-10	RM 23.4, inside Cedar Island Cove	Medium

Surface sediment sampling was conducted on September 17, 2001, using an air-powered van Veen grab sampler. Sample intervals ranged from the surface to 30 cm. Samples were submitted for TOC, total volatile solids (TVS), selected VOCs, SVOCs, PAHs, phenols, phthalates, pesticides, PCBs, metals, and porewater butyltin analyses, as well as 10-day lethal and sublethal bioassays.

Five additional surface samples were collected from Cedar Island Cove to assess the range of grain sizes available at that location. These five samples were analyzed for grain size, TOC, and TVS only.

The grain sizes at the coarse, medium, and fine candidate locations consisted of fine sand, very sandy silt, and sandy silt, respectively. Organic content in these samples ranged from

0.42 to 1.77 percent. The results for indicator chemicals are summarized in the following table, reported on a dry-weight basis (except for porewater results).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.7	4.3 (HC-08)
Cadmium (mg/kg)	0.07	0.18 (HC-08)
Copper (mg/kg)	15.4	50.9 (HC-08)
Lead (mg/kg)	5.24	12.6 (HC-08)
Mercury (mg/kg)	0.02	0.05 (HC-08)
Zinc (mg/kg)	49.7	96.8 (HC-08)
TBT (µg/L)	0.06	0.09 (HC-08)
bis(2-ethylhexyl)phthalate (µg/kg)	310 U	420 U (HC-08)
Total LPAH (µg/kg)	10.8 A	28.6 A (HC-10)
Total HPAH (µg/kg)	96.6 A	131 A (HC-10)
Total PCBs (µg/kg)	31 UA	42 UA (HC-08)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.73 A	14.6 A (HC-10)
Dibenzofuran (µg/kg)	16 U	21 U (HC-08)
4-Methylphenol (µg/kg)	7.3 J	16 U (HC-02)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLLRSH01. Willamette River Reference Area Study – Phase I Results and Recommendations for Phase II Sampling Locations, Portland, OR (Prepared by Hart Crowser, September 2001).

This investigation was the initial phase to identify potential reference sediment locations in the Willamette River as part of the USACE's plan to develop a DMMP for the waterway. The objective was to identify three reference areas representing fine-, medium-, and coarse-grained sediment in the LWR that could be used in subsequent biological testing.

Ten potential locations were selected. The station IDs and approximate river mile descriptions are listed in the table below.

Station	Approximate Location Description
HC-1	RM 15.7, upstream of East Island
HC-2	RM 15.5, near Ross Island
HC-3	RM 16.5, near downstream boundary of Riverview Cemetery
HC-4	RM 17.2, west side of channel
HC-5	RM 17.8, west side of channel upstream of Riverdale
HC-6	RM 18.75, no sample collected
HC-7	RM 18.9, west of Elk Rock Island
HC-8	RM 18.8, east of Elk Rock Island

Station	Approximate Location Description
HC-9	RM 23.1, downstream end of Cedar Island
HC-10	RM 23.4, inside Cedar Island Cove

Sampling took place on August 27, 2001. Surface (0-10 cm) grab samples were collected at each location and were wet-sieved in the field to identify general grain-size characteristics. Samples were then submitted for laboratory analyses of grain-size distribution, TVS, total solids, TPH, pesticides, and PCBs.

The results for indicator chemicals are summarized in the following table, reported on a dry-weight basis.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	na	na
Total HPAH (µg/kg)	na	na
Total PCBs (µg/kg)	26 UA	40 UA (HC-10)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1.3 UA	2 UA (HC-04, HC-10)
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	13 U	56 Z (HC-04)
Xylenes (µg/kg)	na	na

WLCCIF01. Results of Sediment Sampling and Analysis, Cargill Irving Elevator Terminal, Portland, OR (Prepared by Harding ESE, August 3, 2001).

This investigation consisted of sediment sampling to characterize material to be removed during maintenance dredging at the Cargill, Inc. (Cargill) Irving Elevator Terminal in Portland (RM 11.5). The material was addressed as a single DMMU located within the facility's berthing area.

Sediment sampling was conducted by Harding ESE on June 29, 2001. Four vibracore samples were collected within the DMMU: T01 (0-54 cm), T02 (0-109 cm), T03 (0-106 cm), and T04 (0-60 cm). Due to refusal, one of the cores did not achieve the entire proposed

dredging depth, including the 2-ft overdredge interval. From each core, the material within the proposed dredge prism depth interval was split between two samples: one representing the individual core, and one composite of the four cores representing the entire DMMU. The amount of material contributed to the composite from each core was proportional to its total length. All the samples were analyzed for conventional parameters (total solids, TVS, TOC, total sulfide, and ammonia), grain-size distribution, SVOCs, organoclorine pesticides, PCBs, organotins, and metals. The composite sample was also analyzed for porewater organotins. Samples T01, T04, and the composite sample later underwent bioassay testing.

The individual samples were generally composed of sands with silt; the organic carbon contents ranged from 0.4 to 0.82 percent. The composite material was predominantly sand with silt, having an organic content of 0.67 percent. The results for indicator chemicals are summarized in the following table, reported on a dry-weight basis (except for porewater results).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.1	3.1 (T02)
Cadmium (mg/kg)	0.21	0.32 (T02)
Copper (mg/kg)	20.2	26.4 (T02)
Lead (mg/kg)	14.4	35 (T04)
Mercury (mg/kg)	0.03	0.05 (T02)
Zinc (mg/kg)	68.3	79.3 (T04)
TBT(µg/kg)	13	220 (T04)
TBT(µg/L)	--	0.06 (composite)
bis(2-ethylhexyl)phthalate (µg/kg)	180 U	220 J (T01)
Total LPAH (µg/kg)	135 A	346 A (T01)
Total HPAH (µg/kg)	441 A	3,457 A (T01)
Total PCBs (µg/kg)	13.4 A	130 A (T04)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.73 UA	2.42 A (T03)
Dibenzofuran (µg/kg)	4.2 J	12 J (T01)
4-Methylphenol (µg/kg)	16 J	54 (T02)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCT0F01. Dredged Material Characterization Study, Marine Terminal 2, Berths 203-206, Marine Terminal 5, Berth 501, Portland, OR (Prepared by Hart Crowser, August 24, 2001).

Hart Crowser conducted this study for the Port of Portland prior to maintenance dredging at three berthing areas at the Port's Marine Terminal 2 (Berths 204-206), and one berthing area at Marine Terminal 5 (Berth 501). Terminal 2 is located on the west side of the Willamette River at RM 10, and Terminal 5 is located along the east bank of the river at RM 1. The

information gained from this investigation was to be used to determine the quality of the dredged material for management options, the quality of the effluent from dredged material dewatering, and the quality of the dredged material leachate that would percolate into the aquifer underlying the rehandling facility. No dredging was planned at Berth 203 at the time of this study, but the data were collected for use in evaluating future dredging options.

Subsurface sediment vibracore samples were collected at Terminal 2, Berths 203-206, on June 28-29, 2001, and at Terminal 5, Berth 501, on June 27-28, 2001. Ten cores were collected at Terminal 2, and nine cores were collected at Terminal 5. Recovered core depths ranged from 5.5 to 9 ft below the mudline (BML). The cores were segregated into two DMMUs at both Terminal 2 (Berth 203 and Berths 204-205) and Terminal 5 (Berth 501-Barge and Berth 501-Face). The cores in each DMMU were divided into three intervals and composited to form representative samples, as outlined in the following table.

Facility	DMMU	Composite Sample ID	Approximate Interval	Interval Description
Terminal 2	Berth 203	T2-01-1A	0-121 cm	Proposed dredging depth (including 2 ft overdredge)
		T2-01-1B	121-152 cm	1 ft below dredge prism
		T2-01-1C	152-182 cm	1-2 ft below dredge prism
	Berths 204-206	T2-01-2A	0-152 cm	Proposed dredging depth (including 2 ft overdredge)
		T2-01-2B	152-182 cm	1 ft below dredge prism
		T2-01-2C	182-210 cm	1-2 ft below dredge prism
Terminal 5	Berth 501-Barge	T5-01-1A	0-152 cm	Proposed dredging depth (including 2 ft overdredge)
		T5-01-1B	152-182 cm	1 ft below dredge prism
		T5-01-1C	182-210 cm	1-2 ft below dredge prism
	Berth 501-Face	T5-01-2A	0-182 cm	Proposed dredging depth (including 2 ft overdredge)
		T5-01-2B	182-210 cm	1 ft below dredge prism
		T5-01-2C	210-240 cm	1-2 ft below dredge prism

The "A" samples from each DMMU were submitted for analysis of conventional parameters, SVOCs, chlorinated pesticides, PCBs, metals, and porewater TBT. Elutriate (dewatered fluid) from T2-01-2A was analyzed for TSS, turbidity, TBT, chlorinated pesticides, and PCBs. Initially, the "B" and "C" samples from each DMMU were frozen pending potential future analysis. Samples T2-01-1B and T2-01-1C were later analyzed for pesticides and PCBs based on elevated concentrations in T2-01-1A.

The Terminal 2 "A" composites were composed primarily of sandy silt, while the Terminal 5 "A" composites were composed of sand and silty sand. Organic carbon content ranged from 0.17 to 3.04 percent. The results for indicator chemicals in the sediment samples are summarized in the following table, reported (except porewater TBT) on a dry-weight basis.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.8	3 (T2-01-2A, T5-01-2A)
Cadmium (mg/kg)	0.09	0.51 (T5-01-2A)
Copper (mg/kg)	8.8	30.1 (T2-01-2A)
Lead (mg/kg)	3.38	19.8 (T5-01-2A)
Mercury (mg/kg)	0.02	0.14 (T2-01-1A)
Zinc (mg/kg)	37.9	112 (T2-01-1A)
TBT (µg/L)	0.02 U	0.07 (T5-01-2A)
bis(2-ethylhexyl)phthalate (µg/kg)	270 UJ	380 UJ (T2-01-2A)
Total LPAH (µg/kg)	73 A	308 A (T2-01-1A)
Total HPAH (µg/kg)	276 A	1,221 A (T2-01-1A)
Total PCBs (µg/kg)	27 UA	770 A (T2-01-1B)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1.4 UA	78 A (T2-01-1B)
Dibenzofuran (µg/kg)	14 UJ	19 UJ (T2-01-2A)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCCPF01. Chevron Willbridge Terminal Dock Sediment Sampling, Portland, OR (Prepared by PNG Environmental, 2001).

PNG Environmental performed sediment sampling to characterize sediment prior to maintenance dredging in the vicinity of the Chevron Willbridge Terminal dock, located on the west side of the Willamette River at approximately RM 7.8.

Samples were collected at five stations on June 6-7, 2001: two in the slip north of the dock, and three in the slip south of the dock. The sample IDs and intervals at each of these stations are summarized in the table below. Only the uppermost interval collected at each station contained the sediment proposed for dredging.

Station (Location)	Sample ID	Sample Interval
SD0101 (Head of northern slip)	SD-1-S1C	91-183 cm
	SD-1-39-Foot	183-213 cm
	SD-1-41-Foot	213-244 cm
SD0102 (Northern slip)	SD-2-S1C	0-30 cm
	SD-2-39-Foot	30-61 cm
	SD-2-41-Foot	61-91 cm
SD0103 (Head of southern slip)	SD-3-S1C	0-152 cm
	SD-3-39-Foot	152-183 cm
	SD-3-41-Foot	183-213 cm

Station (Location)	Sample ID	Sample Interval
SD0104 (Southern slip)	SD-4-S1C	0-91 cm
	SD-4-39-Foot	91-122 cm
	SD-4-41-Foot	122-152 cm
SD0105 (Southern slip)	SD-5-SD1C	0-30 cm
	SD-5-39-Foot	30-61 cm
	SD-5-41-Foot	61-90 cm

The samples were analyzed for ammonia/nitrogen, sulfide, total solids, TVS, VOCs, SVOCs, PAHs, DRH, pesticides, PCBs, and total metals. Porewater from these samples was analyzed for butyltins. The results for indicator chemicals in surface and subsurface samples are summarized in the following tables. Except for porewater TBT, the results were reported on a dry-weight basis. In surface sediment samples, maximum concentrations of all chemicals were found in Sample SD-5-SD1C.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	4.16	4.31
Cadmium (mg/kg)	0.4	0.73
Copper (mg/kg)	41.9	53
Lead (mg/kg)	14	43.2
Mercury (mg/kg)	0.2 U	0.26
Zinc (mg/kg)	98.8	236
TBT (µg/L)	0.02 U	0.04 U
bis(2-ethylhexyl)phthalate (µg/kg)	149	248
Total LPAH (µg/kg)	18.7 A	458 A
Total HPAH (µg/kg)	234 A	1,057 A
Total PCBs (µg/kg)	12 UA	79.1 A
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.8 UA	0.8 UA
Dibenzofuran (µg/kg)	100 U	100 U
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	27	250
Xylenes (µg/kg)	200 U	200 U

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.52	6.37 (SD-4-41-Foot)
Cadmium (mg/kg)	0.3 U	0.69 U (SD-1-S1C)
Copper (mg/kg)	18.1	58.2 (SD-2-39-Foot)
Lead (mg/kg)	5.23	47.8 (SD-3-41-Foot)
Mercury (mg/kg)	0.2 U	0.31 (SD-5-39-Foot)
Zinc (mg/kg)	60.7	172 (SD-3-41-Foot)

Parameter	Minimum	Maximum (Location)
TBT(µg/kg)	0.02 U	0.06 U (SD-5-41-Foot)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	320 (SD-1-S1C)
Total LPAH (µg/kg)	6 UA	1,721 A (SD-1-41-Foot)
Total HPAH (µg/kg)	58.1 A	5,107 A (SD-1-S1C)
Total PCBs (µg/kg)	12 UA	205 A (SD-1-39-Foot)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.8 UA	1.7 UA (SD-3-S1C)
Dibenzofuran (µg/kg)	100 U	212 U (SD-3-S1C)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	10 U	744 U (SD-3-41-Foot)
Xylenes (µg/kg)	200 U	425 U (SD-3-S1C)

WLCGSD01. NW Natural "Gasco" Site, Draft Screening Level Nearshore Source Control Evaluation Results Report, Portland, OR (Prepared by Anchor Environmental, L.L.C., July 2001).

The purpose of this investigation was to characterize nearshore river conditions adjacent to the NW Natural "Gasco" site in order to validate groundwater model results and determine whether site groundwater was an ongoing source of river water and sediment contamination.

On April 10-11, 2001, nine sediment vibracore samples were collected from a research vessel along two transects that ran perpendicular from the Gasco site shoreline. Four cores were collected along the first transect located offshore of the tar pond area, and five cores were collected along the second transect located approximately 500 ft northwest of the first. Samples were collected from the cores at three depth intervals: 0-10 cm, 10-20 cm, and 30-40 cm. All samples were analyzed for TOC, total solids, six metals, cyanide, BTEX, PAHs, and sulfides.

Organic carbon content ranged from 0.18 to 8.76 percent. Results for indicator chemicals in surface and subsurface samples are summarized in the following tables. All results are reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	2.4	5.1
Cadmium (mg/kg)	na	na
Copper (mg/kg)	21	55.9
Lead (mg/kg)	4.3	56.8
Mercury (mg/kg)	na	na
Zinc (mg/kg)	56.1 J	281 J
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na

Parameter	Minimum	Maximum
Total LPAH (µg/kg)	351 A	771,800 A
Total HPAH (µg/kg)	1,238 A	1,057,400 A
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	0.020 U	1.51

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	1.1	5.1
Cadmium (mg/kg)	na	na
Copper (mg/kg)	14.5	57.6
Lead (mg/kg)	2.28	58.4
Mercury (mg/kg)	na	na
Zinc (mg/kg)	37 J	313 J
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	3 UA	4,299,000 A
Total HPAH (µg/kg)	3 UA	1,893,000 A
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	0.020 U	9.1

WLCMBA01. Sediment Remedial Design Final Sampling Data Summary Report, McCormick & Baxter Creosoting Company, Portland, OR (Prepared by Ecology and Environment, Inc., February 2001).

Ecology and Environment (E&E) conducted sediment sampling on behalf of DEQ to support the remedial design for contaminated sediment at the McCormick & Baxter Creosoting Company's Portland facility, located at approximately RM 7. Phase I of the remedial design sampling was conducted in October 1999. Phase II sampling was performed in January and February 2001 to address data gaps identified during Phase I, including the delineation of the lateral extent of contamination and parameters necessary for permeability modeling.

On January 5 and 8, 2001, surface sediment samples were collected at 29 locations offshore of the McCormick & Baxter facility, and one sample was collected at an upstream reference location at RM 24. The samples were collected from a sampling interval of 0-15 in. using a PVC plastic sampling tube deployed by divers. Two replicates were required at each station: one was submitted for grain-size distribution and PAH analyses, and the other was submitted for toxicity testing.

Subsurface sediment samples were collected on February 5, 2001 at three locations offshore of the facility. The samples were obtained from cores collected from 0 to 10 ft using a Shelby® tube and piston sampler. Porewater samples from the sediment cores were submitted for dissolved organic carbon and SVOC analyses. Sediment from the cores was collected for NAPL extraction to be used in the physical testing required for sediment cap permeability modeling. Samples of light NAPL, dense NAPL, and river water were also collected to provide data for cap permeability modeling.

The surface sediment samples displayed a range of grain sizes, but were generally finer than the Phase I samples. Fines in Phase II samples ranged from 0 to 93 percent. The results for indicator chemicals in the surface samples are summarized in the following table. All results were reported in dry weight. The results of the sediment porewater analyses from this investigation were not available at the time of the E&E report.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT(µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	13.4 UA	173,569 A
Total HPAH (µg/kg)	13.4 UA	82,097 A
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCGAL00. Preliminary Assessment and Dredging Sampling Results, Goldendale Alumina Unloading Facility, Phase II Sampling, Portland, OR (Prepared by CH2M Hill, March 2001).

Following maintenance dredging at the Goldendale Alumina Company (GAC) dock in October 2000, sediment sampling was conducted as part of a preliminary assessment (PA) of the GAC facility. The PA was performed by GAC, as requested in DEQ's strategy recommendation for the site.

Three surface (0-30 cm) sediment samples were collected on December 21, 2000 and analyzed for PAHs. Two of the samples (Post Dredge 1 and Post Dredge 2) were collected from within the dredged area and one (UP Outfall) was collected near a stormwater outfall. A stormwater sample was subsequently collected in January 2001 to assess whether stormwater near the site was contributing to PAHs detected in sediments near the dock. No PAHs or oil and grease constituents were detected in the stormwater.

The analytical results of indicator chemicals in the three Phase II sediment samples are summarized in the following table. The maximum concentrations were all detected in sample Post Dredge 2. All results are reported on a dry-weight basis.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	193 A	5,530 A
Total HPAH (µg/kg)	1,357 A	40,280 A
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	9.6	280
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCOSJ00. Pre-remedial Investigation Field Activities Data Report, Oregon Steel Mills, Inc. (OSM), Portland, OR (Prepared by Exponent, February 2001).

Exponent performed this pre-remedial investigation at the OSM Portland mill in October 2000. The facility is located at approximately RM 3. Field activities included upland subsurface soil and groundwater sampling near a former oil sump, and sediment sampling in the vicinity of stormwater outfalls along the Willamette River.

Sediment sampling was conducted on October 10-11, 2000. Surface (0-10 cm) samples were collected from four stations in the vicinity of each of two outfalls (Outfalls 001 and 003) that drain the property. In addition, two surface samples were collected 100 ft apart near both the upstream and downstream property boundaries. Deeper samples were obtained at two additional stations near Outfall 003 using a coring device or a shovel. Deeper samples could not be obtained near Outfall 001 due to refusal. The sample locations, IDs, and intervals are summarized in the table below:

Location	Sample ID	Interval
Near northern property boundary	SD0001	0-10 cm
	SD0002	0-10 cm
Outfall 003	SD0003	0-10 cm
	SD0004	0-10 cm
	SD0005	0-10 cm
	SD0006	0-10 cm
	SD0007 (dup of SD0006)	0-10 cm
	SD0014	0-30 cm
	SD0015	0-30 cm
	SD0016	0-60 cm
Outfall 001	SD0008	0-10 cm
	SD0009	0-10 cm
	SD0010	0-10 cm
	SD0011	0-10 cm
	SD0014	0-10 cm
	SD0015	0-10 cm
	SD0016	0-10 cm
Near southern property boundary	SD0012	0-10 cm
	SD0013	0-10 cm

All sediment samples were analyzed for priority pollutant metals, SVOCs, PCBs, TOC, and grain size. Samples SD0015 and SD0016 were also analyzed for TPH.

The sediment samples were composed primarily of sands and gravels. Fines content in the samples ranged from approximately 3 to 8 percent. Organic content ranged from less than 0.05 to 1.91 percent. The results for indicator chemicals in the sediment samples are summarized in the following table. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.8	132 (SD0009)
Cadmium (mg/kg)	1 U	2.1 (SD0009)
Copper (mg/kg)	111	148 (SD0015)
Lead (mg/kg)	19.8 U	166 (SD0010)
Mercury (mg/kg)	0.02 U	0.07 (SD0005)
Zinc (mg/kg)	43.1	823 (SD0009)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	180 U	2,000 U (SD0009)
Total LPAH (µg/kg)	8.9 UA	14,093 A (SD0004)
Total HPAH (µg/kg)	19 UA	39,000 (SD0004)
Total PCBs (µg/kg)	140 A	2,790 A (SD0005)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	8.9 U	1,000 (SD0004)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	10 U	10 U (SD0015)
Xylenes (µg/kg)	na	na

WLCWTI00. Revised 60-inch Storm Sewer Interim Remedial Actions Report, Tosco Willbridge Terminal, Portland, OR (Prepared by KHM Environmental Management, Inc., May 2002).

KHM Environmental Management performed subsurface investigations and interim remedial actions at the Tosco Willbridge Terminal facility, which is located on the west bank of the Willamette River at RM 8. These activities were performed to address the seepage of petroleum hydrocarbons from bedding/backfill materials associated with a 60-in.-diameter storm sewer. The storm sewer is owned by the City of Portland, but crosses the Tosco terminal between Front Avenue and the river. The primary goal of the interim remedial activities was to assess the extent of separate-phase hydrocarbons (SPH) in the vicinity of the storm sewer, and eliminate SPH seepage to the Willamette. Remedial goals also included removal of the affected sediment adjacent to the outfall.

The investigation included the collection of groundwater and soil/sediment samples in the vicinity of the outfall as well as the installation of various engineering controls to contain and reduce the SPH seepage. Four sediment/soil samples were collected near the Willamette River low-water line on either side of the storm sewer outfall, using hand tools such as shovels or trowels. The samples were collected on September 21, 2000 within a 6-in. interval beginning at the sand/silt interface, which ranged from approximately 0.5 to 1 ft below the ground surface (bgs). On September 21-22, 2000, nine additional soil/sediment samples were collected from test pits excavated in the outfall area to determine the area of

sediment impact and calculate the volume of material that would require removal. Test pit samples were collected directly from the excavator bucket at depth intervals ranging from 61 to 229 cm bgs.

All soil/sediment samples were analyzed for hydrocarbon identification and TPH (as diesel and heavy oil). One test pit sample was also analyzed for VOCs and RCRA metals for disposal characterization. Results for indicator chemicals in LWR samples are summarized in the following table, reported on a dry-weight basis. Based on the analytical results of the soil/sediment samples in the vicinity of the outfall, a permit was requested from the USACE for excavation of the affected area.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	1.69	1.69
Cadmium (mg/kg)	0.5 U	0.5 U
Copper (mg/kg)	na	na
Lead (mg/kg)	10 U	10 U
Mercury (mg/kg)	0.1 U	0.1 U
Zinc (mg/kg)	na	na
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	na	na
Total HPAH (µg/kg)	na	na
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	50 U	12,400
Xylenes (µg/kg)	1,250	1,250

WLCAYH00. Expanded Preliminary Assessment Data Report, Union Pacific Railroad (UPRR) Albina Yard, Portland, OR (Prepared by Jacobs Engineering, November 2000).

Jacobs Engineering performed an XPA of the Union Pacific Railroad (UPRR) Albina Yard site in August 2000. The purpose of the XPA was to determine whether the site had experienced or might experience a release that could endanger human health or the environment per Oregon's Revised Statutes (ORS Chapter 465.200). The XPA included the collection of soil, groundwater, and surface water samples, as well as six sediment samples. Four of these samples were collected from the Willamette River, while the remaining two were collected from storm drains. The river sediment sampling station locations were described as follows:

Station	Location
SD-01	Upstream of Albina Yard, northwest of Fremont Bridge, sediment quality presumably unaffected by site activities (baseline sample)
SD-02	Near Outfall #2, draining stormwater runoff from the southeastern portion of UPRR site
SD-03	Near Outfall #1, draining stormwater runoff from the central portion of UPRR site
SD-04	Near Outfall #3, draining stormwater runoff from the northwestern portion of UPRR site

Both surface and subsurface sediment samples were collected. Surface samples were collected from the top 20 cm using a single grab with a 0.1-m^2 van Veen sampler. Subsurface sediment samples were collected using a 2-in.-diameter gravity corer configured with a 3-ft barrel. Sample recovery was difficult at most locations given the steeply sloped bottom and the amount of riprap and debris present. Three core samples were collected: SD-1D (30-60 cm), SD-2D (30-69 cm), and SD-4D (30-60 cm). Efforts to collect a subsurface core at station SD-3 were abandoned after several attempts failed to retrieve any sample volume.

Samples were analyzed for TPH, SVOCs, metals, TBT, PCB Aroclors, and TOC. Organic carbon content ranged from 0.93 to 2.60 percent. Results for indicator chemicals in surface and subsurface samples are summarized in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2	3.8 (SD-01)
Cadmium (mg/kg)	0.15	0.67 (SD-04)
Copper (mg/kg)	23.3	45 (SD-03)
Lead (mg/kg)	9.88	61.3 (SD-04)
Mercury (mg/kg)	0.05	0.09 (SD-04)
Zinc (mg/kg)	65.1	122 (SD-04)
TBT (µg/kg)	3	12 (SD-01)
bis(2-ethylhexyl)phthalate (µg/kg)	80 J	200 (SD-03)
Total LPAH (µg/kg)	39 A	174 A (SD-04)
Total HPAH (µg/kg)	174 A	793 A (SD-01)
Total PCBs (µg/kg)	7 A	550 A (SD-04)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	0.9 J	5 J (SD-04)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	60 J	84 (SD-03)
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.7	4.4 (SD-04)
Cadmium (mg/kg)	0.15	0.38 (SD-04)
Copper (mg/kg)	30.4	33.4 (SD-04)
Lead (mg/kg)	5.91	28.5 (SD-02)
Mercury (mg/kg)	0.06	0.13 (SD-02)
Zinc (mg/kg)	54	113 (SD-04)
TBT (µg/kg)	1 U	13 (SD-04)
bis(2-ethylhexyl)phthalate (µg/kg)	20 J	200 J (SD-04)
Total LPAH (µg/kg)	10.9 A	108 A (SD-04)
Total HPAH (µg/kg)	17 A	660 A (SD-02)
Total PCBs (µg/kg)	12 A	15 A (SD-04)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	3 J	3 J (SD-02, -04)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	40 J	300 (SD-02)
Xylenes (µg/kg)	na	na

WLCMFH00. Expanded Preliminary Assessment Data Report, Marine Finance Site, Portland, OR (Prepared by Jacobs Engineering, November 2000).

Jacobs Engineering performed an XPA of the Marine Finance Site from August 7-10, 2000, under DEQ's Orphan Site Account. The purpose of the XPA was to determine whether a release that could endanger human health or the environment had occurred or may occur at the site per ORS Chapter 465.200.

In addition to soil sample collection, sediment samples were collected from six locations as part of the XPA. Stations were identified as SD-1 through SD-6 and were situated as follows:

Station	Location
SD-1	Seep pool in northern portion of site northwest of Mark Even Construction
SD-2	Northwest and downstream of Mark Even Construction dock near area of known runoff
SD-3	North and downstream of the middle dock
SD-4	North and downstream of Hendren Towboat
SD-5	Adjacent to Hendren Towboat site
SD-6	100 ft upstream of Hendren Towboat as a "baseline" sample

Both surface ("S" sample suffix) and subsurface ("D" sample suffix) sediment samples were collected. Surface samples were collected from the top 20 cm using a single grab at all six locations. Subsurface sediment samples were collected using a 2-in.-diameter gravity corer configured with a 3-ft barrel. Sample recovery was difficult at most locations given the steeply sloped bottom and the amount of riprap and debris present. Only three core samples were collected: SD-4D (30-54 cm), SD-5D (30-54 cm), and SD-6D (30-66 cm).

Samples were analyzed for TPH, SVOCs, metals, TBT, PCB Aroclors, and TOC. Organic carbon content ranged from 0.92 to 4.37 percent. Results for indicator chemicals are presented in the following table. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.7	11.1 (SD-3)
Cadmium (mg/kg)	0.21	0.38 (SD-1)
Copper (mg/kg)	34.6	98.5 (SD-3)
Lead (mg/kg)	13.6	232 (SD-5)
Mercury (mg/kg)	0.02	0.11 (SD-5)
Zinc (mg/kg)	87.8	273 (SD-3)
TBT (µg/kg)	0.7 J	130 (SD-3)
bis(2-ethylhexyl)phthalate (µg/kg)	50 J	300 J (SD-3)
Total LPAH (µg/kg)	214 A	19,320 A (SD-5)
Total HPAH (µg/kg)	970 A	78,600 A (SD-5)
Total PCBs (µg/kg)	8 A	19 A (SD-5)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	6 J	200 J (SD-5)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	92	720 (SD-5)
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.6	3.8 (SD-4)
Cadmium (mg/kg)	0.15	0.43 (SD-5)
Copper (mg/kg)	26.3	36.5 (SD-5)
Lead (mg/kg)	10.9	46 (SD-5)
Mercury (mg/kg)	0.07	0.18 (SD-5)
Zinc (mg/kg)	65.1	121 (SD-5)
TBT (µg/kg)	1 J	5 (SD-6)
bis(2-ethylhexyl)phthalate (µg/kg)	20 J	3,000 J (SD-5)
Total LPAH (µg/kg)	130 A	180,800 A (SD-5)
Total HPAH (µg/kg)	1,570 A	402,800 A (SD-5)

Parameter	Minimum	Maximum (Location)
Total PCBs (µg/kg)	10 A	76 A (SD-5)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	2 J	1,500 (SD-5)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	97	2,800 (SD-5)
Xylenes (µg/kg)	na	na

WLCT1F00. Marine Terminal 1 Baseline Investigation Final Report, Port of Portland, Portland, OR (Prepared by Striplin Environmental Associates, August 2000).

SEA conducted a study to establish baseline sediment quality conditions in the vicinity of the Port of Portland's Marine Terminal 1 South between RM 10 and 11. Sampling was conducted on June 23, 2000.

Surface (0 to 10 cm) sediments from nine stations were sampled using a 0.1-m^2 double van Veen grab sampler deployed from a 28-ft sampling vessel. Each sample represented two replicate grabs that were necessary to collect adequate volume. Seven stations (T1S-02 through T1S-08) were located offshore of Berths 104, 105, and 106, and the remaining two were located upstream (T1S-09) and downstream (T1S-01) of the berth areas to assess impacts stemming from potential sources beyond the Terminal 1 property boundaries.

The samples were analyzed for TOC, grain-size distribution, VOCs, total sulfides, SVOCs, pesticides, PCBs, and metals, and porewater was analyzed for TBT. The samples were generally fine-grained; fines content ranged from approximately 27 to 66 percent. Organic content ranged from 1.4 to 2.65 percent. The results for indicator chemicals are summarized in the following table.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.3	5.5 (T1S-06)
Cadmium (mg/kg)	0.16	0.26 (T1S-03)
Copper (mg/kg)	30.1 N	57.2 N (T1S-01)
Lead (mg/kg)	10.7	20.8 (T1S-01)
Mercury (mg/kg)	0.04	0.56 (T1S-09)
Zinc (mg/kg)	75.5 N	114 N (T1S-01)
TBT (µg/L)	0.05 UX	0.05 UX
bis(2-ethylhexyl)phthalate (µg/kg)	140	310 (T1S-08)
Total LPAH (µg/kg)	20 UA	157 A (T1S-09)
Total HPAH (µg/kg)	20 UA	410 A (T1S-09)
Total PCBs (µg/kg)	14 A	41 A (T1S-01)
2,3,7,8-TCDD (ng/kg)	na	na

Parameter	Minimum	Maximum (Location)
Total DDT (µg/kg)	1.8 A	6.7 A (T1S-09)
Dibenzofuran (µg/kg)	20 U	20 U
4-Methylphenol (µg/kg)	120 U	120 (U)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	2 U	10 U (T1S-06)

X – See case narrative.

WLCGAF00. Dredging Sampling Results, Goldendale Alumina Unloading Facility, Phase I Sampling, Portland, OR (Prepared by CH2M Hill, March 2001).

Phase I of this investigation consisted of sampling to characterize sediments proposed for removal during maintenance dredging at GAC's Portland Unloading Facility dock (RM 11). The results of previous sampling of the material conducted in 1999 by CH2M Hill had indicated that chemical concentrations in the material were below screening levels for aquatic disposal, but DEQ requested additional sampling to characterize the material for disposal at Ross Island.

Five surface (0-30 cm) sediment samples were collected on June 12, 2000 from the proposed dredging area near the facility's dock. The sampling was performed by David Evans and Associates using a ponar clamshell sampler deployed from a boat. The samples were analyzed for grain-size distribution, conventional parameters (ammonia as nitrogen, total sulfide, TOC), VOCs, SVOCs, organochlorine pesticides, PCBs, butyltins, and metals. Three of the samples were selected by GAC and DEQ for bioassays.

The samples were primarily composed of silt with very fine sand. Organic content ranged from 1.91 to 2.47 percent. The results for indicator chemicals are summarized in the following table. The results (except porewater TBT) are reported on a dry-weight basis.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	2.9	3.8
Cadmium (mg/kg)	0.16	0.17
Copper (mg/kg)	31.6	34
Lead (mg/kg)	11.5	13.3
Mercury (mg/kg)	0.2 U	0.2 U
Zinc (mg/kg)	68.5	73.1
TBT (µg/L)	6.3	36
bis(2-ethylhexyl)phthalate (µg/kg)	95	2,700
Total LPAH (µg/kg)	12 A	2,948 A
Total HPAH (µg/kg)	95	9,585 A
Total PCBs (µg/kg)	20 UA	20 UA

Parameter	Minimum	Maximum
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1.9 A	4.7 A
Dibenzofuran (µg/kg)	3 J	64
4-Methylphenol (µg/kg)	25 U	25 U
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	20 U	24 U

WLCRIL99. Site Investigation Report, Port of Portland Confined Dredged Material Disposal, Ross Island Facility, Portland, Oregon (Prepared by Hart Crowser, November 30, 2000).

Hart Crowser conducted a site investigation at the Ross Island Confined Dredged Material Disposal Facility to determine whether dredged material from Port facilities, which was placed at Ross Island, posed a risk to human health or the environment. In addition to groundwater and surface water sampling, Hart Crowser collected samples of lagoon sediment.

Surface (0-10 cm) sediment samples were collected at 34 locations during November 16-19,1999. These included 29 locations within the lagoon, Holgate Slough, and the adjacent Willamette River (Samples HC-SS01 through HC-SS31); two upstream background samples (HC-SS32 and HC-SS33); and three reference samples in the Columbia River (HC-REF1, HC-REF2, HC-REF3). Surface samples were collected using a van Veen grab.

Subsurface sediment samples were collected at 19 locations within Ross Island Lagoon (seven in disposal cells and 12 near the cells to assess slope stability) during November and December 1999. Borings ranged from 18 to 94.5 ft below mudline; sampling intervals ranged from approximately 4.4-26 ft to 15.5-59 ft. Subsurface samples were collected using a hollow-stem auger, split-spoon sampler, Gus sampler, and Hart sampler.

Samples were analyzed for TOC, grain size, metals, SVOCs, VOCs, PCBs, DDT, and TPH. Some samples were also analyzed for porewater TBT. Organic carbon in surface sediments ranged from 0.12 to 1.9 percent. Results for surface sediment samples and subsurface samples are provided below in separate tables. Results are reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.27 U	7.7 (HC-G06A)
Cadmium (mg/kg)	0.27 UJ	0.3 (HC-SS15)
Copper (mg/kg)	14.4 U	52.3 J (HC-G06A)
Lead (mg/kg)	4.56	27.8 (HC-G06A)
Mercury (mg/kg)	0.12 U	0.8 (HC-SS22)

Parameter	Minimum	Maximum (Location)
Zinc (mg/kg)	33.2	191 J (HC-G06A)
TBT (µg/kg)	na	na
TBT (µg/L)	0.02 UJ	0.08 (HC-SS17)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	420 (HC-SS03)
Total LPAH (µg/kg)	50 UA	160 A (HC-SS03)
Total HPAH (µg/kg)	50 UA	2,080 A (HC-SS03)
Total PCBs (µg/kg)	11 A	130 A (HC-SS20)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2.6 A	2.6 A (HC-SS11)
Dibenzofuran (µg/kg)	50 U	50 U
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	10 U	50 U (HC-REFB, HC-SS06, HC-SS08, HC-SS09, HC-SS10, HC-SS13, HC-SS14, HC-SS15, HC-SS15, HC-SS16, HC-SS17)
Xylenes (µg/kg)	--	5 UT (all locations)

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.18 U	24.4 (HC-G07)
Cadmium (mg/kg)	0.3 U	1.7 (HC-G05)
Copper (mg/kg)	15.5	1,340 (HC-G07
Lead (mg/kg)	6.3	409 (HC-G05)
Mercury (mg/kg)	0.1 U	1.43 (HC-G07)
Zinc (mg/kg)	40.5 J	960 (HC-G07)
TBT (µg/kg)	na	na
TBT (µg/L)	0.23	27 (HC-G07)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	3,600 (HC-G07)
Total LPAH (µg/kg)	50 UA	90,600 A (HC-G08)
Total HPAH (µg/kg)	50 UA	726,000 A (HC-G08)
Total PCBs (µg/kg)	20 UA	2,900 A (HC-G07)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2.6 A	754.7 A (HC-G07)
Dibenzofuran (µg/kg)	50 U	1,700 (HC-G08)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLR0499; WLR1199. Willamette River Sediment Sampling Evaluation (Prepared by U.S. Army Corps of Engineers, June 1999 and March 2000).

USACE collected sediment cores during two sampling surveys in the Willamette River to characterize sediments prior to maintenance dredging to determine whether sediments were suitable for open, in-water disposal.

In the first survey, a total of nine sediment cores representing three DMMUs were collected on April 29, 1999. The sediment represented by the April samples exceeded the Dredged Material Evaluation Framework screening levels and required additional chemical and biological testing. Therefore, a second survey was conducted. Five additional sediment cores were collected on November 29, 1999, from five of the nine locations sampled in April. In addition, a fourth DMMU was added and three additional cores collected from a shoal at RM 11.

DMMU	RM	Location	Station (WLR0449, April)	Station (WLR1199, November)
1	2+10	East edge of navigation channel off Oregon Steel Mill dock	WR-VC01A WR-VC02A	WR-VC02N
2	9 to 9+35	Shoal on west edge of navigation channel	WR-VC03A WR-VC04A	WR-VC05N
3	8+30 to 8+50	Navigation channel in front of Texaco dock	WR-VC05A WR-VC06A WR-VC07A WR-VC08A	WR-VC03N WR-VC04N
4	11	Shoal in navigation channel.	Not sampled	WR-VC06N WR-VC07N WR-VC08N

The depth interval for all samples was 0-8 ft. At stations WR-VC08 (April), WR-VC06 (November), and WR-VC07 (November), the bottom interval (approximately 8-12 ft) was also analyzed. Cores were collected using a vibracorer.

The subsurface samples were analyzed for conventionals, metals, SVOCs, PCBs, pesticides, and herbicides. Some samples were also analyzed for dioxin/furans and porewater organotins. Organic carbon ranged from 0.37 to 2.4 percent. Results for indicator chemicals are presented in the following table. All results were reported in dry weight.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.4 J	5 (WR-VC06N)
Cadmium (mg/kg)	0.17 J	0.41 J (WR-VC02N)

Parameter	Minimum	Maximum (Location)
Copper (mg/kg)	30	44 (WR-VC04N)
Lead (mg/kg)	15	42 (WR-VC06N)
Mercury (mg/kg)	0.079 J	0.35 (WR-VC06N)
Zinc (mg/kg)	83	230 (WR-VC07N)
TBT (µg/kg)	na	na
TBT (µg/L)	0.02 U	0.13 (WR-VC07N)
bis(2-ethylhexyl)phthalate (µg/kg)	11 JB	210 B (WR-VC07N)
Total LPAH (µg/kg)	3.2 UA	322 A (WR-VC01A)
Total HPAH (µg/kg)	8.9 A	699 A (WR-VC01A)
Total PCBs (µg/kg)	26 UA	32 UA (WR-VC06A)
2,3,7,8-TCDD (ng/kg)	0.68 U	0.76 U (WR-VC05N)
Total DDT (µg/kg)	2.9 A	15.4 A (WR-VC07N)
Dibenzofuran (µg/kg)	3.6 J	16 (WR-VC07N)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCT5K99. Sediment Characterization at Marine Terminal 5, Barge Berth 501 and Berth 503, Portland, OR (Prepared by Hart Crowser, 1999).

The purpose of this investigation was to characterize sediment to be dredged for navigational maintenance at Port of Portland's Terminal 5, located between RM 1 and RM 2. Three DMMUs were defined for this project: DMMU T501-Face (located along the offshore side of Berth 501); DMMU T501-Barge (the barge berth area inshore of Berth 501); and DMMU T503 (along Berth 503).

Vibracore samples were collected on November 18, 1999 from five locations: two within DMMU T501-Face, one from DMMU T501-Barge, and two from DMMU T503. Whole cores from DMMU T501-Face and DMMU T503 were homogenized to form one representative sample for each respective unit. Sampled intervals ranged up to 182 cm (approximately 6 ft) below the mudline. The samples were submitted for the analysis of particle size, total solids, TVS, TOC, ammonia, metals (including mercury), SVOCs, pesticides, PCBs, total sulfides, and biological assays. Porewater was analyzed for TBT.

The results for indicator chemicals are summarized in the following table. Sediment analytical results are reported in dry weight. The maximum concentrations for all analytes except TBT were detected in the composite sample from Berth 503. The maximum TBT concentration was detected in the composite sample from Berth 501. The DMMUs associated with these analytical results have since been dredged.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	2	5.1
Cadmium (mg/kg)	0.08	0.67
Copper (mg/kg)	8.31	97.9
Lead (mg/kg)	3.21	16.5
Mercury (mg/kg)	0.1	0.5
Zinc (mg/kg)	34.2	122
TBT (µg/L)	0.03	3.5
bis(2-ethylhexyl)phthalate (µg/kg)	35 U	97
Total LPAH (µg/kg)	6 UA	51 A
Total HPAH (µg/kg)	10 UA	400 A
Total PCBs (µg/kg)	20 UA	20 UA
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	5 UA	5 UA
Dibenzofuran (µg/kg)	6 U	6 U
4-Methylphenol (µg/kg)	10 U	10 U
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCRIJ99. Baseline Sediment Characterization, In-Water Clear Zone Sampling Results, Ross Island Lagoon (Prepared by Landau Associates, January 24, 2000).

Landau conducted an investigation to evaluate sediment quality in the in-water clear zone of a mined area prior to reclamation.

Surface sediments (0-10 cm) were sampled in eight locations in the in-water clear zone (CZ01 to CZ08). Porewater samples from four of the eight locations were also analyzed. In addition, three surface sediment samples were collected in the vicinity of a previously sampled location (SVS-18, located in a 1998 breach area) to verify previously reported concentrations. Stations SVS-18-R1 and SVS-18-R2 were near the original station SVS-18; three grab samples from along the toe of the slope were composited into one sample for analysis (SVS-18-COMP). All samples were collected October 26-28, 1999, using an Ekman grab sampler.

Sediment samples were analyzed for TOC, grain size, metals, SVOCs, pesticides, PCBs, and organotins. Porewater samples were analyzed for organotins. Organic carbon ranged from 1.01 to 1.58 percent. Sediments were composed predominantly of silt and clay. Results for indicator chemicals in surface sediments are presented in the following table. All results were reported in dry weight.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.7	6.6 (CZ06)
Cadmium (mg/kg)	0.09	0.7 (SVS18R2)
Copper (mg/kg)	25.5	56.9 (CZ07)
Lead (mg/kg)	9.18	23.6 (CZ04)
Mercury (mg/kg)	0.05	0.18 (SVS18R1)
Zinc (mg/kg)	52.7	130 (SVS18R2)
TBT (µg/kg)	15	117 (SVS18R1)
TBT (µg/L)	0.006 J	0.01 J (CZ07)
bis(2-ethylhexyl)phthalate (µg/kg)	40 JB	160 J (SVS18R1)
Total LPAH (µg/kg)	13 A	184 A (SVS18R2)
Total HPAH (µg/kg)	104 A	1,592 A (SVS18R2)
Total PCBs (µg/kg)	20 UA	11 A (CZ03)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.8 A	2.7 A (CZ03)
Dibenzofuran (µg/kg)	2 J	7 (SVS18R2)
4-Methylphenol (µg/kg)	200 U	200 U
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCRIV99. Phase I Remedial Investigation, Ross Island Sand & Gravel Co. (Prepared by Landau Associates, September 20, 2000).

Landau collected sediment samples to provide supplemental data for a remedial investigation (RI) of the Ross Sand & Gravel site. The overall objective of the RI was to collect data in conjunction with other site investigations to provide an indication of the nature and extent of contamination at the site and to focus subsequent RI study components.

Four surface sediment samples were collected in October 1999. Two samples (PA01 and PA02) were collected within Ross Island lagoon, and two samples (PA03 and PA04) were collected within Holgate Slough. These surface samples were collected from the top 10 cm of sediment. In addition, 41 subsurface sediment samples from 15 borings within the lagoon were collected during November and December 1999. These included two samples from the 0-1 cm depth interval. The subsurface samples were collected in conjunction with a Port of Portland investigation (see WLCRIL99). Sampling methods were not reported in the Phase I RI report (Landau 2000), but the Port reported that subsurface samples were collected using a hollow-stem auger, split-spoon sampler, Gus sampler, and Hart sampler.

Surface samples were analyzed for TOC, grain size, metals, SVOCs, VOCs, pesticides, PCBs, hydrocarbons, and organotins. Organic carbon in surface sediments ranged from 1.44

to 1.69 percent. Results for indicator chemicals in surface sediments are presented in the following table. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3	7.7 (G06A)
Cadmium (mg/kg)	0.08 U	0.234 (PA01)
Copper (mg/kg)	24.8	55.6 (PA01)
Lead (mg/kg)	11.8	27.8 (G06A)
Mercury (mg/kg)	0.04	0.18 (PA01, PA02)
Zinc (mg/kg)	72.5	191 J (G06A)
TBT (µg/kg)	0.4 J	11 (PA01)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	180 (G06A)
Total LPAH (µg/kg)	11 A	55A (G06A, PA02)
Total HPAH (µg/kg)	77 A	442 A (G05)
Total PCBs (µg/kg)	5 A	8 A(PA03)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.9 A	2.3 A (PA03)
Dibenzofuran (µg/kg)	1 J	3 J (PA02)
4-Methylphenol (µg/kg)	200 U	200 U
Diesel range hydrocarbons (mg/kg)	10 U	50 U (G06A)
Xylenes (µg/kg)	--	10 UT (all locations)

Subsurface samples were analyzed for conventional parameters, metals, SVOCs, pesticides, PCBs, hydrocarbons, and organotins. Organic carbon in subsurface sediments ranged from 0.06 to 7.35 percent. Results for indicator chemicals in subsurface sediments are presented in the following table.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.2 UJ	24.4 (G07)
Cadmium (mg/kg)	0.03 U	1.7 (G05)
Copper (mg/kg)	10.5	1,340 (G07)
Lead (mg/kg)	2	409 (G05)
Mercury (mg/kg)	0.01 J	1.43 (G07)
Zinc (mg/kg)	21.9	960 (G07)
TBT (µg/kg)	0.2 J	2,000 (G07)
bis(2-ethylhexyl)phthalate (µg/kg)	100 J	3,600 (G07)
Total LPAH (µg/kg)	50 UA	90,600 A (G08)
Total HPAH (µg/kg)	50 UA	726,000 A (G08)
Total PCBs (µg/kg)	4 A	2,900 A (G07)
2,3,7,8-TCDD (ng/kg)	na	Na

Parameter	Minimum	Maximum (Location)
Total DDTs (µg/kg)	0.2 A	6,500 A (G05)
Dibenzofuran (µg/kg)	50 U	1,700 (G08)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	10 U	540 (G10)
Xylenes (µg/kg)	4 UT	7.4 UT (G06B)

WLCGXV99. Environmental Site Assessment, GATX Terminals Corporation Linnton Terminal (Prepared by KHM Environmental Management, December 1999).

KHM Environmental Management conducted an investigation to provide baseline petroleum hydrocarbon data in subsurface soils at the Linnton Terminal and sediments in the adjacent Willamette River.

A total of eight sediment samples were collected at four locations on October 8, 1999. Stations S-1 and S-2 were located near sump outfalls. Stations S-3 and S-4 were located in the river adjacent to the facility. One surface (0-10 cm) and one subsurface (30-40 cm) sample were collected at each location. Samples were collected using a core-type sampler.

Samples were analyzed for TOC, grain size, ammonia, metals, SVOCs, VOCs, pesticides, and PCBs. Organic carbon ranged from 0.2 to 1.5 percent. Results for surface sediment samples and subsurface samples are provided below in separate tables. Results are reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.6	4.32 (S-1)
Cadmium (mg/kg)	0.5 U	1.02 U (S-3)
Copper (mg/kg)	22.4	28.3 (S-3)
Lead (mg/kg)	16.5	29.4 (S-4)
Mercury (mg/kg)	0.1 U	0.112 (S-4)
Zinc (mg/kg)	68.8	126 (S-4)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	2,000 U	20,400 U (S-3)
Total LPAH (µg/kg)	330 UA	2,250 A (S-2)
Total HPAH (µg/kg)	330 UA	8,670 A (S-2)
Total PCBs (µg/kg)	134 UA	274 UA (S-3)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	6.7UA	29.2 A (S-4)
Dibenzofuran (µg/kg)	330 U	3,370 U (S-3)
4-Methylphenol (µg/kg)	na	na

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.61	6.62 (S-2)
Cadmium (mg/kg)	0.5 U	1.08 U (S-2)
Copper (mg/kg)	26.8	34.4 (S-2)
Lead (mg/kg)	17.8	47 (S-2)
Mercury (mg/kg)	0.149	0.333 (S-1)
Zinc (mg/kg)	69.8	164 (S-2)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	2,000 U	21,500 U (S-2)
Total LPAH (µg/kg)	330 UA	1,670 A (S-3)
Total HPAH (µg/kg)	330 UA	2,750 A (S-4)
Total PCBs (µg/kg)	85.9 A	194 A (S-4)
2,3,7,8-TCDD (ng/kg)	na	Na
Total DDT (µg/kg)	6.7 UA	33.1 A (S-4)
Dibenzofuran (µg/kg)	330 U	3,550 U (S-2)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCMBJ99. Sediment Remedial Design Final Sampling Data Summary Report, McCormick & Baxter Creosoting Company, Portland, OR (Prepared by Ecology and Environment, Inc., February 2001).

Ecology and Environment conducted sediment sampling on behalf of DEQ to support the remedial design for contaminated sediment at the McCormick & Baxter Creosoting Company's Portland facility, located at approximately RM 7.

Phase I of the remedial design sampling was conducted in October 1999 and included surface water and sediment sampling. Thirty-nine sediment samples were collected within approximately 300-400 ft of the facility shoreline, from a mudline depth interval of 0-6 in. Four reference samples were collected at approximately RM 18, 22, 23, and 24. Samples were collected using a ponar grab sampler deployed from a sampling platform or vessel. Samples were composited from three replicate grabs on average, although up to 12 grabs were required at one location to acquire sufficient sample volume. The samples were submitted for grain-size distribution, arsenic, pentachlorophenol, PAHs, and toxicity analyses. Selected samples were analyzed for dioxins/furans.

The sediment samples were composed primarily of sands, which ranged from 72.67 to 100 percent of sample material. Results for indicator chemicals are summarized in the following table. All results were reported in dry weight.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	2.9	11.7
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	10 UA	282,830 A
Total HPAH (µg/kg)	10 UA	102,460 A
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	1 U	4
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WRWSI98. Portland Harbor Sediment Investigation, Multnomah County, Oregon (Prepared by Roy F. Weston, Inc., May 1998).

This Portland Harbor sediment investigation was performed for EPA as part of a site inspection. The EPA site inspection process evaluates actual and potential environmental hazards for purposes of identifying remedial action priorities. The Portland Harbor sediment investigation was conducted between RM 3.5 and 9.5. The purpose of the investigation was to provide a screening level evaluation of sediment contamination within this portion of the LWR.

The following surface sediment, subsurface sediment, and porewater samples were collected and evaluated:

- 150 surface (0-10 cm) sediment samples
- 28 sediment porewater samples
- 37 subsurface sediment cores.

Surface sediment samples were collected using a stainless-steel, modified 0.1-m^2 van Veen grab sampler. Between one and four grabs were retrieved at each station to provide adequate

volumes of sediment for testing. Subsurface samples were collected with a 5-ft gravity corer (3-in. diameter). Core lengths ranged from 1.8 to 4.6 ft and averaged 3.2 ft. Stations SD001-SD151 were located in nearshore areas along both the western and eastern shores. Samples with the suffix "PW" were porewater samples. Subsurface sediment sample identifiers used the "A" suffix.

Sediment samples were generally analyzed for grain size, TOC, metals, and SVOCs. A subset of sediment samples was also analyzed for pesticides and PCBs, titanium, herbicides, organotins, and dioxins/furans. Porewater samples were analyzed for metals and butyltins. Results for surface and subsurface sediment samples are provided below in separate tables. Sediment chemistry results are reported in dry weight. Porewater results are reported in mg/L (wet weight).

Summary Data for Surface Sediment Samples and Porewater.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3 U	16 (SD133 RM 8.1)
Arsenic (mg/L)	0.001 U	0.009 (SD64 RM 6.2)
Cadmium (mg/kg)	0.2 U	2.2 (SD23 RM 4.2)
Cadmium (mg/L)	0.002U	0.002 U
Copper (mg/kg)	15.3	543 (SD133 RM 8.1)
Copper (mg/L)	0.002 U	0.134 (SD128 RM8.1)
Lead (mg/kg)	5	262 (SD32 RM 4.5)
Lead (mg/L)	0.001 U	0.047 (SD128 RM 8.1)
Mercury (mg/kg)	0.01 U	0.86 (SD128 RM 8.1)
Mercury (mg/L)	0.0001 U	0.0001 (SD128 RM 8.1)
Zinc (mg/kg)	64.6	539 (SD133 RM 8.1)
Zinc (mg/L)	0.004 U	0.179 (SD128 RM 8.1)
TBT (µg/kg)	5.7 U	47,000 (SD12 RM 3.8)
TBT (µg/L)	0.02 U	0.5 J (SD128 RM 8.1)
bis(2-ethylhexyl)phthalate (µg/kg)	21	2,100 (SD136 Swan Is.)
Total LPAH (µg/kg)	19 UA	402,400 A (SD64 RM 6.2)
Total HPAH (µg/kg)	45 A	690,000 A (SD33 RM4.5)
Total PCBs (µg/kg)	20 UA	580 A (SD133 RM 8.1)
2,3,7,8-TCDD (nkg)	0.51	1.1 (SD86 RM 7.1)
Total DDT (µg/kg)	1.2 A	3,740 A (SD97 RM 7.5)
Dibenzofuran (µg/kg)	19 U	3,700 (SD64 RM 6.2)
4-Methylphenol (µg/kg)	19 U	1,400 (SD139 Swan Is.)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Sediment Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	4 U	14 (SD133 RM8.1)
Cadmium (mg/kg)	0.3	5.3 (SD143 RM 8.8)
Copper (mg/kg)	36.8	729 (SD133 RM 8.1)
Lead (mg/kg)	13	1,080 (SD143 RM 8.8)
Mercury (mg/kg)	0.04	0.80 (SD133 RM 8.1)
Zinc (mg/kg)	91.3	598 (SD133 RM 8.1)
TBT (µg/kg)	5.7 U	15,000 (SD133 RM 8.1)
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	31 U	5,000 (SD143 RM 8.8)
LPAH (µg/kg)	34 A	69,410 A (SD55C RM 5.7)
HPAH (µg/kg)	135 A	152,700 A (SD35 4.7)
Total PCBs (µg/kg)	15 A	2,379 A (SD133 RM 8.1)
2,3,7,8-TCDD (ng/kg)	0.76 U	1.2 (SD72 RM 6.6)
Total DDT (µg/kg)	2.7 UA	51,000 A (SD92 RM 7.2)
Dibenzofuran (µg/kg)	19 U	3,600 (SD72 RM6.6)
4-Methylphenol (µg/kg)	19 U	450 (SD01 RM 3.3)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

TOSCO99. January 1999 Sediment Sampling Results for Tosco Portland Terminal (Prepared by Exponent, April 29, 1999).

Exponent conducted a sediment investigation at the Tosco Portland Terminal to determine whether sediments proposed for dredging were acceptable for unconfined, open-water disposal.

Sediment cores were collected on January 20-22, 1999, at six locations in the dredged area adjacent to the facility. Cores were composited into two samples for analysis. Core sample intervals ranged from 0-4 to 0-6.8 ft in DMMU 1, and from 0-8 to 0-11 ft in DMMU 2. Cores were collected using a 4-in.-diameter vibracorer with polyethylene (i.e., LEXAN®) core liners.

Samples were analyzed for conventional parameters, metals, SVOCs, PCBs, and pesticides. Organic carbon ranged from 1.97 to 2.24 percent, and samples contained greater than 80 percent fine-grained material. Results for indicator chemicals are presented in the following table. All results were reported in dry weight.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	4 G	5 G (DMMU 1)
Cadmium (mg/kg)	1 U	1 U (DMMU 1 & 2)

Parameter	Minimum	Maximum (Location)
Copper (mg/kg)	44	46 (DMMU 1)
Lead (mg/kg)	21	29 (DMMU 1)
Mercury (mg/kg)	0.2 U	0.2 (DMMU 2)
Zinc (mg/kg)	144	164 (DMMU 1)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	140	370 (DMMU 1)
Total LPAH (µg/kg)	400 A	962 A (DMMU 1)
Total HPAH (µg/kg)	1,133 A	2,309 A (DMMU 1)
Total PCBs (µg/kg)	74 A	240 A (DMMU 1)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	19 A	52 A (DMMU 2)
Dibenzofuran (µg/kg)	13	46 (DMMU 1)
4-Methylphenol (µg/kg)	48	63 (DMMU 2)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLRELF99. Elf Atochem Acid Plant Area Remedial Investigation Interim Data Report (Prepared by Exponent, June 1999).

The purpose of this investigation was to identify and delineate the nature and extent of COIs in soil, groundwater, and sediments related to the former DDT manufacturing facility. Sediments were collected from six riverbank (RB) and six offshore (OS) stations adjacent to the Elf Atochem site.

Riverbank samples were collected on November 23-24, 1998. Riverbank sediment samples were collected from 0-10 cm using a stainless-steel spoon, and from >10 cm using a titanium drive corer. Coring depths to the 90-cm target depth could be achieved at only one station (RB-6). Subsurface refusal limited penetration to 35 cm or less at stations RB-1, RB-2, RB-3, RB-4, and RB-5. Surface sediments and sediment core samples were analyzed for SVOCs, VOCs, TOC, and grain size.

Offshore sediment samples were collected on January 19-20, 1999. Offshore sediments were collected with either a Livingston® gravity corer or with a vibracorer. Sediment cores were sampled for a surface interval (0-10 cm) and a deeper interval (either one 20-cm interval, or, at two stations, an entire 10-to90-cm interval). Sediment samples were analyzed for SVOCs, VOCs, organochlorine pesticides, TOC, and grain size. Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	na	na
bis(2-ethylhexyl) phthalate (µg/kg)	20 UG	1,800 (OSS006)
Total LPAH (µg/kg)	10 UA	2,246 A (OSS004)
Total HPAH (µg/kg)	25.5 A	69,700 A (OSS004)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	57 A	84,909 A (OSS002)
Dibenzofuran (µg/kg)	5 U	76 (OSS004)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	na	na
Bis(2-ethylhexyl)phthalate (µg/kg)	20 U	4,200 (OSS006)
Total LPAH (µg/kg)	10 UA	16,780 A (OSS004)
Total HPAH (µg/kg)	14 A	118,400 A (OSS004)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	122 A	22,556 A (OSS002)
Dibenzofuran (µg/kg)	5 U	360 (OSS004)
4-Methylphenol (µg/kg)	na	na

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLRWTF98. Remedial Investigation Report, Willbridge Facility (Prepared by KHM Environmental Management, December 2000).

KHM Environmental Management conducted an RI of the Willbridge Facility. The purpose of the RI was to determine the need for remedial action. Information was collected to interpret subsurface conditions, evaluate potential human health and ecological risk, and to evaluate characteristics relevant to identifying potential hot spots of contamination. Soil, groundwater, surface water, and sediment samples were collected.

A total of 13 river sediment locations were sampled December 17-18, 1998. Nine stations were located along the site-river interface, two stations were located upstream outside the dock embayment, and two stations were located downstream outside the dock embayment. The draft RI report stated that surface samples were collected from the top 24 in. of sediment at all 13 locations. Sediment was collected using a stainless-steel sediment corer with 3-in.-diameter barrel and slide hammer.

Samples were analyzed for BTEX, PAHs, and metals. Some samples were also analyzed for SVOCs, VOCs, and organochlorine pesticides. Results for indicator chemicals are presented in the following table. All results were reported in dry weight.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1.22	6.53 G (TOS-SD5)
Cadmium (mg/kg)	0.651	5.79 (TOS-SD5)
Copper (mg/kg)	11.3	47.9 (TOS-SD3)
Lead (mg/kg)	10 G	49.3 (GATX-SD2)
Mercury (mg/kg)	0.05 U	0.12 U (TOS-SD3)
Zinc (mg/kg)	17.3 G	73.7 G (CHEV-SD1)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	2,000 UG	4,800 UG (TOS-SD3)
Total LPAH (µg/kg)	6.7 UA	341 A (TOS-SD3)
Total HPAH (µg/kg)	6.7 UA	1,496 A (TOS-SD3)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	3.35 UA	10.6A (GATX-SD3)
Dibenzofuran (µg/kg)	500 UG	1,200 UG (TOS-SD3)
4-Methylphenol (µg/kg)	500 UG	1,200 UG (TOS-SD3)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	50 U	120 UG (TOS-SD3)

PPTLDT24. Sediment Characterization Study Marine Terminal 2, Berths 203-206, Port of Portland (Prepared by Hart Crowser, March 1999).

Hart Crowser conducted a pre-maintenance dredging sediment characterization at Terminal 2 on the Willamette River for the Port of Portland. Maintenance dredging was proposed at Berths 203, 204, 205, and 206 to remove sediment that had accumulated above navigational depths. Sub-tidal sediment cores (5.5 to 6 ft in depth) were collected at five offshore stations to characterize two DMMUs. Two cores in Berth 203 (HC-VC-04 and HC-VC-05) were composited to characterize one DMMU, and three cores from Berths 204-206 (HC-VC-01, HC-VC-02, and HC-VC-03) were composited to characterize a second DMMU.

Subsurface sediment samples were collected on September 15, 1998. The method by which the cores were collected was not described in the report. Sediment cores were sectioned and composited from 0 to -3 ft. Sediment samples were analyzed for metals, SVOCs, VOCs, TBT, pesticides, PCBs, TOC, ammonia, sulfides, TVS, total solids, and grain size.

Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum
Arsenic (mg/kg)	1.4 G	2 G
Cadmium (mg/kg)	0.13 G	0.17 G
Copper (mg/kg)	17.2 G	22.5 G
Lead (mg/kg)	11.6	14.4
Mercury (mg/kg)	0.05	0.06
Zinc (mg/kg)	55.9 G	85.7 G
TBT (µg/kg)	0.02 UG	0.04 U
bis(2-ethylhexyl)phthalate (µg/kg)	120 G	350 G
Total LPAH (µg/kg)	26 A	117 A
Total HPAH (µg/kg)	510 A	1,105 A
Total PCBs (µg/kg)	10 UA	26 A
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2 UA	103 A
Dibenzofuran (µg/kg)	20 U	20 U
4-Methylphenol (µg/kg)	20 U	20 U
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCT4J98. Remedial Investigation Report Terminal 4, Slip 3 Sediments, Port of Portland (Prepared by Hart Crowser, April 2000).

Hart Crowser conducted an RI of Terminal 4, Slip 3 sediments for the Port of Portland. The RI study area consisted of sediments located upriver at the Pier 5 Willamette River Dock, Slip 3, and Wheeler Bay immediately downriver and adjacent to Slip 3. The purpose was to delineate the extent of contamination and to evaluate potential risks to the Willamette River environment and to human health posed by contaminants in river sediments. Sub-tidal surface sediments (0-10 cm) were collected at 44 offshore stations. Nine subsurface samples were collocated with surface sampling stations.

Surface sediment samples were collected on October 12-15, 1998, using a hydraulic grab sampler, and sub-sampled using stainless-steel instruments. Surface sediments were analyzed for pencil pitch, diesel, metals, SVOCs, VOCs, pesticides (on a limited subset of samples), TOC, and grain size.

Subsurface sediment samples were collected on October 12, 1998, using a vibracorer. Sediment cores were sampled for a top layer (0 to 2 ft), a bottom layer (-2 to -4 ft), and a deeper layer (-4 to -6 ft). Subsurface sediment samples were analyzed for pencil pitch, diesel, metals, SVOCs, VOCs, pesticides (on a limited subset of samples), TOC, and grain size.

Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3	14 G (HC-S-02)
Cadmium (mg/kg)	0.2	6.6 G (HC-S-25)
Copper (mg/kg)	15.3	90.1 (HC-S-02)
Lead (mg/kg)	15.2 E	1,160 E (HC-S-19)
Mercury (mg/kg)	0.02 E	0.34 E (HC-S-25)
Zinc (mg/kg)	82 G	1,330 G (HC-S-25)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	50	550 (HC-S-43)
Total LPAH (µg/kg)	233 A	114,000 A (HC-S-02)
Total HPAH (µg/kg)	2,068 A	765,000 A (HC-S-01)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	5 A	39 A (HC-S-16)
Dibenzofuran (µg/kg)	20 UG	860 (HC-S-38)
4-Methylphenol (µg/kg)	20 U	130 (HC-S-19)

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	25 U	2,100 (HC-S-01)
Xylenes (µg/kg)	5 UT	25 UT (HC-S-11, HC-S-43)

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2 G	15 G (HC-S-07)
Cadmium (mg/kg)	0.1 UG	3.3 G (HC-S-07)
Copper (mg/kg)	13.3	83.2 (HC-S-07)
Lead (mg/kg)	3	576 (HC-S-07)
Mercury (mg/kg)	0.02	0.18 (HC-S-07)
Zinc (mg/kg)	37 G	656 G (HC-S-11)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	20 U	180 G (HC-S-39)
Total LPAH (µg/kg)	20 UA	10,000 A (HC-S-42)
Total HPAH (µg/kg)	20 UA	198,000 A (HC-S-42)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	20 U	4000 U
4-Methylphenol (µg/kg)	20 U	4000 U
Diesel range hydrocarbons (mg/kg)	25 U	100 U
Xylenes (µg/kg)	5 T	10 UT (HC-S-11, HC-S-39, HC-S-42)

WLCT0I98. Sediment Characterization Study of Local Sponsors' Berths, Columbia and Willamette River Navigation Channel Deepening, Longview and Kalama, Washington and Portland, Oregon (Prepared by Hart Crowser, February 1999).

The purpose of this investigation was to provide preliminary dredge prism characterization for the dredging of the Columbia and Willamette navigation channels. Two sub-tidal sediment cores were collected at each DMMU identified in the project area. Cores were collected for the proposed dredge prisms at Berth 501, Terminal 6, Berth 401, and the Irving Street Terminal at the Port of Portland; the Harvest States Grain Terminal and the Peavey Grain Terminal at the Port of Kalama; and the Longview Grain Terminal at the Port of Longview. Twelve surface grab samples were also collected from deeper water locations in the Willamette River.

Subsurface sediment cores were collected using a vibracorer on September 14-17, 1998. Sediment cores were sectioned and composited from 0 to -3 ft and -3 to -5 ft. Sediment samples were analyzed for metals, SVOCs, VOCs, TBT, pesticides, PCBs, TOC, ammonia, sulfides, TVS, and total solids.

Surface sediment samples were collected on September 14-15, 1998. The report does not specifically describe the method by which the samples were collected, other than to say they were "grab samples." In addition, no description of the grab sub-sampling scheme was presented. Surface sediment samples were analyzed for metals, SVOCs, VOCs, TBT, pesticides, PCBs, TOC, ammonia, sulfides, TVS, and total solids.

Organic carbon content ranged in the core composites from 0.05 to 1.63 percent, and in the grab samples from 0.65 to 2.27 percent. Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.7	2.4 G (Grab 09)
Cadmium (mg/kg)	0.09 B	0.27 J (Grab 01)
Copper (mg/kg)	12.3	48 (Grab 08)
Lead (mg/kg)	4.64	17.7 (Grab 01)
Mercury (mg/kg)	0.02 U	0.07 (multiple)
Zinc (mg/kg)	38.6	73.9 (Grab 08)
TBT (µg/kg)	0.02 UG	0.12 G (Grab 08)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	1,000 (Grab 12)
Total LPAH (µg/kg)	20 A	155,000 A (Grab 05)
Total HPAH (µg/kg)	212 A	452,000 A (Grab 05)
Total PCBs (µg/kg)	10 UA	14 A (Grabs 10 & 12)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2 UA	65.9 A (Grab 04)
Dibenzofuran (µg/kg)	20 U	10,000 U
4-Methylphenol (µg/kg)	20 U	10,000 U
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1	2.6 (B501-C1)
Cadmium (mg/kg)	0.14 J	0.85 (B501-C1)

Parameter	Minimum	Maximum (Location)
Copper (mg/kg)	14.4	21.8 (B401-C1(
Lead (mg/kg)	9.8	367 (IS-C2)
Mercury (mg/kg)	0.05	0.21 (B401-C1)
Zinc (mg/kg)	53.4	115 G (IS-C2)
TBT (µg/kg)	0.03 G	0.05 G (IS-C1)
Bis(2-ethylhexyl)phthalate (µg/kg)	20 U	220 (IS-C1)
Total LPAH (µg/kg)	45 A	9,654 A (IS-C1)
Total HPAH (µg/kg)	438 A	74,460 A (IS-C1)
Total PCBs (µg/kg)	12 A	7,100 A (IS-C1)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2 UA	479.8 A (B401-C1)
Dibenzofuran (µg/kg)	20 U	27 (IS-C1)
4-Methylphenol (µg/kg)	20 U	77 (B501-C1)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCITH98. International Terminals-Sediment Sampling Event, Memorandum Draft, Portland, OR (Prepared by Schnitzer Steel Products Company, December 1998).

This investigation consisted of surface (10.2 to 12.5 cm) sediment sampling to determine whether sample SD012, collected by Roy F Weston in 1997, is representative of sediment quality near the International Terminal (IT) facility and to establish baseline sediment quality within the slip. The IT property is located at 12005 North Burgard in Portland, OR near RM 4.

Two sediment samples (SD-11 and SD-12) were collected using a $0.1m^2$ van Veen grab sampler on August 18, 1998. The sediment samples were analyzed for total solids, TOC, grain size, total metals, butyltins, organochlorine pesticides, and semivolatile organic compounds.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3	4 (SD12 RM 3.85)
Cadmium (mg/kg)	0.2 U	0.3 (SD12 RM 3.85)
Copper (mg/kg)	30	36 (SD12 RM 3.85)
Lead (mg/kg)	12	24 (SD12 RM 3.85)
Mercury (mg/kg)	0.06	0.07 (SD11 RM 3.78)
Zinc (mg/kg)	62	101 (SD12 RM 3.85)

Parameter	Minimum	Maximum (Location)
TBT (µg/kg)	110	200 (SD03 RM 3.76)
bis(2-ethylhexyl)phthalate (µg/kg)	200	400 (SD12 RM 3.85)
Total LPAH (µg/kg)	100 TA	111 TA (SD11 RM 3.78)
Total HPAH (µg/kg)	1,458 TA	3,341 TA (SD11 RM 3.78)
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2 UTA	9 TA (SD11 RM 3.78)
Dibenzofuran (µg/kg)	5 U	5 U (SD12 RM 3.85)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

PSYSEA98. Portland Shipyard Sediment Investigation Data Report (Prepared by Striplin Environmental Associates, Inc., November 1998).

The purpose of this investigation was to characterize surface and subsurface sediment quality in the vicinity of the Portland Shipyard, develop site-specific sediment quality criteria, and to identify potential sources of contamination.

Sub-tidal sediments were collected at 52 surface and 23 subsurface locations. Surface samples were collected from the top 10 cm of the sediment. Subsurface core samples represented sediments composited over approximate 4-ft intervals (0 to -4 ft, -4 to -8 ft, and -8 to -12 ft). All sediments were collected over a 3-week period beginning on March 31, 1998.

Surface sediment samples were collected from March 31 through April 7, and on April 16, 1998, using a hydraulic grab sampler, and sub-sampled using stainless-steel instruments. Surface sediments were analyzed for selected metals, SVOCs, TOC, total solids, and grain size. All but five samples were analyzed for porewater TBT and ammonia. Selected stations were analyzed for pesticides, and VOCs.

Subsurface sediment samples were collected from April 14-16, 1998, using a vibracorer. Subsurface sediment samples for 15 cores were analyzed in 4-ft intervals for metals, SVOCs, PCBs, TOC, and grain size. Additionally, two cores were analyzed at 1-ft intervals for selected total metals, bulk TBT, and grain size.

Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2	17 (PSY27)
Cadmium (mg/kg)	0.1 U	23 (PSY08)
Copper (mg/kg)	15.6	655 (PSY27)
Lead (mg/kg)	10.2	96.6 (PSY21)
Mercury (mg/kg)	0.05 U	0.54 (PSY49)
Zinc (mg/kg)	66	683 E (PSY10)
TBT (µg/kg)	0.025 U	11 (PSY27)
bis(2-ethylhexyl)phthalate (µg/kg)	94 B	7,590 J (PSY08)
Total LPAH (µg/kg)	10 A	2,467 A (PSY12)
Total HPAH (µg/kg)	10 A	17,268 A (PSY12)
Total PCBs (µg/kg)	10 UA	2,500 A (PSY14)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	2 UA	153 A(PSY27)
Dibenzofuran (µg/kg)	10 U	204 (PSY10)
4-Methylphenol (µg/kg)	100 U	760 (PSY77)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	5 U	25 U

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2 U	21 (PSY30C, 36C)
Cadmium (mg/kg)	0.1 U	1.6 (PSY30C)
Copper (mg/kg)	10.5	1,580 (PSY30C)
Lead (mg/kg)	2.1	146 (PSY30C)
Mercury (mg/kg)	0.02	0.72 (PSY27C)
Zinc (mg/kg)	24	1,340 (PSY30C)
TBT (µg/kg)	1 U	90,000 (PSY30C)
bis(2-ethylhexyl)phthalate (µg/kg)	100 U	16,000 G (PSY36C)
Total LPAH (µg/kg)	10 UA	5,780 A (PSY36C)
Total HPAH (µg/kg)	10 UA	13,420 A (PSY36C)
Total PCBs (µg/kg)	10 A	2,290 A (PSY20C)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	10 U	266 G (PSY36C)
4-Methylphenol (µg/kg)	100 UG	157 G (PSY01C)

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

PSYD&M97. Results of Sediment Investigation to Identify Chemicals in the Vicinity of the Portland Shipyard (Prepared by Dames & Moore, 1998).

In November 1997 and January 1998, Dames & Moore collected three subsurface (DM-20 and DM-24C1 and DM-24C2) and five surface (DM-1, DM-9, DM-16, DM-18, and DM-22) sediment samples in the Portland Shipyard area. Stations DM-12, DM-16, and DM-21 were located in Swan Island Lagoon. Surface samples were collected from the top 10 cm. Subsurface sample cores ranged from 106 to 198 cm in depth. The remaining stations were located within the drydock area of the shipyard. No project narrative, including objectives, methods, or sampling gear, is provided. All samples were analyzed for heavy metals, SVOCs, PCBs, and TOC.

Results for indicator chemicals in surface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	4.49	7.18 (DM-16)
Cadmium (mg/kg)	0.5 U	1.53 (DM-16)
Copper (mg/kg)	38.1	146 (DM-9)
Lead (mg/kg)	12.3	53.5 (DM-16)
Mercury (mg/kg)	0.09	0.27 (DM-22)
Zinc (mg/kg)	71.3	397 (DM-16)
TBT (µg/kg)	92	1,158 (DM-18)
bis(2-ethylhexyl)phthalate (µg/kg)	779	1,920 B (DM-22)
Total LPAH (µg/kg)	29.4 A	342.8 A (DM-16)
Total HPAH (µg/kg)	314.4 A	2,256.3 A (DM-16)
Total PCBs (µg/kg)	40 UA	168 A (DM-1)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	50 U	50 U

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.16	4.6 (DM-20)
Cadmium (mg/kg)	1.29 E	1.98 E (DM-20)
Copper (mg/kg)	27.8	55.8 (DM-20)
Lead (mg/kg)	10 U	28.9 (DM-20)
Mercury (mg/kg)	0.05 U	0.73 (DM-24C2)
Zinc (mg/kg)	69.2	141 (DM-20)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	13 UB	425 (DM-20)
Total LPAH (µg/kg)	6.7 UA	318 A (DM-20)
Total HPAH (µg/kg)	6.7 UA	1,700.8 A (DM-20)
Total PCBs (µg/kg)	40 UA	150 A (DM-20)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WRD&M98. Results of Sediment Investigation to Identify Chemicals in the Vicinity of the Portland Shipyard (Prepared by Dames & Moore, 1998).

In January 1998, Dames & Moore collected surface sediment samples from 12 stations in the vicinity of the Portland Shipyard. No project narrative, including objectives, methods, or sampling gear, is provided.

Stations were identified as DM-A through DM-L. All stations were located along the eastern shore between RM 7 and RM 11. Stations DM-A, DM-B and DM-C were located at RM 10.7; stations DM-D, DM-E, and DM-F were located at RM 9.9; DM-G was located at RM 9; DM-H was located at RM 8.3, DM-I and DM-J were located off Triangle Park at RM 7.7; and DM-K and DM-L were located off the McCormick & Baxter Site at RM 7. Surface samples were collected from the top 10 cm. All samples were analyzed for heavy metals, SVOCs, PCBs and TOC.

Results for indicator chemicals in surface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.88	5.86 (DM-B)
Cadmium (mg/kg)	0.5 UE	2.13 E (DM-B)
Copper (mg/kg)	24.4	46.7 (DM-J)
Lead (mg/kg)	10 U	31.4 (DM-F)
Mercury (mg/kg)	0.05 U	1.06 (DM-C)
Zinc (mg/kg)	60.6	119 (DM-B)
TBT (µg/kg)	2	36 (DM-I)
bis(2-ethylhexyl)phthalate (µg/kg)	435 B	7,330 B (DM-I)
Total LPAH (µg/kg)	14 A	856.2 A (DM-B)
Total HPAH (µg/kg)	153.3 A	7,905 A (DM-B)
Total PCBs (µg/kg)	40 UA	109 A (DM-F)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCT4J97. Sediment Characterization Study Terminal 4, Berth 416, Port of Portland (Prepared by Hart Crowser, March 1998).

The purpose of this investigation was to characterize sediment in the proposed maintenance dredging area in Terminal 4, Berth 416 in order to assess the quality of the proposed dredge prism and to determine appropriate dredged sediment disposal options. The dredge prism was divided into two separate DMMUs. Two sub-tidal sediment cores were collected within the prism for each DMMU. Two separate samples from cores HC-VC-102 and HC-VC-103 were submitted to characterize one DMMU, and a composite of cores HC-VC-104 and HC-VC-105 was submitted to characterize a second DMMU.

The methods by which the cores were collected, processed, and sub-sampled were not described in the report. Sediment from throughout the entire length of the cores was homogenized for each sample. Subsurface sediment samples were analyzed for metals, SVOCs, pesticides, PCBs, TBT, TOC, ammonia, sulfides, TVS, and total solids.

Organic carbon content ranged from 1.28 to 3.14 percent. Results for indicator chemicals in subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3.38 J	4.66 J (C104105)
Cadmium (mg/kg)	0.5 U	0.5 U
Copper (mg/kg)	15.5	34.2 (HC-VC-103)
Lead (mg/kg)	9.53	17.7 (HC-VC-103)
Mercury (mg/kg)	0.0717	0.254 (HC-VC-103)
Zinc (mg/kg)	74.4	123 (C104105)
TBT (µg/L)	0.0089 U	0.012 (HC-VC-102)
bis(2-ethylhexyl) phthalate (µg/kg)	500 U	500 U
Total LPAH (µg/kg)	455.7 A	1,804.3 A (C104105)
Total HPAH (µg/kg)	1,225.6 A	4,807.7 A (C104105)
Total PCBs (µg/kg)	20 UA	20.6 A (C104105)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	1 UA	14.35 A (C104105)
Dibenzofuran (µg/kg)	31.8	93.8 (C104105)
4-Methylphenol (µg/kg)	40 U	69.1 (HC-VC-103)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

RIEDEL97. Baseline Sediment Assessment (Prepared by Maul Foster & Associates, November 20, 1997).

Maul Foster & Associates completed two phases of work supporting Triangle Park's purchase of the former Zidell property, located immediately south of the McCormick & Baxter site. The first phase of work had no supporting data report, only a summary table and associated laboratory report. Data with the survey code, RIEDEL96, were collected in this first phase of work on August 30, 1996. The second phase of work, RIEDEL97, is reported in the Baseline Sediment Assessment, dated November 20, 1997.

In the first phase of work, divers collected seven cores (SED-1 through SED-7) by pushing 2.5-ft-long Shelby tubes into the sediment. Core lengths ranged from 0.6 to 1.6 ft. Stations were located nearshore, extending from the southern property boundary (SED-1) to the northern property boundary (SED-7). Samples were analyzed for metals, PCBs, and butyltins. Indicator chemical results (dry weight) are summarized below.

RIEDEL96 Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	4	35 (SED-4)
Cadmium (mg/kg)	1 U	1 U

Parameter	Minimum	Maximum (Location)
Copper (mg/kg)	na	na
Lead (mg/kg)	20 U	60 (SED-4)
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	3 U	32,000 (SED-4)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	na	na
Total HPAH (µg/kg)	na	na
Total PCBs (µg/kg)	100 UA	200 UA (several samples)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

In the second phase of work, Maul Foster & Associates collected eight cores using an impact corer and generally split the cores into surface samples (0-15 cm) and from one to five subsurface samples of various lengths. The longest core length was approximately 15 ft (up to 460 cm). Stations were distributed around the dock and pilings. Phase II sediment samples were analyzed for limited metals, limited SVOCs (including PAHs), and butyltins. Results for surface sediment samples and subsurface samples are provided below in separate tables. Results are reported in dry weight.

RIEDEL97 Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	3	6 (SED-10)
Cadmium (mg/kg)	na	na
Copper (mg/kg)	38	56 (SED-10)
Lead (mg/kg)	20 U	28 (SED-13)
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	3	380 (SED-10)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	64 A	169 A (SED-10)
Total HPAH (µg/kg)	338 A	1,095 A (SED-10)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDTs (µg/kg)	na	na
Dibenzofuran (µg/kg)	5 U	10 (SED-10)
4-Methylphenol (µg/kg)	na	na

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

RIEDEL97 Summary Data for Subsurface Sediment Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	1 U	32 (SED-10)
Cadmium (mg/kg)	na	na
Copper (mg/kg)	12	218 (SED-10)
Lead (mg/kg)	20 U	204 (SED-15)
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/kg)	1 UH	24,000 (SED-10)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	5 UA	3,223 A (SED-16)
Total HPAH (µg/kg)	5 UA	6,665 A (SED-16)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	5 U	52 GH (SED-10)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLR0797. Results of July 1997 Willamette River Sediment Study (Prepared by U.S. Army Corps of Engineers, Portland District).

This Willamette River sediment study for a proposed channel deepening project is composed of laboratory data sheets for theUSACE, Portland District. No project narrative, including objectives, methods, sampling interval(s), or sampling locations, is provided. However, sediment chemistry data are provided for 18 surface sediment samples (including three composites and two field duplicates) and 34 subsurface sediment core samples (eight of which are field duplicates).

Surface sediment samples were collected on July 24-25, 1997, from the 0- to 10-in. depth interval. Surface sediments were analyzed for metals, SVOCs, TBT, DDT, PCBs, TVS, total solids, TOC, and grain size.

Subsurface sediment samples were collected from July 22-25, 1997. Core depths ranged from 6 to 20 ft. Sediment cores were sampled for layers of varying thickness. Subsurface sediment samples were also analyzed for the same parameters as for surface sediment.

Results for indicator chemicals in surface and subsurface samples are presented in the following tables. All results were reported in dry weight.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.6	4 (WR-BC-10)
Cadmium (mg/kg)	0.05	0.93 (WR-BC-07)
Copper (mg/kg)	8	39 (WR-BC-15)
Lead (mg/kg)	3.9	32.2 (WR-BC-36)
Mercury (mg/kg)	0.01	0.17 (C16/17)
Zinc (mg/kg)	45.2	171 (WR-BC-36)
TBT (µg/kg)	0.01 J	0.42 (WR-BC-23)
bis(2-ethylhexyl)phthalate (µg/kg)	na	Na
Total LPAH (µg/kg)	2.5 A	395,500 A (WR-BC-22)
Total HPAH (µg/kg)	2 A	1,024,100 A (WR-BC-22)
Total PCBs (µg/kg)	4 A	105 A (WR-BC-36)
2,3,7,8-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	0.2 A	17.3 A (WR-BC-21)
Dibenzofuran (µg/kg)	0.9 G	2,100 G (WR-BC-22)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.5 U	19.7 (WR-CD-43)
Cadmium (mg/kg)	0.03	2.12 (WR-CD-43)
Copper (mg/kg)	8.9	70.1 (WR-CD-43)
Lead (mg/kg)	1.2	489 (WR-CD-43)
Mercury (mg/kg)	0.01 E	0.87 E (WR-CD-42)
Zinc (mg/kg)	10.8	190 (WR-GC-39)
TBT (µg/kg)	0.5 U	0.5 U
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	1.4 A	1,484 A (WR-GC-11)
Total HPAH (µg/kg)	2 A	5,654 A (WR-GC-11)
Total PCBs (µg/kg)	5 A	246 A (WR-CD-42)
2,3,7,8-TCDD (ng/kg)	na	na

Parameter	Minimum	Maximum (Location)
Total DDT (µg/kg)	0.3 A	198 (WR-GC-24)
Dibenzofuran (µg/kg)	0.5 G	85 G (WR-GC-18)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCASF97. Assessment of the Nature of PAH in Surface Sediments along the Southwestern Shore of Portland Harbor Superfund Site, Portland, OR (Prepared by Battelle, 2002).

This investigation consisted of surface sediment sampling to characterize the nature of PAHs in surface sediments along the southwestern shore of the Portland Harbor Superfund Site. Sediment sampling occurred from RM 4 to 9, including areas close to the Willbridge Area, Time-ExxonMobil-ARCO Terminals, BP (ARCO), Phillips Petroleum (Tosco), ChevronTexaco, and Time Oil, (collectively referred to as the Light Products Study Group; LPSG). The primary objective of this study was to use detailed chemical "fingerprinting" techniques to assess the nature and concentration of PAHs that occur within the Study Area.

Battelle Laboratory collected surface sediment (0 to 10 cm) from June 11 through June 13, 1997. Samples were collected using a 0.1-m^2 van Veen grab sampler, and 39 samples were collected. Thirty-six samples, including two field replicates and one trip blank, were analyzed. Most sediment samples collected represented 6 to 8 in. of penetration, except for stations in the Willbridge area (S-001 to S-013), which achieved penetration depths of 4 in. or less due to a clay substrate that prevented full penetration with the van Veen grab sampler. All samples were analyzed for TPH, PAHs, biomarkers, grain size, and TOC. Each of the sediment extracts was quantitatively analyzed in order to provide both concentration data and a fingerprint of the C_{27}-C_{35} pentacyclic triterpanes and C_{27}-C_{29} regular steranes and rearranged steranes. Also, qualitative distributions of the alkylcyclohexanes and C_{13}-$_{17}$ sesquiterpanes were also obtained.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	78 TA	56,500,105 TA (LPSG-S-017-R-

Parameter	Minimum	Maximum (Location)
		1 RM 6.3)
Total HPAH (µg/kg)	339 TA	6,855,256 TA (LPSG-S-017-R-1 RM 6.3)
Total PCBs (µg/kg)	na	na
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	4	99,303 (LPSG-S-017-R-1 RM 6.3)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCT4E97. Sediment Characterization Study River Terminal 4, Slip 3 Willamette River, Portland OR (Prepared by Hart Crowser, August 1997)

This investigation consisted of sediment sampling in order to characterize material to be removed during routine maintenance dredging at Terminal 4, Slip 3, Berth 410 and 411, RM 5, to maintain berth elevation of -40 ft below CRD. This investigation also determined the suitability of sediment for in-water disposal at the Morgan Bar disposal site. Sediments unacceptable for in-water disposal would be disposed of at an approved confined location.

Subsurface sediment sampling was conducted by Hart Crowser on May 4, 1997 using a vibracorer. Six cores were collected at approximately 100-ft intervals along a transect parallel to the dock face (HC-VC-01 through HC-VC-06). This provided two cores in each of the three DMMUs. The two cores from each DMMU were composited. Sediment cores at each location were collected from the sediment-water interface down to an elevation of -41.0 ft. The location of Sediment Samples HC-VC-01 and HC-VC-02 were moved closer to the face of the pier at the request of the USACE.

Subsurface Core ID	DMMU	Composite Sample ID	Approximate Interval	Interval Description
HC-VC-01	T4/1	HC-T4-01	0-4 ft	Proposed dredging depth (including 1-ft overdredge)
HC-VC-02				
HC-VC-03	T4/2	HC-T4-02	0-5 ft	Proposed dredging depth (including 1-ft overdredge)
HC-VC-04				
HC-VC-05	T4/3	HC-T4-03	0-5 ft	Proposed dredging depth (including 1-ft overdredge)
HC-VC-06				

All sediment samples were analyzed for metals, butyltins, phenols, LPAHs, HPAHs, chlorinated hydrocarbons, phthalates, miscellaneous extractables, PCBs, pesticides, and conventional parameters (grain size, percent solids, TVS, TOC, total sulfides, and ammonia).

At the request of the USACE, archived sediment samples collected from below the proposed dredge prism were submitted for the analysis of PAHs, TOC, cadmium, lead, and zinc.

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	4.76	7.2 (T4/3 RM 4.57)
Cadmium (mg/kg)	0.5	15.6 (T4/3 RM 4.57)
Copper (mg/kg)	31.9	38.4 (T4/3 RM 4.57)
Lead (mg/kg)	22.6	167 (T4/3 RM 4.57)
Mercury (mg/kg)	0.05 U	0.05 U (T4/3 RM 4.57)
Zinc (mg/kg)	97 J	236 J (T4/3 RM 4.57)
TBT (µg/L)	0.025 U	0.048 (T4/3 RM 4.57)
bis(2-ethylhexyl)phthalate (µg/kg)	863 B	1,500 JT (T4/2 RM 4.55)
Total LPAH (µg/kg)	791 TA	3,023.1 TA (T4/3 RM 4.57)
Total HPAH (µg/kg)	5,618 TA	24,293 TA (T4/3 RM 4.57)
Total PCBs (µg/kg)	39.5 TA	100 UTA(T4/2 RM 4.55)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	5 UT	10.6 T (T4/2 RM 4.55)
Dibenzofuran (µg/kg)	37.1	79 (T4/3 RM 4.57)
4-Methylphenol (µg/kg)	40 U	40 U (T4/3 RM 4.57)
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCWQH99. Investigation of the Distribution of Organochlorine and Polycyclic Aromatic Hydrocarbon Compounds in the Lower Columbia River Using Semipermeable Membrane Devices, Portland, OR (Prepared by USGS, 1999).

Organochlorine compounds and PAH compounds are of concern because they can have important biological consequences at concentrations below the detection limits associated with conventional water-sampling techniques. The authors used semipermeable membrane devices (SPMDs) to sample water and achieved sub-part-per-quintillion detection limits. The SPMDs were deployed during low-flow conditions in 1997 and high-flow conditions in 1998, at nine mainstem sites and seven sites near the mouths of tributaries. Streambed sediment samples were collected at three sites in the Lower Columbia River. One of the sediment sample stations was at the mouth of the Willamette River. Sediment samples were processed by wet sieving through a 63-µm stainless steel sieve with site water. The sediment samples were placed in 1-qt methanol-rinsed glass containers, and shipped on ice to the laboratory for analyses.

Sediments were analyzed for polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, PCBs, organochlorine pesticides and related transformation products, and PAHs. Minimum and maximum concentrations are as follows:

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	na	na
Cadmium (mg/kg)	na	na
Copper (mg/kg)	na	na
Lead (mg/kg)	na	na
Mercury (mg/kg)	na	na
Zinc (mg/kg)	na	na
TBT (µg/L)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	133 TA	133 TA (SN06 RM 12.7)
Total HPAH (µg/kg)	678 TA	678 TA (SN06 RM 12.7)
Total PCBs (µg/kg)	14.7 TA	14.7 TA (SN06 RM 12.7)
2,3,7,8,-TCDD (ng/kg)	U	U (SN06 RM 12.7)
Total DDT (µg/kg)	8.5 TA	8.5 TA (SN06 RM 12.7)
Dibenzofuran (µg/kg)	na	na
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na

WLCZDI00. Remedial Action Record of Decision Zidell Waterfront Property DEQ Northwest Region Voluntary Cleanup Program (Prepared by Oregon Department of Environmental Quality, June 2005).

DEQ prepared the record of decision (ROD), which presents the selected remedial action for the waterfront property owned by ZRZ Realty Company (Zidell) between RM 13 and 15. The remedial action addresses the presence of metals, PAHs, PCBs, and TBT and its degradation products in contaminated soil and/or sediment at the Zidell waterfront site.

The nature and extent of contamination found during the Willamette River sediment investigations included the sampling and analysis of 72 bulk sediment and 21 pore water samples. The COIs included in the analytical testing included PCBs, PAHs, metals, butyltins, and TPH. An additional investigation was conducted to characterize the contaminant distribution in the riverbank to support development of remedial alternatives for the feasibility study. A total of 28 transects were surveyed along the bank and soil samples were collected at elevations of approximately 13 ft and 24 ft City of Portland (COP) and analyzed for metals, PAHs, PCBs, and organotins. Four rounds of sampling were conducted to collect sediment samples from the Willamette River adjacent to the facility. Surface sediment is defined as sediment collected from the biologically active zone (to a depth of 30 cm below mudline). Subsurface sediment samples were collected at depths ranging from 1 to 10 ft below mudline.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2 U	25 (WRS09 RM 13)
Arsenic (mg/L)	0.001 U	0.0042 (WRS28 RM13)
Cadmium (mg/kg)	0.124 U	6.5 (WRS38 RM 13)
Cadmium (mg/L)	0.0005 U	0.0005 U (WRS22 RM 14)
Copper (mg/kg)	1.57 U	1,210 (WRS09 RM 13)
Copper (mg/L)	0.001 U	0.012 (WRS28 RM 13)
Lead (mg/kg)	2.1 U	2,290 (WRS18 RM 13)
Lead (mg/L)	0.0005 U	0.0032 (WRS28 RM 13)
Mercury (mg/kg)	0.016 U	1.4 T (WRS26 RM 13)
Mercury (mg/L)	0.002 U	0.002 U (WRS22 RM 14)
Zinc (mg/kg)	35	1,640 (WRS09 RM 13)
Zinc (mg/L)	0.004 U	0.026 (WRS28 RM 13)
TBT (µg/L)	0.0056 U	0.6 (WRS22 RM 14)
TBT (µg/kg)	0.0013 U	1,990 (WRS20 RM 14)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	0.0088 UT	4,330 T (WRS16 RM 13)
Total HPAH (µg/kg)	0.0734 T	22,200 t (WRS15 RM 13)
Total PCBs (µg/kg)	0.24 UT	7,100 (WRS09 RM 13)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	5 U	440 (WRS16 RM 13)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	0.064 U	110 U (WRS28 RM 13)
Xylenes (µg/kg)	na	na

Summary Data for Subsurface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2	7.5 (WRS46 RM 14)
Cadmium (mg/kg)	1 U	3.6 (WRS46 RM 14)
Copper (mg/kg)	14	1,050 (WRS07 RM 13)
Lead (mg/kg)	2.1 U	972 (WRS07 RM 13)
Mercury (mg/kg)	0.016 U	1.3 (WRS07 RM 13)
Zinc (mg/kg)	41	2,270 (WRS07 RM 13)
TBT (µg/kg)	0.0015 U	14,000 (WRS06 RM 13)
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	3.5 UT	600 UT (WRS02 RM 13, etc.)*
Total HPAH (µg/kg)	3.9 UT	600 UT (WRS02 RM 13, etc.)*
Total PCBs (µg/kg)	100 U	2,300 U (WRS03 RM 13)
2,3,7,8,-TCDD (ng/kg)	na	na

Parameter	Minimum	Maximum (Location)
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	300 U	600 (WRS16 RM 13)*
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	0.064 U	110 U (WRS28 RM13)
Xylenes (µg/kg)	5 U	10 U (WRS02 RM 13)

* There are several stations with this maximum value.

WLCRIF01. Staff Report Proposed Remedial Action for Ross Island Sand and Gravel, Portland, OR (Prepared by Oregon Department of Environmental Quality, September, 2005).

DEQ prepared this report, which summarizes the more detailed information presented in the RI/FS reports prepared by DEQ in November 9, 1999. The Ross Island Sand and Gravel site is located on Ross and Hardtack Islands at approximately RM 15.

More than 70 surface sediment samples were collected and analyzed from the Ross Island Lagoon during the first and second phases of the investigation, which were completed by Ross Island Sand and Gravel. Phase I sediment data were entered into the project database under the survey code of WLCRIV99. The Port of Portland also conducted Phase I studies; data are provided under survey code WLCRIL99. In terms of Phase II data, the LWG uploaded data from surface sediment samples collected from two locations: the eastern channel outside of Ross Island Lagoon and upstream of Ross Island. The minimum and maximum concentrations reported in Phase II (i.e., samples collected outside of Ross Island Lagoon) are summarized in the following table.

Summary Data for Surface Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.19	3.69 (HS-1 RM 14)
Cadmium (mg/kg)	0.258 U	0.339 U (HS-1 RM 14)
Copper (mg/kg)	18.8	32 (HS-1 RM 14)
Lead (mg/kg)	7.13	9.86 (HS-1 RM 14)
Mercury (mg/kg)	0.0312 J	0.0606 (HS-1 RM 14)
Zinc (mg/kg)	57.5	72.3 (HS-4 RM 13)
TBT (µg/L)	0.00816 U	0.0175 U (HS-5 RM 13)
bis(2-ethylhexyl)phthalate (µg/kg)	30.2 U	54 U (HS-2 RM 14)
Total LPAH (µg/kg)	2.68 T	8.96 T (HS-2 RM 14)
Total HPAH (µg/kg)	13.8 T	35.3 T (HS-5 RM 13)
Total PCBs (µg/kg)	11.8 U	19.2 U (HS-1 RM 14)
2,3,7,8,-TCDD (ng/kg)	na	na
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	16.4 U	25.1 U (HS-1 RM 14)
4-Methylphenol (µg/kg)	na	na

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/kg)	31.9 U	46.2 U (HS-1 RM 14)
Xylenes (µg/kg)	na	na

WLTASE03. ODHS/EPA/ATSDR Fish Contaminant Study (Prepared by ODHS, USEPA and ASTDR, 2003).

This study was conducted by the Oregon Department of Health Sciences (ODHS), EPA, and ATSDR. The results presented in the following tables are from fish tissue collected by the Oregon Department of Fish and Wildlife (ODFW) and EPA from three species: sturgeon, Chinook salmon, and the Pacific lamprey. Sturgeon were collected using a set line, Chinook salmon were collected from the Clackamas Fish Hatchery using dip nets, and Pacific lamprey were collected at Willamette Falls using unknown methods. All concentrations shown are in wet weight.

Sturgeon Fillet without Skin (Collected August 11-13 and August 25-27, 2003).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.77	2.76 (RM 3.5-9.2)
Cadmium (mg/kg)	0.049 UT	0.05 U (RM 3.5-9.2)
Copper (mg/kg)	0.65	1.2 (RM 3.5-9.2)
Lead (mg/kg)	0.049 UT	0.078 (RM 3.5-9.2)
Mercury (mg/kg)	0.0963	0.322 T (RM 3.5-9.2)
Zinc (mg/kg)	10.2	13.7T (RM 3.5-9.2)
TBT (µg/kg)	na	na
bis (2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	3.1 JT	23.1 T (RM 3.5-9.2)
Total HPAH (µg/kg)	0.9 JT	15 UT (RM 3.5-9.2)
Total PCB Aroclors (µg/kg)	43	430 JT (RM 3.5-9.2)
Total PCB Congeners (µg/kg)	84.7	964 (RM 3.5-9.2)
2,3,7,8-TCDD (pg/g)	0.06	0.234 (RM 3.5-9.2)
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	0.8 J	3.9 U (RM 3.5-9.2)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na
Pesticides* (µg/kg)	38 JT	125 JT (RM 3.5-9.2)

*Pesticides=2,2' and 2,4'-DDD, -DDE, and -DDT

Chinook Fillet (Collected on June 20, 2003).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.4	3.99 (Clackamas Fish Hatchery)
Cadmium (mg/kg)	0.05	0.05 U (Clackamas Fish Hatchery)
Copper (mg/kg)	1.6	1.7 (Clackamas Fish Hatchery)
Lead (mg/kg)	0.05	0.05 U (Clackamas Fish Hatchery)
Mercury (mg/kg)	na	na
Zinc (mg/kg)	14.5	15.2 (Clackamas Fish Hatchery)
TBT (µg/kg)	na	na
bis (2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	1.8 JT	5.4 T (Clackamas Fish Hatchery)
Total HPAH (µg/kg)	15 UT	16 UT (Clackamas Fish Hatchery)
Total PCB Aroclors (µg/kg)	9.5 J	20 J (Clackamas Fish Hatchery)
Total PCB Congeners (µg/kg)	8.71	15.3 (Clackamas Fish Hatchery)
2,3,7,8-TCDD (pg/g)	0.028 UT	0.038 U (Clackamas Fish Hatchery)
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	3.8 U	4 U (Clackamas Fish Hatchery)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na
Pesticides* (µg/kg)	3.6 UT	12 JT (Clackamas Fish Hatchery)

Pesticides=2,2' and 2,4'-DDD, -DDE, and -DDT

Chinook Whole Body (June 20, 2003).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	2.4	2.95 T (Clackamas Fish Hatchery)
Cadmium (mg/kg)	0.049 U	0.05 UT (Clackamas Fish Hatchery)
Copper (mg/kg)	4.13	4.53 T (Clackamas Fish Hatchery)
Lead (mg/kg)	0.049 U	0.05 UT (Clackamas Fish Hatchery)
Mercury (mg/kg)	0.0448	0.1 (Clackamas Fish Hatchery)
Zinc (mg/kg)	66.6 T	112 (Clackamas Fish Hatchery)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	3.9 UT	6.5 JT (Clackamas Fish Hatchery)
Total HPAH (µg/kg)	1 JT	16 UT (Clackamas Fish Hatchery)
Total PCB Aroclors (µg/kg)	39 J	19 (Clackamas Fish Hatchery)
Total PCB Congeners (µg/kg)	6.89	17.1 T (Clackamas Fish Hatchery)
2,3,7,8-TCDD (pg/g)	0.041 U	0.051 (Clackamas Fish Hatchery)

Parameter	Minimum	Maximum (Location)
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	0.7 J	3.9 U(Clackamas Fish Hatchery)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na
Pesticides* (µg/kg)	5.4 JT	7.9 T (Clackamas Fish Hatchery)

*Pesticides=2,2' and 2,4'-DDD, -DDE, and -DDT

Pacific Lamprey Whole Body (Collected May 22, 2003).

Parameter	Minimum	Maximum (Location)
Arsenic (mg/kg)	0.61	0.86 (Willamette Falls)
Cadmium (mg/kg)	0.16	0.2 (Willamette Falls)
Copper (mg/kg)	12.3	15.2 (Willamette Falls)
Lead (mg/kg)	0.047 U	0.36 (Willamette Falls)
Mercury (mg/kg)	0.125	0.168 (Willamette Falls)
Zinc (mg/kg)	52.6	62.9 (Willamette Falls)
TBT (µg/kg)	na	na
bis(2-ethylhexyl)phthalate (µg/kg)	na	na
Total LPAH (µg/kg)	3.6 JT	48.1 JT(Willamette Falls)
Total HPAH (µg/kg)	9.6 JT	20 UT (Willamette Falls)
Total PCB Aroclors (µg/kg)	39 J	50 (Willamette Falls)
Total PCB Congeners (µg/kg)	38.5	48.6 (Willamette Falls)
2,3,7,8-TCDD (pg/g)	0.041 U	0.052 (Willamette Falls)
Total DDT (µg/kg)	na	na
Dibenzofuran (µg/kg)	2.9 J	4.9 UJ (Willamette Falls)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/kg)	na	na
Xylenes (µg/kg)	na	na
Pesticides* (µg/kg)	23 UJT	28 UJT (Willamette Falls)

*Pesticides=2,2' and 2,4'-DDD, -DDE, and -DDT

WLCSLH01. Supplemental Investigation Report, Siltronic TZW Data (Prepared by Maul Foster & Alongi, Inc., September 8, 2005).

In 2004, Mual Foster and Alongi, Inc. (MFA) completed an in-river investigation of the lateral and vertical extent of trichloroethylene (TCE) and its degradation products in TZW and deeper groundwater. At DEQ's direction, the investigation also included data collection

for in-river impacts related to manufactured gas plants (MGPs). TZW samples (collected from 1-2 ft below mudline) were collected from eight locations between September 30, 2004 and October 29, 2004. The samples were collected with direct-push (Geoprobe®) equipment deployed from a barge, and using a peristaltic pump with dedicated (i.e., single-use) tubing. The TZW samples were analyzed for VOCs, PAHs, cyanide, and DRH. Surface sediment and deeper soil samples, along with deep groundwater samples, were also collected. The results were reported to DEQ, EPA, and its partners in a letter to Matt McClincy dated February 1, 2005 (re: Results of In-River Investigation).

In 2005, MFA completed a supplemental in-river investigation that completely delineated the lateral and vertical extent of TCE and its degradation products in TZW and deeper groundwater. At DEQ's direction, the investigation also included data collection for MGP-related impacts in the river. TZW samples (collected from 0-1 ft below mudline) were collected from 41 locations between May 9, 2005 and June 1, 2005. The samples were collected with direct-push (Geoprobe®) equipment deployed from a barge, and using a peristaltic pump with dedicated (i.e., single-use) tubing. The TZW samples at all locations were analyzed for VOCs. Thirteen TZW samples were also analyzed for PAHs, cyanide, and metals (unfiltered). Deep groundwater samples and surface water samples were also collected. The results were reported to DEQ, EPA, and its partners in MFA's Supplemental Investigation Report (September 8, 2005).

Summary Data for TZW Samples.

Parameter	Minimum	Maximum (Location)
Arsenic (dissolved) mg/L	0.003 U	0.034 (P-5 RM 6.5)
Arsenic (total) mg/L	0.02 U	0.02 U (GP55 RM 6.4)*
Cadmium (dissolved) mg/L	0.001 U	0.002 U (P-1A RM6.4
Copper (dissolved) mg/L	0.001 U	0.327 (P-5 RM6.5)
Copper (total) mg/L	0.01 UT	0.173 (GP62 RM 6.4)
Lead (dissolved) mg/L	0.005 U	0.036 (P-5 RM 6.5)
Lead (total) mg/L	0.02 U	0.13 (GP62 RM 6.4)
Mercury (mg/kg)	na	na
Zinc (dissolved) mg/L	0.008 J	1.69 (P-5 RM 6.5)
Zinc (total) mg/L	0.01 U	0.983 (GP62 RM 6.4)
TBT (µg/kg)	na	na
bis (2-ethylhexyl)phthalate (µg/L)	0.95 U	5.57 (P-3 RM 6.4)
LPAH (µg/L	0.02 UT	14,600 JT (GP73 RM 6.4)
HPAH (µg/L)	0.02 UT	1,550 (WS-11-125 RM 6.4)
Total PCBs (µg/kg)	na	na
2,3,7,8-TCDD (pg/g)	na	na
Total DDT (µg/kg)	na	na
Dibenzonfuran (µg/L)	0.02 U	46.9 (WS-11-125 RM 6.4)

Parameter	Minimum	Maximum (Location)
4-Methylphenol (µg/kg)	na	na
Diesel range hydrocarbons (mg/L)	0.237 U	28.8 (WS-11-125 RM 6.4)
Xylenes (µg/L)	0.26 T	1,430 T (WS-14 RM 6.4)

*There were other stations with this maximum value.

City of Portland Bureau of Environmental Services (BES) TSS Data (Sanders, D. 2006. Personal communication [compact disk of City of Portland BES Watershed Program data set, Portland, OR] provided to K. Pine, Integral Consulting Inc.).

These data are not included in the project database.

This investigation consisted of surface water monitoring conducted for characterization of the Willamette Rive as part of the BES watershed program. From February 1992 through March 2006, 2,520 TSS grab sub-samples were collected from RM 1.1 to 20.0. Samples were collected by means of a peristaltic pump at a depth of 10 ft from the surface from the eastern, middle, and western locations along a river transect and composited in one sample container.

Parameter	Minimum (Location/Date)	Maximum (Location/Date)
TSS (mg/L)	0.4 (Morrison St. Bridge 11/17/93) (Tryon Creek Bridge 12/28/93) (Morrison St. Bridge 10/5/94)	243 (Morrison St. Bridge 11/20/96)

WLCRPI04. Outfall 22B:

Remaining Remedial Investigation Technical Memorandum RPAC – Portland Site (Prepared by AMEC Earth & Environmental, Inc., February 4, 2003).

Remaining Remedial Investigation Technical Memorandum Addendum North Doane Lake Investigation RP – Portland Site (Prepared by AMEC Earth & Environmental, Inc., July 9, 2004).

Draft Outfall 22B Storm Sewer Sampling Report RP - Portland Site (Prepared by AMEC Earth and Environmental, Inc., March 24, 2005).

AMEC Earth and Environmental, Inc. (AMEC) collected and analyzed samples of outfall discharge water at City of Portland Outfall 22B as part of ongoing RI and monitoring studies

on behalf of Rhone-Poulenc Agro Chemicals (RPAC)/Starlink Logistics Inc. (SLLI) and under the direction of DEQ. Discharge water was sampled during non-stormwater events using a peristaltic pump with the sampling inlet located at a point in the middle of the exiting stream of water. Sample bottles were filled directly with no composite sampling. Laboratory analyses for all samples included pesticides, herbicides, dioxins and furans, VOCs, SVOCs, metals (including mercury), TSS, pH, anions, alkalinity, and hardness.

A total of five water samples (included in the summary data below) were collected during the following studies: Outfall 22B Storm Sewer Sampling, Sept. 3, 2004 (WLCRPI04OF22B040923); Remaining Remedial Investigation, Aug. 13, 2002 (WLCRPI04OF22B020813); and three other samples for which direct documentation is not available, collected on July 18, 1995, Apr. 18, 1994, and Oct. 1, 1993. These samples are mentioned in the Draft Outfall 22B Storm Sewer Sampling Report (AMEC 2003), but no detailed field sampling procedures were given. This outfall is due to be monitored annually by AMEC according to the Post-Characterization Groundwater Monitoring Plan (PCGMP, AMEC 2004).

Summary Data for Water

Parameter	Minimum	Maximum (Location)
Arsenic (dissolved) mg/l	0.00549	0.00549 (OF22B RM 6.9)
Arsenic (total) mg/L	0.00576 J	0.0081 J (OF22B RM 6.9)
Cadmium (dissolved) mg/L	0.000138 U	0.0000138 U (OF22B RM 6.9)
Cadmium (total) mg/L	0.000122	0.0000138 U (OF22B RM 6.9)
Copper (dissolved) mg/L	0.000788 U	0.000788 U (OF22B RM 6.9)
Copper (total) mg/L	0.00207	0.0116 (OF22B RM 6.9)
Lead (dissolved) mg/L	0.000224 U	0.000224 U (OF22B RM 6.9)
Lead (total) mg/L	0.00064	0.014 (OF22B RM 6.9)
Mercury (dissolved) mg/L	1.07E-06 U	1.07E-06 U (OF22B RM 6.9)
Mercury (total) mg/L	6.32E-06	0.000131 U (OF22B RM 6.9)
Zinc (dissolved) mg/L	0.00234	0.00234 (OF22B RM 6.9)
Zinc (total) mg/L	0.00682 J	0.0249 (OF22B RM 6.9)
TBT (µg/kg)	na	na
bis (2-ethylhexyl)phthalate (µg/L)	0.644 U	10 U (OF22B RM 6.9)
LPAH (µg/L)	0.4 T	0.859 JT (OF22B RM 6.9)
HPAH (µg/L)	0.15 UT	0.229 T (OF22B RM 6.9)
Total PCBs (µg/kg)	0.5 UT	0.5 UT (OF22B RM 6.9)
2,3,7,8-TCDD (pg/L)	3.1 U	5.3 U (OF22B RM 6.9)
Total DDT (µg/kg)	na	na
Dibenzonfuran (µg/L)	0.139 U	3 U (OF22B RM 6.9)
4-Methylphenol (µg/kg)	na	na

Parameter	Minimum	Maximum (Location)
Diesel range hydrocarbons (mg/L)	0.63 U	0.63 U (OF22B RM 6.9)
Xylenes (µg/L)	0.295 UT	1 UT (OF22B RM 6.9)

REFERENCES

AMEC. 2003. Remaining Remedial Investigation Technical Memorandum RPAC – Portland Site. AMEC Earth & Environmental, Inc., Portland, OR.

AMEC. 2004. Remaining Remedial Investigation Technical Memorandum Addendum, North Doane Lake Investigation RP – Portland Site. AMEC Earth & Environmental, Inc., Portland, OR.

USACE, EPA, Ecology, and WDNR. 2000. Dredged material evaluation and disposal procedures – a user's manual for the PSDDA program. Prepared by the U.S. Army Corps of Engineers, Seattle District; U.S. Environmental Protection Agency, Region 10; Washington State Department of Ecology; and Washington State Department of Natural Resources.

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COMPREHENSIVE ROUND 2 SITE CHARACTERIZATION SUMMARY AND DATA GAPS ANALYSIS REPORT

APPENDIX A2
SCRA DATABASE AND DATA MANAGEMENT

(SCRA Database Provided on Accompanying CD)

February 21, 2007

Prepared for
The Lower Willamette Group

Prepared by
Integral Consulting Inc.

1.0 INTRODUCTION

This appendix presents the site characterization and risk assessment (SCRA) database and the data management rules used to reduce the SCRA data set into the Nature and Extent data set used to present information in Sections 6.0 and 11.3 of the Comprehensive Round 2 Data Report. Further reduction and refinement of the SCRA data set was developed and completed by Kennedy/Jenks (Appendix F) and Windward Environmental (Appendix G) for risk analyses. The data management rules (including data reduction, data usability, and data quality) used to develop the SCRA dataset are described in Section 2.0 of the Comprehensive Round 2 Data Report.

2.0 SCRA DATABASE

Integral's LWG project database contains all of the data reported by the analytical laboratories. This includes field and lab replicates, lab dilutions, results for the same analyte from multiple analytical methods (SW8270 and SW8270-SIM, for example), and laboratory QA samples such as matrix spikes, surrogates, and method blanks. The data handling rules described in *Guidelines for Data Averaging and Treatment of Non-detected Values for the Round 1 Database* (Kennedy/Jenks et al. 2004) were used to create a data set for the SCRA data users that was simpler: the data set contained only one result per analyte per sample and excluded all of the laboratory QA results. This involved creating a SCRA database that excluded lab QA results, contained only the most appropriate dilution result and analytical method for each analyte, and contained the average of laboratory replicates. For purposes of reporting, both LWG and non-LWG data were combined into one SCRA database. Guidelines provided in Kennedy/Jenks et al. (2004) were consistently applied to all data sets. The resulting SCRA database is provided on CD accompanying this appendix.

3.0 NATURE AND EXTENT SCRA DATA SET

The data management rules used to refine the SCRA database for purposes of reporting the nature and extent of chemicals in the Study Area are described in this section.

3.1 CALCULATED TOTALS

Calculated totals were created for analytes evaluated on the basis of summed concentrations. The calculated totals include: total polychlorinated biphenyl (PCB) Aroclors, total PCB congeners, total polycyclic aromatic hydrocarbon (PAH), total low-molecular-weight PAH (LPAH), total high-molecular-weight PAH (HPAH), total DDD, total DDE, total DDT, total 4,4'-DDx, total DDx, total chlordanes, total endosulfans, total xylenes, total benzene + toluene + ethylbenzene + xylene (BTEX), total fines, total petroleum hydrocarbons (TPH), and total dioxins + furans (PCDD/F). All totals were T qualified to indicate that the values were manipulated values (i.e., summed or selected).

3.1.1 Summation Rules

Calculated totals are the sum of all detected concentrations. If all of the analytes were not detected, then the highest reporting detection limit was the selected value for the calculated total and the total was U-qualified to indicate the lack of detected values.

Results for all analytes were not always available for totals. Refer to Appendix C for all of the individual values and analytes that were used for the totals in each sample. In some cases, too few of the analytes were available to calculate a total. For example, some transition zone water samples were only analyzed for naphthalene, so total PAH and LPAH were not calculated.

3.1.2 Calculated Totals

Total PCBs were calculated as total PCB Aroclors and as total PCB congeners. Total PCB Aroclors represented the sum of Aroclors. Total PCB congeners represented the sum of the individual congeners.

Total LPAHs were calculated with the concentrations for 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, fluorene, naphthalene, and phenanthrene. Total HPAHs were calculated with the concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzofluoranthenes, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. Total PAHs were calculated with the concentrations of the individual LPAHs and HPAHs.

Total DDx were calculated with the concentrations of the six DDx compounds: 2,4′-DDD; 4,4′-DDD; 2,4′-DDE; 4,4′ DDE; 2,4′-DDT; and 4,4′-DDT. Total 4,4'-DDx were calculated with the three 4,4'-DDx compounds: 4,4'-DDD; 4,4'-DDE; and 4,4'-DDT. Total DDD were calculated with 2,4′-DDD and 4,4′-DDD, total DDE were calculated with 2,4′-DDE and 4,4′-DDE, and total DDT were calculated with 2,4′-DDT and 4,4′-DDT.

Total chlordanes were calculated as the sum of the following compounds: cis-chlordane, trans-chlordane, oxychlordane, cis-nonachlor, and trans-nonachlor.

Total endosulfans were calculated as the sum of alpha-endosulfan, beta-endosulfan, and endosulfan sulfate.

Total xylenes were calculated as the sum of m,p-xylene and o-xylene.

BTEX were calculated as the sum of benzene, toluene, ethylbenzene, and xylenes.

Total fines were calculated as the sum of all silt and clay grain-size fractions passing U.S. standard sieve #230 (0.0625 mm openings).

Total petroleum hydrocarbons were calculated as the sum of diesel-range hydrocarbons, residual-range hydrocarbons, and gasoline-range hydrocarbons.

Total PCDD/F were calculated as the sum of dioxin and furan homologs: tetrachlorodibenzo-p-dioxins, pentachlorodibenzo-p-dioxins, hexachlorodibenzo-p-dioxins, heptachlorodibenzo-p-dioxins, octachlorodibenzo-p-dioxin, tetrachlorodibenzofurans, pentachlorodibenzofurans, hexachlorodibenzofurans, heptachlorodibenzofurans, and octachlorodibenzofuran.

3.2 CALCULATION OF TOXICITY EQUIVALENTS

3.2.1 Calculation of PCB Congener TEQs

PCB congener toxic equivalents (TEQs) were calculated using the World Health Organization (WHO) consensus toxic equivalency factor (TEF) values for mammals (Van den Berg et al. 1998). TEQs were calculated as the sum of each congener concentration multiplied by the corresponding TEF value. When the congener concentration was reported as nondetected, then the TEF was multiplied by zero.

3.2.2 Calculation of Dioxin and Furan TEQs

Dioxin and furan TEQs were calculated using the WHO consensus TEF values for mammals (Van den Berg et al. 1998). The TEQ was calculated as the sum of each congener concentration multiplied by the corresponding TEF value. When the congener concentration was reported as nondetected, then the TEF was multiplied by zero.

3.3 SIGNIFICANT FIGURES

The laboratories provided results in electronic text files. The text values were maintained in the database so that the number of significant figures provided by the labs would not be lost by either the addition or removal of trailing zeros. For example, if the lab file contained 1.0, then that text string would be maintained to avoid conversion to either 1.00 or 1. In some cases, the lab reported value appeared to have only one significant figure (1, for example). But a minimum of two significant figures was assumed for all results, which was consistent with the standard reporting requirements of analytical laboratories.

During calculations, such as averaging replicates or summing for totals, all significant figures were carried through the calculation. The final result was then rounded to the smallest number of significant figures found in the values used in the calculation. For example: 7010 + 105 + 20.8 = 7135.8, and with three significant figures equals 7140.

4.0 QUALIFIER DEFINITIONS

The following qualifier definitions are applied to data contained in the SCRA database.

Qualifier	Qualifier Definition
B	Analyte found in associated blank.
E	Estimated because of interference or exceeds instrument range.
EG	Combined qualifier.
G	Estimate is greater than value shown.
GB	Combined qualifier.
GH	Combined qualifier.
H	Holding time exceeded.
J	Estimated value.
JB	Combined qualifier.
JK	Combined qualifier.
JP	Combined qualifier.
JT	Combined qualifier.
JV	Combined qualifier.
K	Peak detected but not meet QC.
L	Value is less than the maximum shown.
N	Presumptive evidence of a compound.
NJ	Combined qualifier.
NJT	Combined qualifier.
NT	Combined qualifier.
P	GC/HPLC criteria exceeded RPD>40% (>25% CLP pests)
R	Rejected.
RT	Combined qualifier.
T	Result derived or selected from >1 reported value.
T*	Detected below quantification limit shown.
U	Analyte was analyzed for but not detected.
UB	Combined qualifier.
UE	Combined qualifier.
UG	Combined qualifier.
UGH	Combined qualifier.
UH	Combined qualifier.
UI	Combined qualifier.
UIJ	Combined qualifier.
UJ	Combined qualifier.
UJP	Combined qualifier.
UJT	Combined qualifier.
UM	Combined qualifier.
UP	Combined qualifier.
UT	Combined qualifier.
UX	Combined qualifier.
V	In diesel range but doesn't match diesel standard.

Qualifier	Qualifier Definition
X	Recovery less than 10%.
Z	Fingerprint does not resemble petroleum product.
*	Sample not analyzed for 2,4'-DDx isomer, so 4,4'-DDx isomer may be used as surrogate for total of 2,4'- and 4,4'-DDx.

5.0 REFERENCES

Kennedy/Jenks, Integral, and Windward. Technical Memorandum: Guidelines for Data Reporting, Data Averaging, and Treatment of Non-Detected Values for the Round 1 Database. Prepared for Lower Willamette Group, Portland, OR. Kennedy/Jenks Consultants, Portland, OR.

Van den Berg, M., L. Birnbaum, A.T.C. Bosveld, B. Brunstrom, P. Cook, M. Feeley, J. Giesy, A. Hanberg, R. Hasegawa, S.W. Kennedy, T. Kubiak, J.C. Larsen, F.X.R. van Leeuwen, A.K.D. Liem, C. Nolt, R. Peterson, L.Poellinger, S. Safe, D. Schrenk, D. Tillitt, M. Tysklind, M. Younes, F. Waern, and T. Zacharesski. 1998. Toxicity equivalency factors for PCBs, PCDDs, PCDFs for humans and wildlife. *Environ. Health Perspect.* 106(12):775-792.

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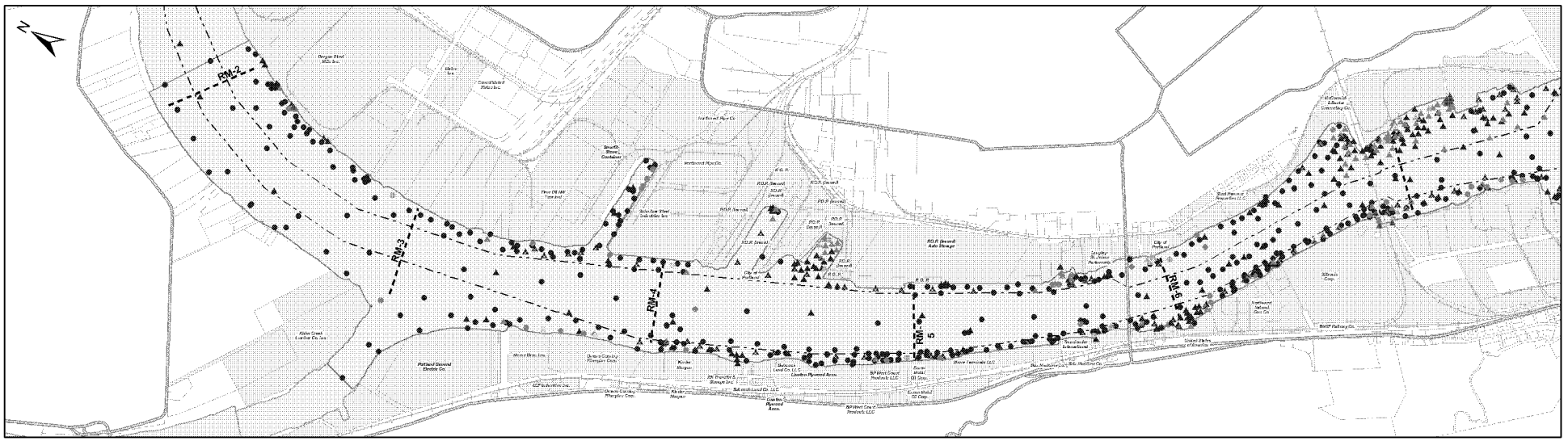
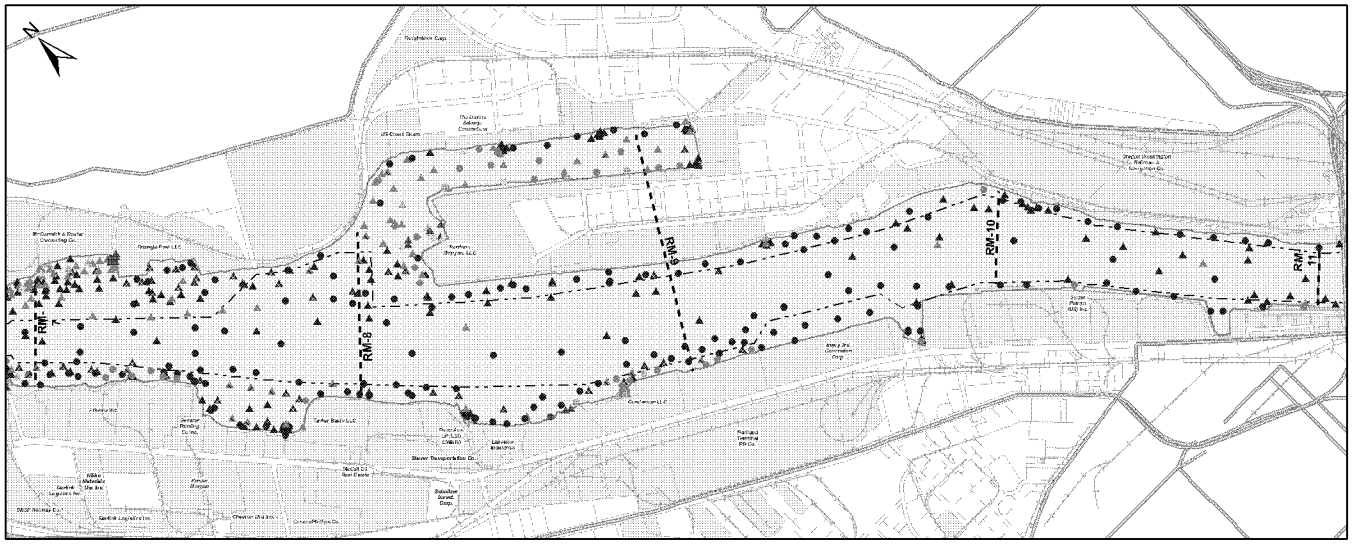
COMPREHENSIVE ROUND 2 SITE CHARACTERIZATION SUMMARY AND DATA GAPS ANALYSIS REPORT

APPENDIX B
IDENTIFICATION OF SOURCES

February 21, 2007





Rounds 1 & 2 Arsenic Data

- < 5
- 5.1 - 10
- 11 - 15
- 16 - 20
- 21 - 25
- > 25

Non-LWG Arsenic Data

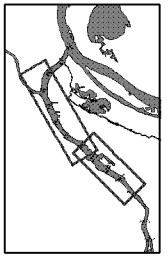
- < 5
- 5.1 - 10
- 11 - 15
- 16 - 20
- 21 - 25
- > 25

- River miles
- Railroads
- Navigation Channel
- Waterfront Taxlots

Note:
Non-detect results are indicatedby an 'X' through the map symbol.

0 500 1,000 2,000 Scale in Feet

0 200 400 800 Meters



ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

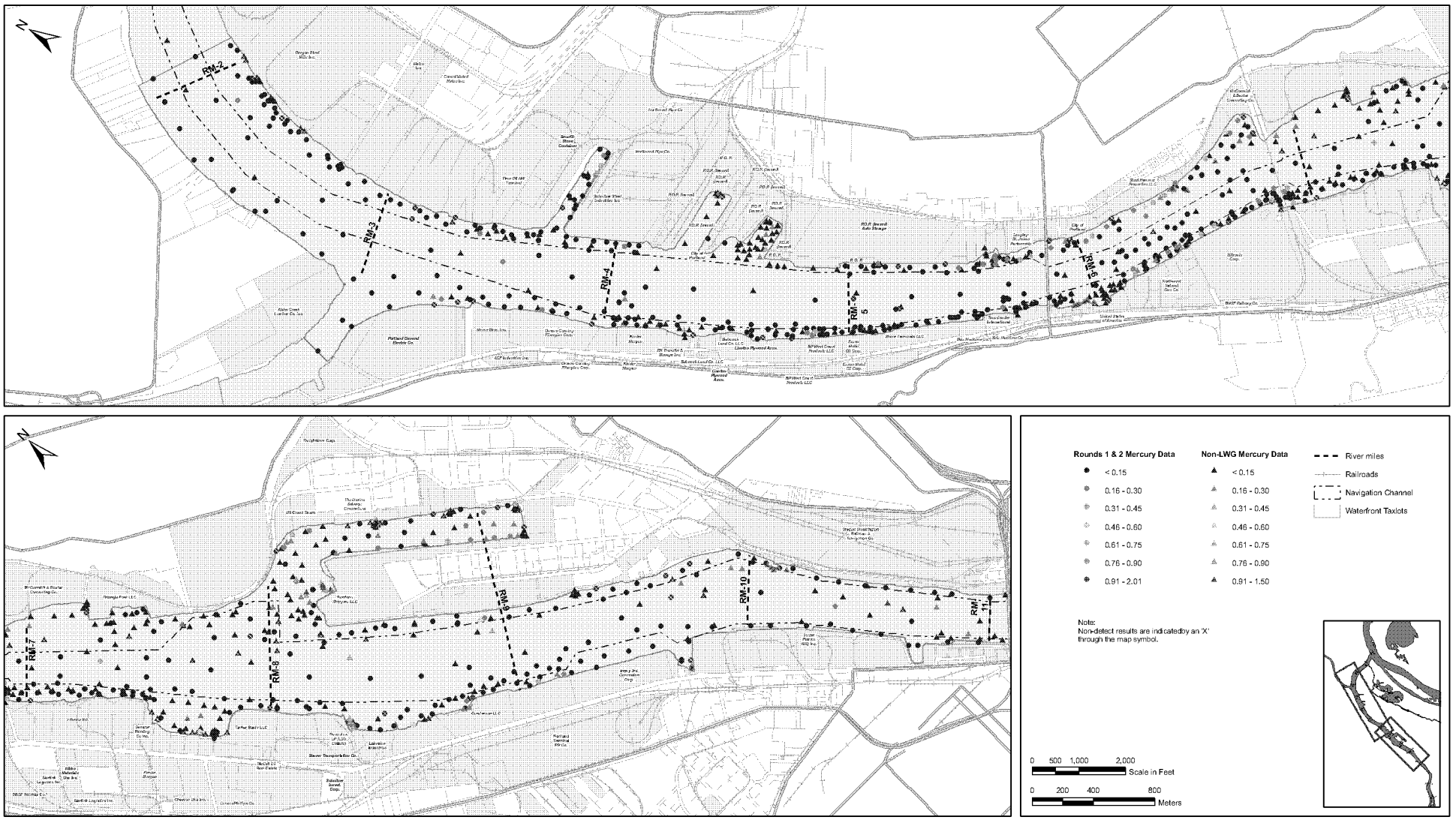
FEATURE SOURCES:
River Miles: Developed from US Army Corps of Engineers information.
River Edge: Provided by Integral Consulting.

Joint Source Control Strategy Sites (Dec. 2005)
Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-1
Portland Harbor RI/FS
Comprehensive Round 2 Report
Arsenic in Surface Sediments
River Miles 02 to 11

J:\Jobs\010-142-01 LWG\Maps\2007 Results\Rounds 1 & 2 Results.mxd, Fri, 07/27/2007 1:39 PM

BZTO104(e)028235



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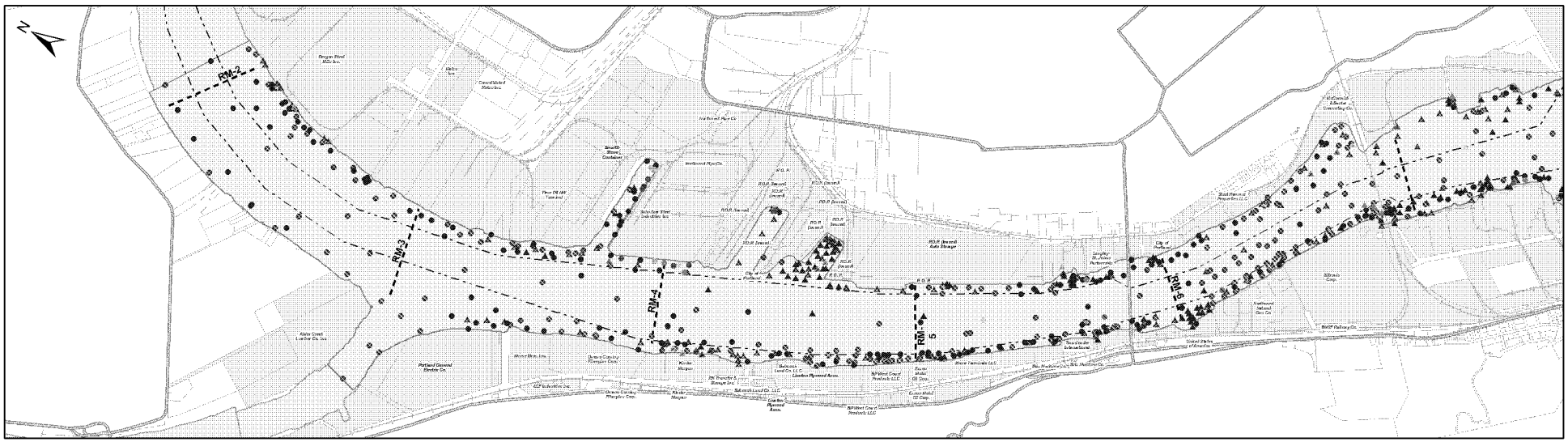
FEATURE SOURCES:
River Miles: Developed from US Army Corps of Engineers information.
River Edge: Provided by Integral Consulting.

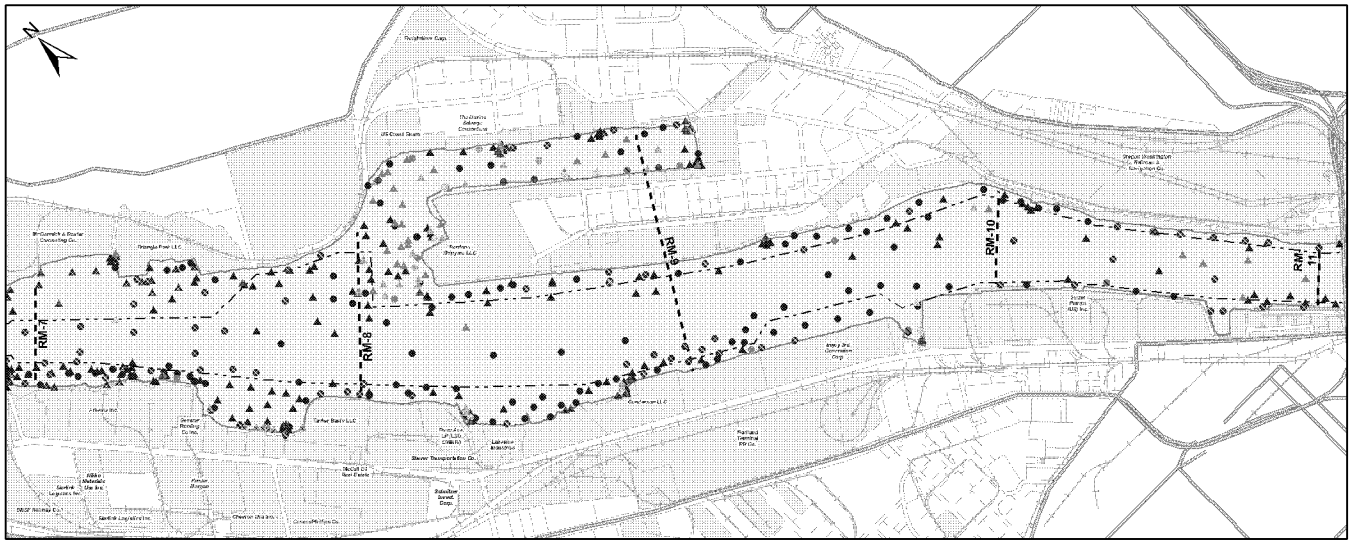
Joint Source Control Strategy Sites (Dec. 2005)
Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-2
Portland Harbor RI/FS
Comprehensive Round 2 Report
Mercury in Surface Sediments
River Miles 02 to 11

J:\Jobs\010-142-01 LWG\Maps\2007 Results\Rounds 1 & 2 Hg Results.mxd 02/05/2007 1:39 PM

BZTO104(e)028236





Round 1 & 2 BEHP Data
- < 745
- 745.1 - 1,500
- 1,501 - 2,250
- 2,251 - 3,000
- 3,001 - 3,750
- > 3,751

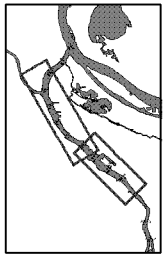
Non-LWG BEHP Data
- < 745
- 745.1 - 1,500
- 1,501 - 2,250
- 2,251 - 3,000
- 3,001 - 3,750
- > 3,750

- River miles
- Railroads
- Navigation Channel
- Waterfront Taxlots

Note:
Non-detect results are indicatedby an 'X' through the map symbol.

0 500 1,000 2,000 Scale in Feet

0 200 400 800 Meters



ANCHOR ENVIRONMENTAL, L.L.C.

LWG LOWER WILLAMETTE GROUP

FEATURE SOURCES:
River Miles: Developed from US Army Corps of Engineers information.
River Edge: Provided by Integral Consulting.

Joint Source Control Strategy Sites (Dec. 2005)
Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-3
Portland Harbor RI/FS
Comprehensive Round 2 Report
Bis(2-ethylhexyl)phthalate in Surface Sediments
River Miles 02 to 11

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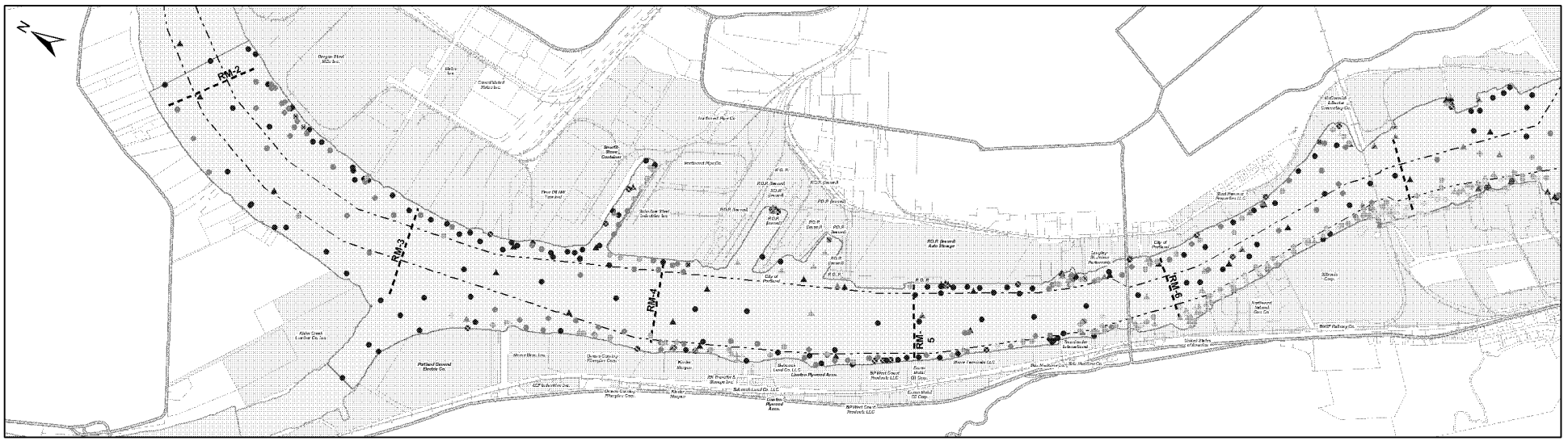
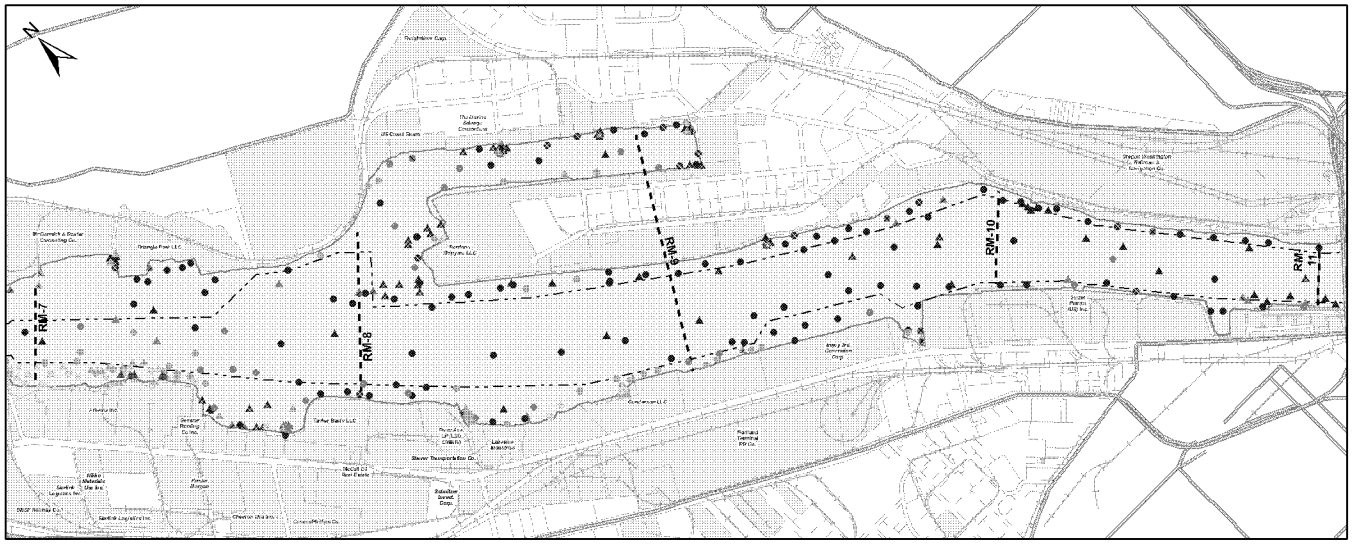




Rounds 1 & 2 DDT Data
- < 5
- 6 - 10
- 11 - 100
- 101 - 1,000
- 1,001 - 10,000
- > 10,000

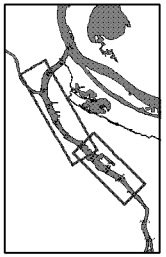
Non-LWG DDT Data
- < 5
- 6 - 10
- 11 - 100
- 101 - 1,000
- 1,001 - 10,000
- > 10,000

- River miles
- Railroads
- Navigation Channel
- Waterfront Taxlots

Note:
Non-detect results are indicatedby an 'X' through the map symbol.

0 500 1,000 2,000 Scale in Feet

0 200 400 800 Meters



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Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-4
Portland Harbor RI/FS
Comprehensive Round 2 Report
Total DDT in Surface Sediments
River Miles 02 to 11

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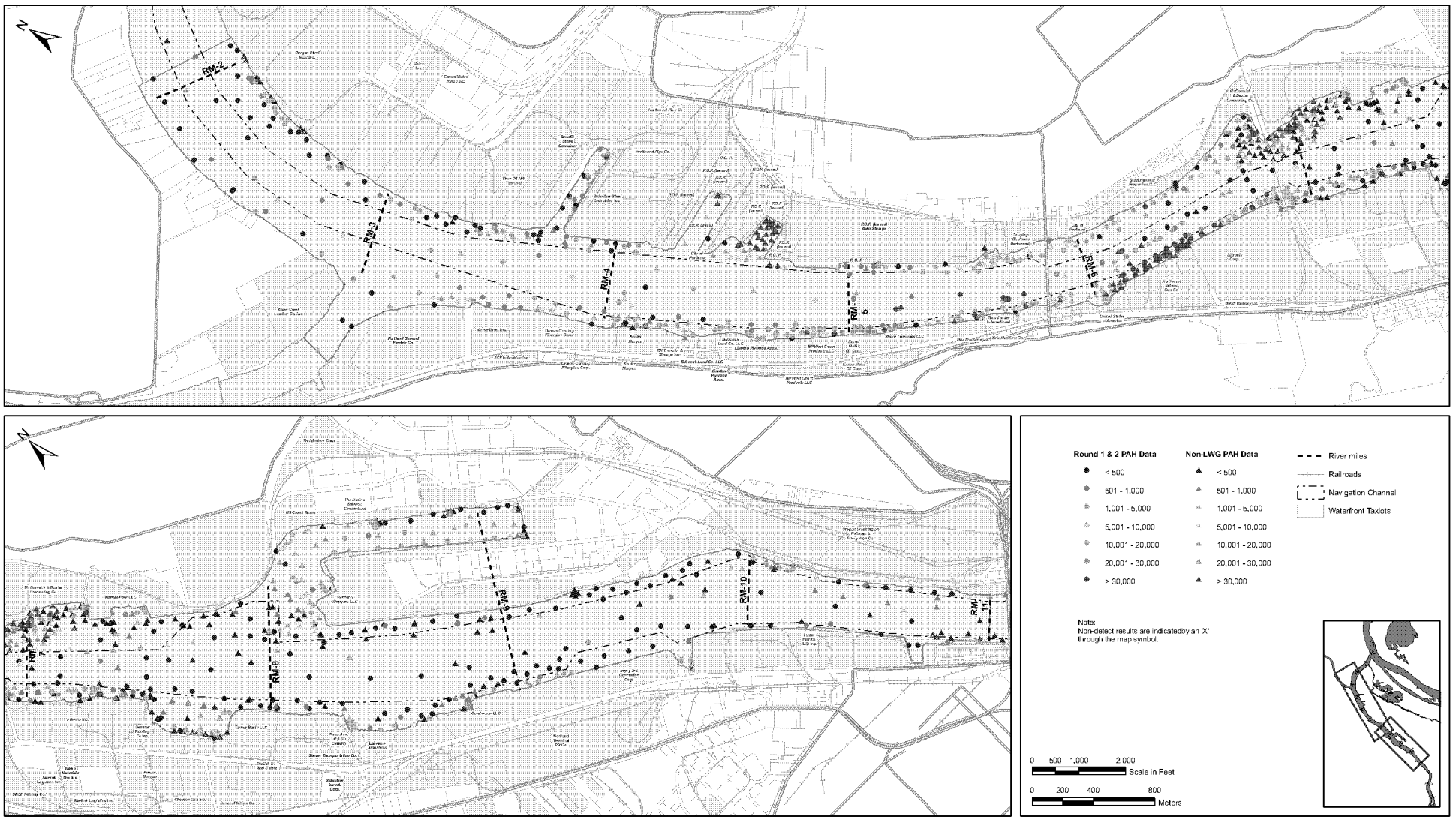

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FEATURE SOURCES:
River Miles: Developed from US Army Corps of Engineers information.
River Edge: Provided by Integral Consulting.

Joint Source Control Strategy Sites (Dec. 2005)
Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-5
Portland Harbor RI/FS
Comprehensive Round 2 Report
Total PAHs in Surface Sediments
River Miles 02 to 11

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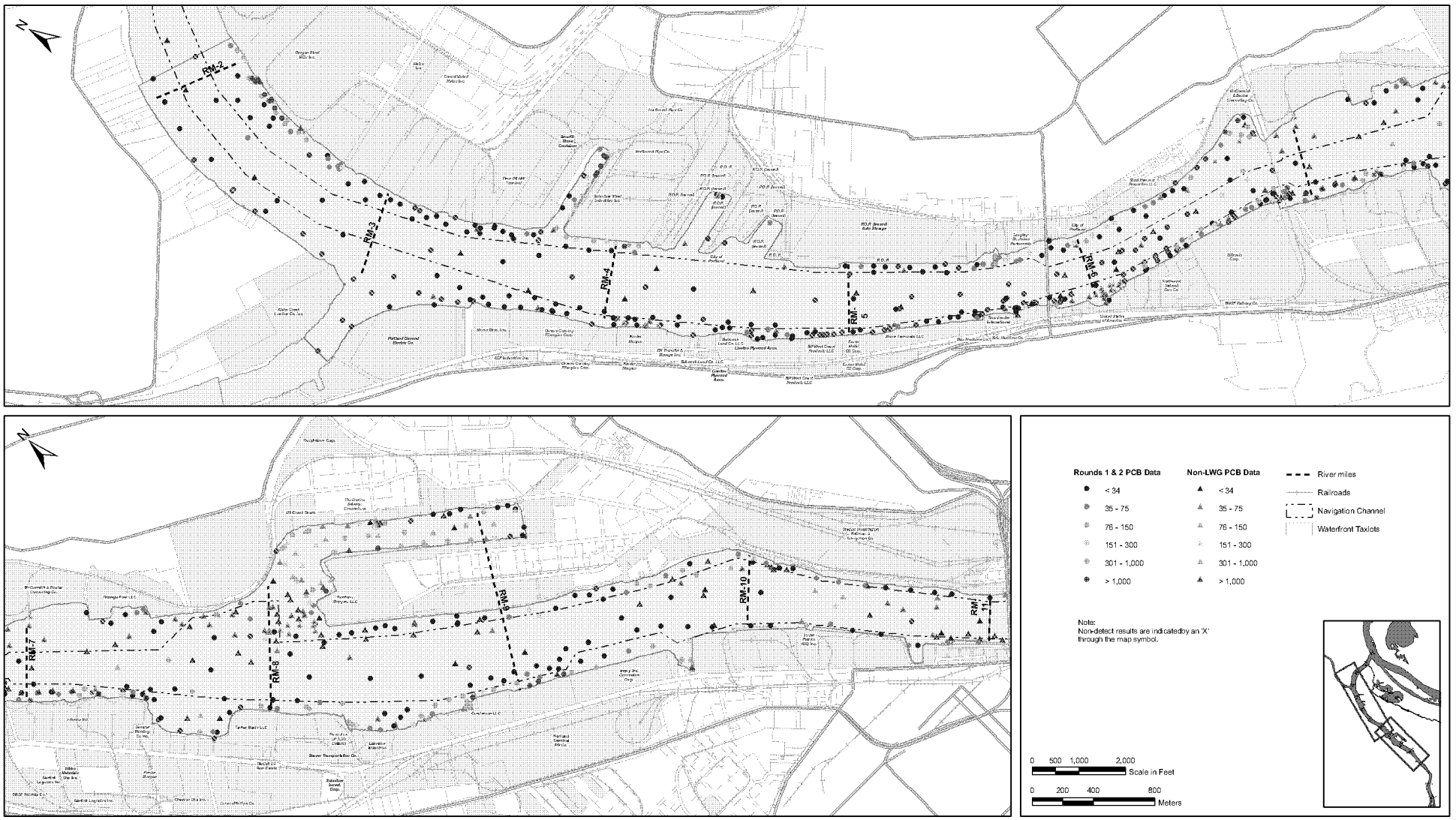

ANCHOR ENVIRONMENTAL, L.L.C.

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FEATURE SOURCES:
River Miles: Developed from US Army Corps of Engineers information.
River Edge: Provided by Integral Consulting.

Joint Source Control Strategy Sites (Dec. 2005)
Black Sites - Not a source of continuing contamination to the river
Purple Sites - Cleanup Underway
Red Sites - High Priority Remedial Investigation
Green Sites - High Priority Expanded Preliminary Assessment
Blue Sites - Medium/Low Priority Preliminary Assessment

Figure B-6
Portland Harbor RI/FS
Comprehensive Round 2 Report
Total PCBs in Surface Sediments
River Miles 02 to 11

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Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

Note: Sites in this table are listed in order of their position alongside the Willamette River, or the "River Mile" associated with their location; the River Mile indicates distance from the Willamette River's confluence with the Columbia River.

= Shading indicates that upland source control work has been completed at the site.
= Orange indicates that the site is a high priority, or potentially high priority for source control.
= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Overland Transport/Sheet Flow	N/A	NA	N/A	N/A	none	to be determined	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Bank Erosion	N/A	NA	N/A	N/A	none		N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Groundwater	Ongoing		Fall 2006	Waiting on SCE to be completed.	to be determined		Waiting on SCE to be completed 2006									
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Stormwater	Ongoing	Implement Stormwater Sampling	Winter 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed 2006									
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 5	1686	1.5 E	15540, 15550, & 15560 N Lombard	Tom Gainer	IGA	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	no pathway, berm prevents overland transport/sheet flow	None	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Bank Erosion	Completed			Pathway is complete	High		SCE will be part of Alternatives Evaluation	alternatives evaluation completed (June 2006)		Anticipate submittal to EPA August/September 2006						
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Groundwater (LUST & AST AOCs)	Completed			Insignificant pathway, no actions recommended	Low		SCE submitted to EPA 10/2004, no comments received		Soil removal completed at time of spill, prior to SCE						SCE submitted to EPA 10/2004 no comments received	
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Groundwater (other AOCs)	Ongoing		July 2006	Pathway is complete	to be determined		SCE to be submitted to EPA by December 2006									
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Stormwater	Ongoing	Further investigation of stormsewer system	December 2006	Pathway is complete	p.High		SCE will be part of Alternatives Evaluation	alternative evaluation in progress								
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oregon Steel Mills	141	2.2 E	14400 N Rivergate	Matt McClincy	PH Agr for RI/SCM (6/00)	RI	06/12/06	Other - current NPDES permitted discharge	Not Started	To be determined	No current schedule	Waiting on SCE to be completed			Waiting on SCE to be completed									
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Groundwater	Ongoing	groundwater monitoring ongoing	2007	Waiting on SCE to be completed	to be determined		Waiting on SCE completion, 2007									
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Stormwater	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Esco Landfill Sauvie Island	4409	2.6	14444 NW Gillihan Loop	No PM Assigned	Industrial landfill disposal permit	PA	06/12/06	Other	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3296	2.8 E	3940 N Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BZTO104(e)028241

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

= Shading indicates that upland source control work has been completed at the site.
= Orange indicates that the site is a high priority, or potentially high priority for source control.
= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Consolidated Metco	3295	2.8 E	3940 N. Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none	P Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3295	2.8 E	3940 N. Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Groundwater	Ongoing	DEQ is revisiting draft SCD	2007	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed									
Consolidated Metco	3295	2.8 E	3940 N. Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Stormwater	Ongoing	DEQ is revisiting draft SCD	2007	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed									
Consolidated Metco	3295	2.8 E	3940 N. Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Metco	3295	2.8 E	3940 N. Rivergate	Mike Romero	PH Letter Agr for XPA	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed							
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed							
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 5/04		No SCM needed							
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Harborton	2563	3.2 W	NW Marina Way	Matt McClincy	PH Agr for RI/SCM (6/03)	Completed SCD	03/08/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Groundwater (Main Tank Farm Petroleum Plume)	Ongoing	Source control evaluation report	SCE to be submitted 6/06	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed		Final SCM TBD; Interim passive NAPL recovery ongoing; In-situ chem ox pilot conducted Spring 2006							
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Groundwater (Bell Terminal Petroleum Plume)	Ongoing	Source control evaluation report	SCE to be submitted 6/06	Waiting on SCE to be completed; investigation of pathway to the river dependent on Premier Edible Oils (ECSI # 2018) work	p Low		Waiting on SCE to be completed									
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Groundwater (Penta Plume)	Completed			SCM's retard penta migration and prevent penta discharge to private stormwater outfall	p High		SCE submitted to EPA	alternatives evaluation completed	Source area pump & treat, insitu chemical oxidation, gw to sw intercept pump & treat	SCM submitted to EPA May 2006; partners responded with questions	Ongoing pump & treat provides containment, 3 rounds of insitu chemical oxidation conducted through Spring '06	Over 24 million gallons of groundwater pumped and treated; ChemOx has also treated groundwater insitu (no estimate of volume)	Ongoing groundwater pump & treat; evaluation of ChemOx effectiveness TBD - one or more additional rounds may be needed			Ongoing maintenance and monitoring of pump & treat system
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Stormwater	Ongoing		SCE to be submitted 6/06	Insignificant pathway (see above re gw/stormdrain)	p Low		Waiting on SCE to be completed									
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Overwater Activities	Ongoing		SCE to be submitted 6/06	No known current sources (spills reported to OERS)	p Low		Waiting on SCE to be completed									
Time Oil	170	3.4 E	10350 Time Oil Rd	Tom Roick	Pre-PH Agr (9/96)	Risk Assessment	06/05/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Portland Outfalls	Various	3.5 to 10.1	Various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BZTO104(e)028242

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
City of Portland Outfalls	various	8.5 to 9.1	various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Bank Erosion	N/A	N/A	N/A	N/A	none	p High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Portland Outfalls	various	8.5 to 9.1	various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Portland Outfalls	various	8.5 to 9.1	various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Stormwater	Ongoing	Complete outfall basin characterizations, site-specific investigations and source control, recontamination assessment	Ongoing through 2008 (corresponding to Portland Harbor ROD)	Suspected pathway	p High		Waiting on SCE to be completed		Final SCM TBD: Ongoing SW inspections, investigations of illicit discharges, identification of potential contributors to City system. Site-specific catch basin cleanouts, line cleaning, and implementation of BMP's							
City of Portland Outfalls	various	8.5 to 9.1	various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
City of Portland Outfalls	various	8.5 to 9.1	various	Tom Roick	IGA for RI SCM (8/03)	RI	06/05/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Groundwater	Completed			Insignificant pathway, no actions recommended	Low		SCE submitted to EPA (10/04); no comments		No SCM needed						SCM submitted to EPA (10/04). No comments.	
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Stormwater	Completed			Currently insignificant pathway, stormwater pipe suspected past migration pathway	Low		SCE submitted to EPA (10/04); no comments		Completed FS proposes removal of contaminated off-site soil potentially available for transport to river						SCM submitted to EPA (10/04). No comments.	
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACF Industries	764	3.8 W	12180 NW St Helens	Dan Hafley	Unilateral Order (8/03)	FS complete	03/08/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Overland Transport/Sheet Flow	Ongoing	Complete final phases of RI	2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed (2006)									
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Bank Erosion	Ongoing	Complete final phases of RI	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed (2006)									
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Stormwater	N/A	N/A	N/A	Facility dismantled and outfalls removed	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Groundwater (GW LNAPL - SW Corner)	Ongoing	Complete data collection for SCD design	2006	LNAPL potentially discharging to river	p High		Waiting on SCE to be completed, 2006									
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Groundwater (Remaining GW Issues)	Ongoing	Coordinate investigation with Time Oil/Bell Terminal near property boundaries	2006	GW suspected migration pathway	to be determined		Waiting on SCE to be completed, 2006									

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Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Premier Edible Oils	2013	3.6 E	10400 N Burgard	Mike Romero	PH Agr for RI/SCM (7/01)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented, 10/2002		No SCM needed							
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 10/2002		No SCM needed							
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jefferson Smurfit	2371	3.7 E	9930 N Burgard	Matt McClincy	PH Letter Agr for XPA (12/00)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	SCE submitted to EPA (3/06); CEQ responses 4/06									
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		N/A									
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA (3/06); CEQ responses 4/06									
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA (3/06); CEQ responses 4/06									
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RoMar Realty of Oregon	2437	3.7	9333 N Time Oil	Tom Gainer	PH Ltr Agr for XPA	NFA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	06/12/06	Overland Transport/Sheet Flow	Ongoing	Visual inspection	Fall 2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed; 2006									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	06/12/06	Bank Erosion	Ongoing	Visual inspection	Fall 2006	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed; 2006									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE to be completed; 2006									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	06/12/06	Stormwater	Ongoing	Initiate stormwater evaluation	2007	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed; 2006									
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Owens-Corning Fiberglass (Trumbull Asp)	1036	3.8 W	11444 NW St Helens	Tom Gainer	PH Letter Agr for XPA (12/99)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed in 2000 and did not provide comments		No SCM needed							

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed: Pathway determination	Basis for determination that source control is needed: Pathway priority level	Basis for determination that source control is needed: Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Groundwater	Completed				Low		EPA reviewed in 2000 and did not provide comments	NA	No SCM needed	NA	NA	N/A	NA	NA	NA	N/A
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Georgia Pacific Linnton	2370	3.9 W	12222 NW Marina	Tom Gainer	PH Letter Agr for XPA (10/99)	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Groundwater	Ongoing	DEQ to complete review of SCE report prepared by RP	2006	GW suspected migration pathway	to be determined		Waiting on SCE to be completed 2006									
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Stormwater	Ongoing	DEQ to complete review of SCE report prepared by RP	2006	SW suspected migration pathway	to be determined		Waiting on SCE to be completed 2006									
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NW Pipe	138	3.9 E	12005 N Burgard	Mike Romero	PH Agr for RI/SCM (2/05)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	NFA	03/02/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	Complete									
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	NFA	03/02/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		Complete									
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	NFA	03/02/06	Groundwater	Completed			Currently no complete pathway; groundwater monitoring to confirm plume stability	Low		Complete									Annual groundwater monitoring (conditional NFA)
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	NFA	03/02/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		Complete									
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	N/A	03/02/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Linnton Oil Fire Training Grounds	1189	4	NW Marina Way	Tom Gainer	ISA	N/A	03/02/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Overland Transport/Sheet Flow	Not Started	To be determined	2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be complete		Likely pier engineering improvements to capture sheet flow stormwater							
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Bank Erosion	Ongoing	Additional sampling needed	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete									
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Groundwater	Ongoing	ongoing monitoring	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete									
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Stormwater	Ongoing	ongoing monitoring - engineering improvements have been built.	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete		RP developing & implementing BMPs for stormwater. Others yet to be determined							
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Overwater Activities	Not Started	To be determined	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete									
Schnitzer Burgard	2355	4.1 E	12005 N Burgard	Mike Romero	PH Agr for RI/CSM (3/00)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Bank Erosion	Ongoing	To be determined	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete									
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Groundwater	Ongoing	Complete nature & extent in wt, HP wb conduct In-AM effectiveness evaluation	2006	LNAPL seeps on shoreline and dissolve petroleum likely discharging to river	p High		Waiting on SCE to be complete		Interim LNAPL removal and groundwater pump and treat system in operation							
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Stormwater	Ongoing	Initiate evaluation	2006-07	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete									
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kinder Morgan (Aka GATX)	1096	4.2 W	11400 NW St Helens	Mike Romero	PH Agr for RI/SCM (6/00)	RI	06/12/06	Other	Ongoing	GW treatment system & oil/water separator on NPDES - Evaluate existing data set	2006	Waiting on SCE to be completed	p Low		Waiting on SCE to be complete									
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	06/12/06	Bank Erosion	Pending EPA Review	SCM necessary, coordinate with T4 Early Action	SOW under development, due 2006	Pathway is complete	p High		Waiting on SCE to be completed	Schedule for completing draft evaluation report: fall 2006								
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	06/12/06	Groundwater	Ongoing	RI data review	Fall 2006	Preliminary determination that pathway is insignificant	p Low	p High	Waiting on SCE to be completed									
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	06/12/06	Stormwater	Ongoing	Evaluation report due 6/06	SOW under development, due 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	03/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 4 Slip 1	2356	4.3 E	11040 N Lombard	Tom Gainer	PH Agr for RI/SCE	RI	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Overland Transport/Sheet Flow	Completed			SCM addresses this potentially complete pathway	Low		EPA reviewed and commented		Independent removal of two small upland source areas and offsite disposal in 2002 and 2003						Received review 6/29/03	
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Bank Erosion	Completed			Insignificant pathway, no actions recommended	Low		EPA reviewed and commented		No SCM needed						Received review 6/29/03	
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Groundwater	Completed			Insignificant pathway, no actions recommended	Low	Low	EPA reviewed and commented		No SCM needed						Received review 6/29/03	
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Stormwater	Completed			Insignificant pathway, no actions recommended	Low		EPA reviewed and commented		Ongoing Stormwater BMPs and monitoring						Received review 6/29/03	
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Overwater Activities	Completed			Insignificant pathway, no actions recommended	Low		EPA reviewed and commented		No SCM needed						Received review 6/29/03	
Linnton Plywood	2373	4.8 W	10506 NW St Helens	Matt McClincy	PH Letter Agr for XPA (3/01)	XPA completed	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A		N/A						N/A	
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Overland Transport/Sheet Flow	N/A	N/A - see Bank Erosion and Stormwater pathways	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Bank Erosion	Ongoing	Pencil pitch investigation at the "River Bank Area" and "Slip Bank Area"	Pencil Pitch Report submitted 5/06, additional work required TBD	Pencil pitch observed and PAHs detected in river bank soils above PECs	p Low		Waiting on SCE to be completed									

BZTO104(e)028246

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Groundwater	Completed			Complete pathway - remedy recommended and implemented	p High	p High	EPA reviewed and commented, 2/2003		Bank excavation and backfill remedial action, NAPL recovery, monitoring	EPA reviewed and commented, 2/2003	Bank excavation and backfill remedial action (BEBRA) 11/04	2,700 cubic yards of contaminated soil removed; 30.2 gallons NAPL recovered to date	NAPL recovery and monitoring ongoing			
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Stormwater	Ongoing	Source Control Evaluation to be submitted 6/06		Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Overwater Activities	N/A	N/A - Historic releases to be addressed by the in-water T4 Early Action	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Terminal 4 Slip 3	272	4.6 E	10400 Lombard	Tom Roick	Judgment for RD/RA (4/04)	RD/RA	06/07/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA April 2004, no comments received		No SCM needed						SCM submitted to EPA April 2004, no comments received	
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA April 2004, no comments received		No SCM needed							
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR St Johns Tank Farm	2017	4.6 E	8900 N Roberts	Tom Roick	Pre-PH VCP Letter Agr	N/A	03/07/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 6/04		No SCM needed							
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Auto Storage Area (ASA)	2642	5.0 E	10400 Lombard	Tom Gainer	Pre-PH DEQ/Port IGA (11/00)	N/A	03/08/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Groundwater	Completed			Groundwater is a complete pathway	High		DEQ issued a ROD in 1997 requiring groundwater treatment	DEQ issued a ROD in 1997 requiring groundwater treatment	Operating air sparge & SVE system. Expansion of air sparge system (1/2006) - RP has 1 yr. to demonstrate protectiveness	Possibility only if remedy is shown not to be protective and alternative remedial action is proposed	Operating air sparge & SVE system. Expansion of air sparge system (1/2006) - RP has 1 yr. to demonstrate protectiveness					System inspection, operation, and effectiveness monitoring ongoing
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Stormwater	Ongoing	Implementing the SCE statement of work	SOW under development; due 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed 2006									

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Table 1: DEQ Milestone Report
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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status																			
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Basis for determination that source control is needed: Pathway determination	Basis for determination that source control is needed: Pathway priority level	Basis for determination that source control is needed: Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exxon Mobil	137	5.1 W	9420 NW St Helens	Matt McClincy	VCP Agr for Remedial Action (5/02)	RD/RA	06/12/06	Other - current NPDES permitted discharge	Not Started	To be determined	No current schedule	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE completion; 2007		Conducted soil removal following petroleum spill in mid 1990s							
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Stormwater	Ongoing	Dependent upon groundwater conditions	2007	Waiting on SCE to be completed.	to be determined	to be determined	Waiting on SCE completion; 2007									
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ollympic Pipeline Portland Facility within ExxonMobil	3342	5.2W	9420 NW St Helens	Matt McClincy	ICP	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	03/09/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	03/09/06	Bank Erosion	N/A	No Bank -concrete sea wall	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	06/12/06	Groundwater	Ongoing	Investigation of GW on adjacent property	Fall 2006	Free product & dissolved phase potentially reaching river	p High	p High	Waiting on SCE to be completed	alternatives evaluation completed 7/2004 for on site GW	Hydraulic control and GW pump & treat system	SCD submitted to EPA 6/2004, no comments received	Hydraulic Control system installed 1/2005	700 linear feet of plume controlled at riverbank	Additional sheetpile barrier wall proposed for fall 2006 installation	ongoing		effectiveness monitoring
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	06/12/06	Stormwater	Ongoing	Sampling stormwater system	Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed 2006									
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	03/09/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BP Terminal 22T (ARCO)	1526	5.3 W	9830 NW St Helens	Tom Gainer	PH Agr for RI/SCM (8/00)	RI	03/09/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar Com Marine (N Parcel)	2350	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Overland Transport/Sheet Flow	Completed			overland soil transport suspected migration pathway	Medium		EPA reviewed and commented 2004	alternatives evaluation completed in 2004	removal of 20 cubic yards of sandblast grit and soil; DEQ issues SCD in 5/2004	EPA reviewed and approved 2004	none yet		no current schedule; RP went bankrupt; potential future owner will conduct source control work			
Mar Com Marine (N Parcel)	2350	5.6 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Bank Erosion	Not Started	To be determined	No current schedule	Deferred investigation to Mar Com South Parcel	to be determined		Waiting on SCE to be completed		Deferred investigation to Mar Com South Parcel							

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Mar Com Marine (N Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low	Medium	EPA reviewed and commented 2004		N/A							
Mar Com Marine (N Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 2004		N/A							
Mar Com Marine (N Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar Com Marine (N Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	PH Agr for RI/SCM (11/01)	RD/RA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A, releases from USTs, site is entirely paved and/or developed	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Bank Erosion	N/A	N/A, releases from USTs, heavily armored with rip-rap, no significant habitat	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Groundwater	Ongoing	Continue monitoring; compile available site data for RI and source control evaluation	2006	Pathway is complete	to be determined		Waiting on SCE to be completed									
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Stormwater	N/A	N/A, relases from USTs, BMPs have been implemented, City does not require storm water permit	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Brix Maritime (aka Foss)	2364	5.7 W	9030 NW St Helens	Dana Bayuk	PH Agr for RI/SCM (5/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	Negotiating PH Agr	RI	06/12/06	Overland Transport/Sheet Flow	Ongoing	Overland flows down concrete shipway and across large unpaved site areas need to be investigated	2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed in 2006									
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	Negotiating PH Agr	RI	06/12/06	Bank Erosion	Ongoing	Investigation must include North Parcel bank and beach	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed in 2006									
Mar Com (S Parcel)	2350	5.8 E	8790 N Burgard	Mike Romero	Negotiating PH Agr	RI	06/12/06	Groundwater	Ongoing	Need to determine N&E in RI	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed in 2006									
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	Negotiating PH Agr	RI	06/12/06	Stormwater	Ongoing	Need to determine N&E in RI	early 2007	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed in 2006									
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	Negotiating PH Agr	RI	06/12/06	Overwater Activities	Ongoing	Need to complete N&E in RI, refers to historic overwater activities	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed in 2006		Floating dry dock sold in 2004, and removed from site							
Mar Com (S Parcel)	2350	5.8 E	8790 N Bradford	Mike Romero	Negotiating PH Agr	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Marine Finance	2352	5.9 W	9444 NW St. Helens	Mark Pugh	PFA	RD/RA	06/06/06	Overland Transport/Sheet Flow	Completed			contaminated over screening criteria in soil potentially susceptible to runoff	Low		SCE submitted to EPA 9/30/04. No comments received	alternatives evaluation completed 2004	Dig and haul soil contamination, capping with clean fill and/or building	SCM submitted to EPA 9/2004, no comments received	Soil removed 08/05; selected site areas capped with building and/or clean fill	1,150 cubic yards of soil removed (estimated), report pending	complete, report pending	7/06	SCM completion report pending; spring 2007	institutional control for cap and building will be required
Marine Finance	2352	5.9 W	9444 NW St. Helens	Mark Pugh	PFA	RD/RA	06/06/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		SCE submitted to EPA 9/30/04. No comments received	alternatives evaluation completed 2004	No SCM needed							

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
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Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Marine Finance	2362	6.3 W	9444 NW St. Helens	Mark Pugh	PPA	RD/RA	06/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low	Low	SCE submitted to EPA 6/20/06. No comments received	alternatives evaluation completed 2004	No SCM needed							
Marine Finance	2362	6.3 W	9444 NW St. Helens	Mark Pugh	PPA	RD/RA	06/06/06	Stormwater	Ongoing	Quarterly Stormwater sampling beginning 8/06	Dec 2006	No current system; new system to be installed. PPA requires 1 year of monitoring	p Low		N/A		No current system; new system to be installed. PPA requires 1 year of 1/4ly monitoring				Storm drain system to be installed in spring/summer 2006; minimum 3 storm water sampling events will be required following installation		SCA to be submitted in fall/winter 2006	
Marine Finance	2362	6.3 W	9444 NW St. Helens	Mark Pugh	PPA	RD/RA	06/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to CERCLIS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Marine Finance	2362	6.3 W	9444 NW St. Helens	Mark Pugh	PPA	RD/RA	06/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Bank Erosion	Ongoing		2007	Waiting on SCE to be completed	to be determined		Waiting on SCE completion, 2007									
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Groundwater	Ongoing		2007	Waiting on SCE to be completed	to be determined		Waiting on SCE completion, 2007									
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Stormwater	Ongoing		2007	Waiting on SCE to be completed	to be determined		Waiting on SCE completion, 2007									
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Overwater Activities	Ongoing		2007	Waiting on SCE to be completed	to be determined		Waiting on SCE completion, 2007									
US Moorings	1641	6.2	8010 NW St. Helens Rd.	EPA lead; Kristine Koch	AOC	RI	03/15/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	06/12/06	Overland Transport/Sheet Flow	Ongoing	See Stormwater Pathway	No current schedule	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE completion									
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	06/12/06	Bank Erosion	Ongoing	To be determined	No current schedule	Waiting on SCE to be completed	to be determined		To be determined		RP removed black sand from beach and bank in 10/01. Residual contamination exists on beach. Bank was replaced with clean fill.							
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE completion									
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	06/12/06	Stormwater	Ongoing	Storm water sampling per JSCS	No current schedule	Waiting on SCE to be completed	to be determined		Waiting on SCE completion									
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crawford Street Corp	2363	6.3 E	84248 N Crawford	Tom Gainer	PH Letter Agr for XPA (11/99)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasco (NW Natural)	84	6.4 W	7900 NW St. Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasco (NW Natural)	84	6.4 W	7900 NW St. Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/06/06	Bank Erosion	Ongoing	Coordinate Bank Source Control with anticipated in-water action	To be determined	Pathway is complete	p High		Waiting on SCE to be completed.									

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Gasco (NW Natural)	84	6.4 W	7900 NW St Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/09/06	Groundwater	Completed			Pathway is complete	High	High	Waiting on SCE to be completed.	Field Pilot 2006/Source Control Alternatives Evaluation March 2007								
Gasco (NW Natural)	84	6.4 W	7900 NW St Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/09/06	Stormwater	Ongoing	Complete stormwater system evaluation and sampling	Winter 2006	Pathway is complete	to be determined		Waiting on SCE to be completed.									
Gasco (NW Natural)	84	6.4 W	7900 NW St Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/09/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to CERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasco (NW Natural)	84	6.4 W	7900 NW St Helens	position currently vacant	Pre-PH VCP Agr for RI/FS (8/94)	RI	03/09/06	Other NPDES Permit	Ongoing	Review draft permit standards	July 2006	Pathway is complete	to be determined		Waiting on SCE to be completed.									
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Bank Erosion	Ongoing	Additional investigation and assessment	Winter 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Groundwater	Completed	Upland evaluation for manufactured gas plant waste is ongoing to support SCM alternatives evaluation		Pathway is complete	High		Waiting on SCM alternatives evaluation to be completed, 2007	Field Pilot 2006/Source Control Alternatives Evaluation March 2007								
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Stormwater	Ongoing	Complete formal analysis of sampling results	Fall 2006	Waiting on SCE to be completed	p Low	High	Waiting on SCE to be completed, 2006									
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Other Doane Creek	Ongoing	Doane creek investigation ongoing	Summer 2006	Pathway is complete	p Med		Waiting on SCE to be completed, 2006									
Gasco (Siltronic Operable Unit)	183	6.8 W	7700 NW Front	Matt McClincy	Joint Order issued to NW Natural and Wacker Siltronic (10/00)	RI	06/12/06	Other NPDES permit	Completed			Pathway is complete	Low		Waiting on SCE to be completed, 2006									
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A; subsurface releases from UST system	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Bank Erosion	N/A	N/A; subsurface releases from UST system	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Groundwater	Ongoing	Complete uplands RI and source control evaluation	2006	Pathway is complete	p High	p High	Waiting on SCE to be completed	schedule for completing draft evaluation report projected for Winter 2006	Final SCM is TBD; interim SCM pilot study (enhanced bioremediation) initiated 5/06							
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Stormwater	Ongoing	Site stormwater system evaluation, including data compilation and sampling	2006	Contaminated river sediments near northern facility outfall (Area 2)	to be determined		Waiting on SCE to be completed									
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Siltronic Corp. TCE Investigation	183	6.5 W	7200 NW Front	Dana Bayuk	VCP Order (2/04)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway, no actions recommended	Low		Waiting on SCE to be completed, 2006									

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Bank Erosion	Ongoing	Complete bank sampling	2006	Suspected migration pathway	to be determined	to be determined	Waiting on SCE to be completed, 2006									
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Groundwater	Ongoing	Continue groundwater monitoring	2006	Suspected migration pathway	to be determined		Waiting on SCE to be completed, 2006									
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Stormwater	Ongoing	Evaluate potential on-site storm drains	2006	Suspected migration pathway	to be determined		Waiting on SCE to be completed, 2006									
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Overwater Activities	N/A	N/A	N/A	No current source; likely historic sources	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willamette Cove	2066	6.8 E	Foot of N Edgewater	Kevin Parrett	PH Agr for RI/SCM (11/00)	RI	03/09/06	Other - in river (beach area removal)	Completed			Suspected migration pathway	Medium		EPA reviewed and commented	alternatives evaluation completed 2004	Source removal completed in river 10/2004	deferred to in-water RI						
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Groundwater (plume discharge to river)	Ongoing	SCE Technical Memorandum submitted 5/06, SCE Report and Alternatives Analysis due	Schedule TBD, work planned for '06-07	Pathway is complete	p.High		Waiting on SCE to be completed	TBD - '07								
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Groundwater (plume discharge to City Outfall 22B)	Completed			Pathway is complete	High				Final SCM TBD for groundwater, interim SCMs are line cleaning and sealing storm water line to prevent gw infiltration.							
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Stormwater	Ongoing	City Outfall 22B & 22C storm drain evaluations	Pending GW SCM for 22B	Waiting on SCE to be completed	p.Med		Waiting on SCE to be completed									
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Other : historical drainage ditch	Ongoing	Complete remedial investigation	SCE Technical Memorandum due 5/06	Waiting on SCE to be completed	p.Low		Waiting on SCE to be completed									
Rhone Poulenc	155	6.9 W	6200 NW St Helens	Tom Roick	Pre-PH Order for RI (1999)	RI	06/05/06	Other - current NPDES permitted discharge	Ongoing	To be determined	No current schedule	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Overland Transport/Sheet Flow	Completed			Pathway is complete	High	High	Complete		contaminated soil removal, sheet-pile barrier wall, sediment cap, riparian soil cap, upland soil cap, creosote extraction		all SCM's have been implemented	6,000 gallons of creosote recovered from groundwater, 33,000 tons of contaminated soil and debris removed, 23 acres of contaminated sediment capped, 6 acres of contaminated bank soil capped, 35 acres of contaminated upland soil capped			EPA reviewed and commented	periodic inspection and maintenance, effectiveness monitoring, site use restrictions
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Bank Erosion	Completed			Pathway is complete	High		Complete								EPA reviewed and commented	
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Groundwater	Completed			Pathway is complete	High		Complete								EPA reviewed and commented	
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Stormwater	Completed			Pathway is complete	High		Complete								EPA reviewed and commented	
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Overwater Activities	Completed			Pathway is complete	High		Complete								EPA reviewed and commented	
McCormick & Baxter	74	7	5900 N Edgewater Street	Kevin Parrett	Superfund agreement with EPA	remedy implemented	03/09/06	Other	N/A			N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy	Part of NW Natural Gasco site; see ESCI #84			Overland Transport/Sheet Flow																
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy				Bank Erosion																
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy				Groundwater																
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy				Stormwater																
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy				Overwater Activities																
Koppers Inc	2348	7	7540 NW St. Helens Rd.	Matt McClincy				Other																

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Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Groundwater (Chlorobenzene LNAPL Plume)	Ongoing	Source control evaluation in preparation	2006	Pathway is complete	p High	p High	Waiting on SCE completion	schedule for completing draft evaluation report, fall 2007 - DNAPL Isolation FFS scheduled August 2006	Final SCM TBD - Interim SCM AS/SVE system in-situ chemical oxidation - System shut down June 2006	EPA reviewed and commented on interim SCM (April 2005) - Expect submittal of DNAPL Isolation FFS to EPA August 2006	Interim SCMs include AS/SVE system, initiated in-situ chem-ox treatment					
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Groundwater (Hexavalent Chromium Plume)	Ongoing	Source control evaluation in preparation	2006	Pathway is complete	p High		Waiting on SCE completion	schedule for completing draft evaluation report, fall 2007	Final SCM TBD - Interim SCM in-situ calcium-polysulfide treatment underway	EPA reviewed and commented on interim SCM (April 2005)	Interim SCMs include in-situ calcium-polysulfide treatment					
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Groundwater (Pentachlorophenol Plume)	Ongoing	Source control evaluation in preparation	2006	Pathway is complete	p High		Waiting on SCE completion	schedule for completing draft evaluation report, fall 2007	Final SCM TBD - proposed field pilot expected 2006		None					
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Bank Erosion	Ongoing	define boundaries of contaminated bank material	To be determined	River Bank soil contaminant levels exceed action levels	p High		Anticipate integrating with EPA in-water early action process	schedule for completing draft evaluation report, Sept 2007	Timing of SCM to be coordinated with EPA early action		None					
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Stormwater	Ongoing	Additional characterization data to be collected in 2006	2007	Contaminants in stormwater exceed screening values (AWQC)	p High		EPA review deferred to review of selected SCM	alternatives evaluation in progress, 2007	Final SCMs to be determined		Interim SCMs include BMPs, surface soil removals and surface soil caps					
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arkema	398	7.2 W	6400 NW Front	Matt McClincy	Pre-PH VCP Formal Agr for RI/FS (9/98)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	06/12/06	Bank Erosion	Ongoing	RP is conducting RI to determine if SCMs are needed on the bank	RI to be completed in 2006	Preliminary determination that pathway is insignificant	p Low		Waiting on SCE to be completed									
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	06/12/06	Groundwater	Ongoing	Continue groundwater monitoring to evaluate shoreline concentrations	Fall 2006	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed									
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	06/12/06	Stormwater	Ongoing	Storm water sampling per JSCS	Fall 2006	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed									
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	03/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
McCall Oil	134	7.4 W	5550 NW Front	Tom Gainer	PH Agr for RI/CSM (3/00)	RI	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	03/09/06	Overland Transport/Sheet Flow	Ongoing	XPA complete; RI and SCE to be initiated	SOW under development, due (2006).	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed									
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	06/12/06	Bank Erosion	Ongoing	XPA complete; RI and SCE to be initiated in RI	SOW under development , due 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	06/12/06	Groundwater	Ongoing	XPA complete; RI and SCE to be initiated	SOW under development , due 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	06/12/06	Stormwater	Ongoing	XPA complete; RI and SCE to be initiated	SOW under development , due 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									

BZTO104(e)028253

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GS Roofing	117	7.5 W	6350 NW Front	Mike Romero	VCP - PH Agr Pending	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Jim Anderson	Pre-PH PPA for RI/FS (5/97)	RD / RA	03/10/06	Overland Transport/Sheet Flow	Completed			Contaminated soil entrained in stormwater & sheetflow	Medium		EPA reviewed and commented	alternatives evaluation completed, 12/2004	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale	Proposed SCM to EPA 9/04; Received comments 12/04; DEQ responded to comments 2/05	SCMs anticipated to be initated after pending property transaction is complete (2007)	Estimated 820cy of soil will be removed & 5,100sy of surface capped	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale			
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Jim Anderson	Pre-PH PPA for RI/FS (5/97)	FS	03/10/06	Bank Erosion	Completed			Contaminated soil entrained in stormwater & sheetflow	Medium		EPA reviewed and commented	alternatives evaluation completed, 12/2004	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale	Proposed SCM to EPA 9/04; Received comments 12/04; DEQ responded to comments 2/05	SCMs anticipated to be initated after pending property transaction is complete (2007)	A portion of the estimated 820cy of soil to be removed & 5,100sy of surface cappped is in the bank area	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale			
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Dana Bayuk	DEQ Lead (Orphan Account)	RI	06/12/06	Groundwater	Ongoing	Prepare source control evaluation	June 2006	Pathway is complete	p Low	to be determined	Waitining on SCE completion								N/A	
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Jim Anderson	Pre-PH PPA for RI/FS (5/97)	FS	03/10/06	Stormwater	Completed			Contaminated soil entrained in stormwater & sheetflow	Medium		EPA reviewed and commented, 12/2004	alternatives evaluation completed, 12/2004	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale	EPA review completed 12/04	SCMs anticipated to be initated after pending property transaction is complete (2007)	A portion of the estimated 820cy of soil to be removed & 5,100sy of surface cappped is in the bank area	-Dig & haul soil hot spots & ICON/ECON -soil cleanup anticipated to be initiated in '07 after property sale		Proposed SCD to EPA 9/04; Received comments 12/04; DEQ responded to comments 2/05	
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Jim Anderson	Pre-PH PPA for RI/FS (5/97)	FS	03/10/06	Overwater Activities	N/A			No current overwater activities	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Triangle Park (N PDX Yard)	277	7.5 E	5828 N Van Houten	Jim Anderson	Pre-PH PPA for RI/FS (5/97)	FS	03/10/06	Other - Petroleum pipeline enters at south end of site from beneath the river	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented									
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA issued groundwater NFA based upon risk assessment		No SCM needed						EPA lead	
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Groundwater/City Storm Sewer	Ongoing	TBD, storm sewer appears to be preferential pathway for contaminant migration	to be determined	Patrway is complete	p High		EPA lead									
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Stormwater	Completed			Historically pathway existed. Current discharge insignificant pathway; no actions recommended	Low		EPA lead		1) Contaminated soil removal and containment (landfill); 2) Sediment removal; 3) RCRA waste containment; 4) Removed waste pond; 5) O&M ongoing						EPA lead	
Gould Electronics, Inc aka GA-TEK	49	7.5W	5909 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BZTO104(e)028254

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Gould Electronics, Inc aka OA-TEK	49	7.5W	5809 NW 61st Ave	EPA lead, Chip Humphrey	EPA Consent Decree		03/15/06	Other - Historic and Current NPDES permit	Completed			Historically pathway existed. Current discharge insignificant pathway, no actions recommended	Low		EPA lead								EPA lead	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	High	Submitted to EPA fall 2004; no comments		No SCM needed						N/A	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		Submitted to EPA fall 2004; no comments		No SCM needed						N/A	
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Groundwater	Completed			GW suspected migration pathway	High		Submitted to EPA fall 2004; no comments	no alternatives evaluation needed	Product recovery & hydraulic containment (sheet pile wall)	Proposed SCM submitted to EPA fall 2006; no comments	hydraulic containment and treatment		containment system to be installed in summer 2006			
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Stormwater	Ongoing	Apply stormwater guidance to assess pathway	Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Willbridge (Kinder Morgan, Chevron, Conoco Phillips)	1549	7.7 W	Front Ave & NW Doane	Jill Kiernan	Pre-PH Consent Order (3/94)	FS	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03)	XPA	06/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A		p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03)	XPA	06/06/06	Bank Erosion	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03); new agreement being negotiated	XPA	06/06/06	Groundwater	Ongoing	XPA fieldwork complete; DEQ provided comments for source control screening, SCE report pending	spring 2007	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed			Waiting on SCE to be completed						
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03); new agreement being negotiated	XPA	06/06/06	Stormwater	Ongoing	XPA fieldwork complete; DEQ provided comments for source control screening, SCE report pending	spring 2007	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed			Waiting on SCE to be completed						
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03)	XPA	06/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chevron Asphalt	1281	8.0 W	5501 NW Front	Mark Pugh	PH Letter Agr for XPA (1/03)	XPA	06/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Overland Transport/Sheet Flow	Ongoing	Conducting XPA	2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed									
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Bank Erosion	Ongoing	Conducting XPA	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Groundwater	Ongoing	Conducting XPA	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									

BZTO104(e)028255

Table 1: DEQ Milestone Report
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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Stormwater	Ongoing	Conducting XPA, additional sampling needed	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front Ave LP	1239	8.1 W	4950, 5034 & 5200 NW Front	Mike Romero	VCP Letter Agr for PA (1/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero	Part of Front Ave LP site, see ESCI #1239			Overland Transport/Sheet Flow																
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero				Bank Erosion																
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero				Groundwater																
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero				Stormwater																
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero				Overwater Activities																
Glacier Northwest Inc.	2378		5034 NW Front Ave	Mike Romero				Other																
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	03/06/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	to be determined	Waiting on SCE to be completed Winter 2006									
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	03/06/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE to be completed Winter 2006									
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE to be completed Winter 2006									
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	06/12/06	Stormwater	Ongoing	Sampling stormwater system	Fall 2006	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed Winter 2006									
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	06/12/06	Overwater Activities	Ongoing	Evaluate dock activities	Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed Winter 2006									
USCG	1338	8.2 E	6767 N Basin Ave.	Tom Gainer	VCP Letter Agr (2/04)	RI	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Overland Transport/Sheet Flow	Not Started	screening	No current schedule.	Insignificant pathway; no actions recommended	Low	p Med	Waiting on SCE completion									
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Bank Erosion	Not Started	screening	No current schedule.	Waiting on SCE to be completed	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Groundwater	Not Started	screening	No current schedule.	Waiting on SCE to be completed	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Stormwater	Ongoing	negotiate agreement or issue order to conduct stormwater SCE	negotiate agreement or issue order by 6/2006, complete SCE early 2007	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed									
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fred Devine	2365	8.3 E	6211 N Ensign	Mark Pugh	No Agr	XPA	06/06/06	Other	N/A	N/A	N/A	Waiting on SCE to be completed	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Schnitzer Terminal	2442	8.3 W	4969 NW Front	Matt McClincy	PA Letter Agr for XPA (9/00)	XPA	03/13/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 9/2002		No SCM needed							

BZTO104(e)028256

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Schnitzer Hittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	XPA	03/13/06	Bank Erosion	N/A			N/A	none	Low	EPA reviewed and commented 8/2002		No SCM needed							
Schnitzer Hittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	XPA	03/13/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented 8/2002		No SCM needed							
Schnitzer Hittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	XPA	03/13/06	Stormwater	Completed			Insignificant pathway; possible historic source	Low		EPA reviewed and commented 8/2002		No SCM needed							
Schnitzer Hittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	XPA	03/13/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Schnitzer Hittridge	2442	8.3 W	4959 NW Front	Matt McClincy	PH Letter Agr for XPA (9/00)	XPA	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Groundwater	Ongoing	determine nature and extent of VOC plume	SOW under development, 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Stormwater	Ongoing	SW evaluation needed	SOW under development, due spring 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed		RP voluntarily applying SW engineering controls on Ensign Street Outfall; coating metal roof; stormwater system sediment cleanout 06' prior to completing screening							
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner Truck Plant	2366	8.4 E	6936 N Fathom	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE completion									
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Groundwater	Ongoing	DEQ review of SCE data and source control determination	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE completion May 2006		UIC closures in 2003							
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Stormwater	Ongoing	Initiate stormwater evaluation	to be determined	Waiting on SCE to be completed	to be determined		Waiting on SCE completion		Interim SCM: stormwater UICs closure in 2003							
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lakeside Industries	2372	8.4 W	4850 NW Front	Bill Robertson	PH Letter Agr for XPA (3/02)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98) PH Agr in signature process	RI	06/06/06	Bank Erosion	Ongoing	RP is conducting RI to determine if SCM is needed	SOW under development, due (90 days after PH Agr issued)	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Bank Erosion - In Channel Area Fast Area	Ongoing	RP is conducting RI to determine if SCM is needed	Risk assessment workplan approved with comment	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed Spring 2006									

BZTO104(e)028257

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Groundwater	Ongoing	RP is conducting RI to determine if SCM is needed; 2005 annual groundwater monitoring report submitted	SOW under development; due (90 days after PH Agr issued)	Waiting on SCE to be completed	p Med	p Med	Waiting on SCE to be completed									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Groundwater - N Channel Ave Fab Area	Ongoing	Risk assessment workplan approved with comment	SOW under development; due (under review)	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed Spring 2006									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Stormwater	Not Started	Negotiating agreement with current owner	negotiate agreement by 6/2006; initiate SW evaluation summer 2006	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Stormwater - N Channel Ave Fab Area	Ongoing	Risk assessment workplan approved with comment	Supplemental RI data needed; to be completed by summer 2006	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed Spring 2006									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Overwater Activities - N Channel Ave Fab Area	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Overland Transport/Sheet Flow	Ongoing	RP is conducting RI to determine if SCM is needed	SOW under development; due (90 days after PH Agr issued)	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed Spring 2006									
Portland Shipyard	271	8.4 E	Swan Island	Jennifer Sutter	Pre-PH VCP Letter Agr (9/98)	RI	06/06/06	Overland Transport/Sheet Flow - N Channel Ave Fab Area	Ongoing	Risk assessment workplan approved with comment	SOW under development; due (under review)	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed Spring 2006									
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Overwater Activities	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and commented, 8/2002		No SCM needed							
Shaver Transportation	2377	8.4 W	4900 NW Front	Mark Pugh	PH Letter Agr for XPA (3/01)	NFA	03/03/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Medium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Stormwater	Completed			Pathway is complete	Medium		EPA reviewed and commented on preliminary SCD, 6/2004	alternatives evaluation completed; submitted to EPA 8/2005	stormwater catch basin inline cleanout, stormwater BMPs, monitoring	SCM SCD finalized 7/2005, EPA commented	stormwater catch basin inline cleanout, stormwater BMPs, monitoring		ongoing stormwater monitoring through spring 2006			
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Calbag Metals	2454	8.5 W	4927 NW Front	Tom Gainer	PH Letter Agr for XPA (3/01)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BZTO104(e)028258

Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Groundwater	Ongoing	RP needs to finalize RI and SCE report	Draft SCE expected 2006	Waiting on SCE to be completed	p Low		Waiting for SCE to be completed.									
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Product Pipeline	2117	8.7	4500 Block Front Ave	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	03/10/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	03/10/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	03/10/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE completion		No SCM needed							
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	None	conditional NFA 2004	03/10/06	Stormwater	N/A	N/A	N/A	N/A	none			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	03/10/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Container Recovery	4016	8.9W	3900 NWYeon	Matt McClincy	Pre-PH VCP Letter Agr for RI/FS	conditional NFA 2004	03/10/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Stormwater	Ongoing	Storm line investigation 6/06	~Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Forest Park	2406	8.5	4400 Block Street	Tom Roick	PPA	RI	06/07/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	03/06/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	06/12/06	Stormwater	Ongoing	Storm water sampling per JSCS	Winter2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed, 2006		Storm water BMPs and filtering catch basin sediment							
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Christensen Oil	2426	8.9 W	3821 NW St Helens	Tom Gainer	VCP Letter Agr for PA (8/00)	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BZTO104(e)028259

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Groundwater	Ongoing	RP needs to finalize RI and SCE report	Draft SCE expected 2006	Waiting on SCE to be completed	p Low		Waiting for SCE to be completed									
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Stormwater	Ongoing	RP needs to finalize RI and SCE report	Draft SCE expected 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texaco Terminal	169	8.9 W	3800 NW St Helens	Matt McClincy	PH Agr for RI/SCM (8/00)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	03/06/06	Groundwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	06/27/06	Stormwater	Ongoing	Implementation of stormwater line cleanout and BMPs	No current schedule	Waiting on SCE to be completed	to be determined		Wainting on SCE to be completed									
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Anderson Brothers Property	970	8.9	5275 & 5315 NW St. Helens Rd.	Bob Schwarz	ICP	RI	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Overland Transport/Sheet Flow																
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Bank Erosion																
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Groundwater																
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Stormwater																
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Overwater Activities																
Vanwater and Rogers	330	9	3950 NW Yeon Ave	EPA lead; Kristine Koch				Other																
Guilds Lake HY Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guilds Lake HY Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Groundwater	Ongoing	GW Investigation ongoing; in early stages	2006 Pre-RI report identified some sources; full SCE schedule to be determined	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Guilds Lake HY Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Stormwater	Ongoing	SW Investigation ongoing; in early stages	2006 Pre-RI report identified some sources; full SCE schedule to be determined	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Guilds Lake RR Yard	100	9.0 W	3500 NW Yeon	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Overland Transport/Sheet Flow - Area 1	N/A	N/A, entirely paved and/or developed	N/A	N/A	none	p-High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Overland Transport/Sheet Flow - Area 2	Ongoing	Complete RI report with source control screening, prepare source control evaluation	Projected for late 2006	Pathway is complete	p-High		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Overland Transport/Sheet Flow - Area 3	Ongoing	Complete RI report with source control screening, prepare source control decision	Fall 2006	Pathway is complete	p-High		Waiting on SCE completion									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Bank Erosion - Area 1	Ongoing	Survey of erodible soils, follow-up sampling	No current schedule.	Waiting on SCE to be completed	to be determined		Waiting on SCE completion									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Bank Erosion - Area 2	Ongoing	Complete RI report with source control screening, prepare source control decision	Projected for late 2006	Pathway is complete	p-High		Waiting on SCE completion									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Bank Erosion - Area 3	Ongoing	Complete RI report with source control screening, prepare source control decision	Fall 2006	Pathway is complete	p-High		Waiting on SCE completion									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Overwater Activities - Area 1	N/A	N/A	N/A	No known current sources (spills will be reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Groundwater - Area 1	Completed	N/A, SCE submitted to EPA February 2003. SCMs implemented.	N/A	Groundwater is a complete pathway. VOC plume migrating to river	p-Med		EPA comments received 5/03	alternatives evaluation completed, EPA comments received 5/2003	Hydraulic containment and source removal.	SCD submitted to EPA 2/2003, EPA comments received 5/2003	P&T and AS/SVE systems installed and operating.	~26 lbs. of HVOCs removed as of 11/05	Assess downgradient capture of VOC plume on Lakeside Industries property. Schedule TBD			Quarterly performance monitoring and reporting
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Groundwater - Area 2	Ongoing	Complete RI report with source control screening, prepare source control decision	Projected for late 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Groundwater - Area 3	Ongoing	Complete RI report with source control screening, prepare source control decision	Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Stormwater - Area 1	Ongoing	Compile, review and screen data	No current schedule.	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Stormwater - Area 2	Ongoing	Complete RI report with source control screening, prepare source control decision	Projected for late 2006	Waiting on SCE to be completed	p-High		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Stormwater - Area 3	Ongoing	Complete RI report with source control screening, prepare source control decision	Fall 2006	Waiting on SCE to be completed	p-High		Waiting on SCE to be completed.									
Gunderson	1155	9.0 W	4350 SW Front	Dana Bayuk	Pre-PH VCP Formal Agr for RI/FS (1994)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Groundwater	Ongoing	GW investigation nearing completion	2006	Waiting on SCE to be completed	to be determined											
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Stormwater	Ongoing	Additional stormwater sampling needed	SOW under development, due spring 2006.	Waiting on SCE to be completed	to be determined				RP voluntary cleanout of stormwater system prior to completing screening							

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Confirmed or suspected Sources of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freightliner (Parts Mfg Plant)	115	9.2 E	5400 N Basin	Mike Romero	PH Agr for RI/SCM (12/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Groundwater	Not Started	Additional limited groundwater sampling	No current schedule, pending PPA development	Waiting on SCE to be completed	to be determined	to be determined										
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Stormwater	Not Started	Installation and sampling of storm drain	No current schedule, pending PPA development	Waiting on SCE to be completed	to be determined											
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Columbia American Plating	29	9.3	3003 NW 35th Ave	Mark Pugh	Negotiating PPA	Negotiating PPA	06/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GE Decommis-sioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GE Decommis-sioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GE Decommis-sioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	03/06/06	Groundwater	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GE Decommis-sioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	06/12/06	Stormwater	Ongoing	Storm water sampling per JSCS	Winter 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be complete; winter 2006		Initiated removal of PCB contaminated sediment from onsite catch basins and pipes							
GE Decommis-sioning	4003	9.5 W	2727 NW 29th	Tom Gainer	PH Agr for XPA (1/04)	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Overland Transport/Sheet Flow	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Bank Erosion	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Groundwater	Ongoing	Continued monitoring	No current schedule.	XPA data suggests groundwater may contribute to City storm line during low flows	to be determined		Waiting on SCE to be completed (2006)									

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Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Stormwater	Ongoing	Continued monitoring per JSCS	2006	Pathway is complete	to be determined	to be determined	Waiting on SCE to be completed (2006)		Final SCMs TBD, interim SCMs include supplementing BMPs (yard sweeping) and evaluating yard paving/sealing and separting site storm water from City line							
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Overwater Activities	N/A	N/A, site located ~4,500 feet from river	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Galvanizers Company	1196	9.6 W	2406 NW 30h	Dana Bayuk	PH Agr for XPA (10/03)	XPA	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA reviewed and concurred 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and concurred 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA reviewed and concurred 5/04		No SCM needed						N/A	
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Goldendale Aluminum	2440	9.8 E	2600 N River	Tom Gainer	PH Letter Agr for XPA (2/00)	NFA 5/2004	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be determined	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	03/06/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		Waiting on SCE to be completed; 2006									
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	06/12/06	Stormwater	Ongoing	Evaluate stormwater system	Fall 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed; 2006									
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 2	2769	10.0 W	3556 NW Front	Tom Gainer	IGA	XPA	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Overland Transport/Sheet Flow	Ongoing	SCE ongoing	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Bank Erosion	Ongoing	SCE ongoing	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed									

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Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

= Shading indicates that upland source control work has been completed at the site.
= Orange indicates that the site is a high priority, or potentially high priority for source control.
= Yellow indicates that the site is a medium priority, or potentially medium priority for source control.
= Green indicates that the site is a low priority, or potentially low priority for source control.

Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Groundwater	Ongoing	SCE ongoing	2006	Waiting on SCE to be completed	to be determined	to be determined	Waiting on SCE to be completed									
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Stormwater	Ongoing	SCE ongoing	2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed		RP cleaned out stormwater system prior to completion of screening; more SCMs may be needed							
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UPRR Albina	178	10.3 E	2745 N Interstate	Mike Romero	PH Agr for RI/SCM (3/02)	RI	06/12/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	03/02/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	03/02/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	06/12/06	Groundwater	Completed	Respond to BES comments	Summer 2006	Insignificant pathway; no actions recommended	Low		SCE submitted to EPA for review 3/2006									
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	03/02/06	Stormwater	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	03/02/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PGE Substation E	3976	10.4	2835 NW Front Ave	Tom Gainer	VCP	XPA	03/02/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	03/03/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	p Med	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	06/06/06	Bank Erosion	Ongoing	RP is conducting a SCE	SCE to be completed in fall 2006	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed, fall 2006									
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	06/06/06	Groundwater	Ongoing	RP is conducting a SCE	SCE to be completed in fall 2006	Waiting on SCE to be completed	p Low		Waiting on SCE to be completed, fall 2006	schedule for completing draft evaluation report Fall 2006	Storm line and catch basin cleanout	SCE evaluation pending	Cleanout completed in Oct 2005					
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	06/06/06	Stormwater	Ongoing	RP is conducting a SCE	SCE to be completed in fall 2006	Waiting on SCE to be completed	p Med		Waiting on SCE to be completed, fall 2006									
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	06/06/06	Overwater Activities	N/A	N/A	N/A	No known current sources (spills reported to OERS)	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulzer Pump	1235	10.4 W	2800 NW Front	Mark Pugh	PH Agr for XPA (9/02)	XPA	06/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	03/06/06	Overland Transport/Sheet Flow	N/A	N/A	N/A	N/A	none	to be	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	03/06/06	Bank Erosion	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	06/12/06	Groundwater	Ongoing	Complete groundwater weight-of-evidence evaluation concerning one well	Summer 2006	Waiting on SCE to be completed	to be determined		Waiting on SCE to be completed, 2006									

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Table 1: DEQ Milestone Report
Controlling Confirmed or Suspected Upland Sources of Contamination to Portland Harbor

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Confirmed or suspected **Sources** of contamination to the river								Source Control Evaluation (SCE)								Source Control Decisions (SCDs) and Status of Source Control Measures (SCMs)								
Site information					Project status							Basis for determination that source control is needed												
Site name	ECSI #	River mile	Address	DEQ PM	Type of agreement directing source control	Project status	Date last modified (m-d-y)	Potential contaminant migration pathway	Status of SCE	Major SCE tasks to be completed	Schedule for completing SCE	Pathway determination	Pathway priority level	Site priority level	Status of EPA review of SCE decision	Source control alternatives evaluation and schedule (m-y)	Selected SCMs	Status of EPA review of SCM selection decision	SCM activities completed to date (m-y)	Mass or volume of contaminants controlled	Proposed SCM activities to be done and schedule (m-y)	Date SCM completed (m-y)	Status of EPA review of completed SCM	Operaton and maintenance requirements
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	03/06/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low	determined	Waiting on SCE to be completed, 2006									
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	03/06/06	Overwater Activities	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Port of Portland Terminal 1 North	3377	10.6 W	2200 NW Front	Tom Gainer	PH Agr for RI/SCM	RI	03/06/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Overland Transport/Sheet Flow	Completed			Insignificant pathway; no actions recommended	Low	Low	EPA did not review SCD since site was outside PH		Soil removal and management plan during development; Deed restrictions						EPA did not review SCD since site was outside PH	
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Bank Erosion	Completed			Insignificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH		No SCM needed						EPA did not review SCD since site was outside PH	
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Groundwater	Completed			Insignificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH		No SCM needed						EPA did not review SCD since site was outside PH	
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Stormwater	Completed			Insignificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH		No SCM needed						EPA did not review SCD since site was outside PH	
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Overwater Activities	Completed			Insignificant pathway; no actions recommended	Low		EPA did not review SCD since site was outside PH		No SCM needed						EPA did not review SCD since site was outside PH	
Riverscape (aka Port of Portland T-5)	2642	10.9	2100 NW Front	Matt McClincy	RD/RA Agreement (06/06/03)	Conditional NFA 6/2003	03/13/06	Other	N/A	N/A	N/A	N/A	none		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: DEQ screened the following sites and determined that they are not potential sources of contamination to the Willamette River: Alder Creek Lumber; Babcock Land Company, LLC; City of Portland Bureau of Environmental Services Water Lab; Hamton Lumber Sales/CMI/NW; Hendren Tow Boats; Lone Star NW; RK Storage; Santa Fe Pacific Pipeline; Transloader International (General Construction Co.).

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PORTLAND HARBOR RI/FS

COMPREHENSIVE ROUND 2 SITE CHARACTERIZATION SUMMARY AND DATA GAPS ANALYSIS REPORT

APPENDIX C
NATURE AND EXTENT

February 21, 2007

Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
< 0.075 mm	percent	39	39	100	2.13	95.7	54.3	68.1	91.9	2.13	95.7	54.3	68.1	91.9
>10 Phi clay	percent	101	101	100		11.4	2.64	1.46 T	7.3	0	11.4	2.64	1.46 T	7.3
>9 Phi clay	percent	676	676	100		20.9	4.81	4.56	10.5 T	0	20.9	4.81	4.56	10.5 T
8-9 Phi clay	percent	778	777	99.9		16.3	2.95	2.75	6.5	0	16.3	2.94	2.74	6.5
9-10 Phi clay	percent	101	99	98	0.02	12	1.93	1.3	4.4	0.01 U	12	1.89	1.26 T	4.3
Clay	percent	337	337	100		24.4	9.05	9.02	18.8	0	24.4	9.05	9.02	18.8
Coarse sand	percent	866	866	100	0.01	45.5	6.22	1.98	23.6	0.01	45.5	6.22	1.98	23.6
Coarse silt	percent	778	775	99.6		60.2	17.5	16.6 T	40.6	0	60.2	17.4	16.4	40.6
Fine gravel	percent	751	743	98.9	T	29.5	1.27	0.37	5.55	0 T	29.5	1.26	0.37	5.55
Fine sand	percent	866	866	100	0.29	52	9.74	7.52	25	0.29	52	9.74	7.52	25
Fine silt	percent	778	777	99.9		27.5	7.66	7.3	17	0	27.5	7.65	7.3 T	17
Fines	percent	1150	1150	100		103 T	54.3	61.7	92.8 T	0	103 T	54.3	61.7	92.8 T
Gravel	percent	327	325	99.4		84.6	3.93	0.3	14.8 T	0	84.6	3.9	0.3	14.8 T
Medium gravel	percent	751	730	97.2		60	1.48		8.96	0	60	1.44	0	7.91
Medium sand	percent	866	866	100	0.08	78.4	16	6.11 T	56.3	0.08	78.4	16	6.11 T	56.3
Medium silt	percent	778	777	99.9		48.2	12.5	12.4	26.4 T	0	48.2	12.5	12.4	26.4 T
Sand	percent	282	282	100	1.67 E	99	36	27.9	89.46	1.67 E	99	36	27.9	89.46
Sieve 10	percent	43	43	100		7.5	0.43		1.5	0	7.5	0.43	0	1.5
Sieve 140	percent	43	43	100	2	38.2 J	9.2	7.8	15.7	2	38.2 J	9.2	7.8	15.7
Sieve 20	percent	43	43	100		5.3	0.981	0.4	3	0	5.3	0.981	0.4	3
Sieve 200	percent	43	43	100	0.14	9.3 J	3.29	3	6.5	0.14	9.3 J	3.29	3	6.5
Sieve 230	percent	4	4	100	2.6	6.7	5.13	5.3	5.9	2.6	6.7	5.13	5.3	5.9
Sieve 4	percent	43	43	100		8.3	0.556		2.2	0	8.3	0.556	0	2.2
Sieve 40	percent	43	43	100	0.1	38.4	10.7	3.7	34.5	0.1	38.4	10.7	3.7	34.5
Sieve 60	percent	43	43	100	0.3	56	17.9	10.6	50.9 J	0.3	56	17.9	10.6	50.9 J
Silt	percent	343	343	100	0.02	95.7	56.6	63.1	83.4	0.02	95.7	56.6	63.1	83.4
Very coarse sand	percent	864	864	100		26.2	1.88	0.83	7.03	0	26.2	1.88	0.83	7.03
Very fine sand	percent	864	864	100	0.04	66.8	11.3	9.43	28.9	0.04	66.8	11.3	9.43	28.9
Very fine silt	percent	778	778	100		24.7	4.9	4.63	11.1	0	24.7	4.9	4.63	11.1
Conventionals														
Acid Volatile Sulfides	mg/kg	70	50	71.4	0.8	434 H	25.5	7.2	58.1	0.7 U	434 H	18.4	3.7	47
Acid Volatile Sulfides	umol/g	6	6	100	0.00501 G	0.0315 G	0.0183	0.0137	0.0314	0.00501 G	0.0315 G	0.0183	0.0137	0.0314
Ammonia	mg/kg	422	417	98.8	0.4 J	481	101	88.1	225	0.3 U	481	101	87.2	221
Cyanide	mg/kg	17	14	82.4	0.14 J	7.3 J	1.19	0.44 J	2.4 J	0.08 UJ	7.3 J	0.993	0.4 J	2.4 J
Oxidation-Reduction Potential	mv	2	2	100	-55.9	227	85.6	-55.9	-55.9	-55.9	227	85.6	-55.9	-55.9
Perchlorate	ug/kg	13	3	23.1	96200	274000	213000	269000	269000	22 U	274000	49200	11 U	269000
pH	ph units	2	2	100	6.79	7.03	6.91	6.79	6.79	6.79	7.03	6.91	6.79	6.79
Specific Gravity	NA	617	617	100	1.17	2.17	1.51	1.47 J	1.84	1.17	2.17	1.51	1.47 J	1.84
Sulfide	mg/kg	419	382	91.2	0.2 J	1830 G	32	6.8 J	96.3 G	0.07 UJ	1830 G	29.2	5.4 J	92.4 G
Total organic carbon	percent	1318	1314	99.7	0.00715 J	27	1.82	1.75	3.19	0.00433 U	27	1.82	1.75	3.19
Total solids	percent	1091	1091	100	10.9	97.2	55.2	52.1	80.8 T	10.9	97.2	55.2	52.1	80.8 T
Total volatile solids	percent	171	171	100	0.91	12.9	7.15	7.29	9.92	0.91	12.9	7.15	7.29	9.92
Metals														
Aluminum	mg/kg	1016	1016	100	1630	46200	23200	23600	40700	1630	46200	23200	23600	40700
Antimony	mg/kg	1084	761	70.2	0.02 G	47.7	1.12	0.21 J	6 J	0.02 UG	47.7	1.08	0.18 J	5.5 U
Arsenic	mg/kg	1259	1132	89.9	0.7	132	4.9	3.79	9	0.7	132	4.67	3.66 J	8.9
Barium	mg/kg	213	213	100	58.9 G	5950	197	176	222	58.9 G	5950	197	176	222
Beryllium	mg/kg	221	204	92.3	0.217 J	1.19	0.594	0.6	0.7 T	0.217 J	1.24 U	0.59	0.6	0.7
Cadmium	mg/kg	1231	1130	91.8	0.0156 J	6.6 G	0.429	0.262	1.35	0.00159 U	6.6 G	0.406	0.255 T	1.3
Calcium	mg/kg	147	147	100	4430 J	53800	8740	8280	9820	4430 J	53800	8740	8280	9820
Chromium hexavalent	mg/kg	61	28	45.9	0.2 J	2.1 J	0.72	0.5 J	1.5 J	0.1 UJ	2.1 J	0.412	0.3 UJ	1.3 J
Chromium	mg/kg	1248	1245	99.8	4.07 J	819 J	36.2	30 T	56.8	4.07 J	819 J	36.2	30	56.8
Cobalt	mg/kg	147	147	100	11.1 T	55.5	18.3	18.3	20.1	11.1 T	55.5	18.3	18.3	20.1
Copper	mg/kg	1248	1244	99.7	6.19 J	1150	57.4	39.3	146	6.19 J	1150	57.2	39.2 J	146
Iron	mg/kg	163	163	100	19100	84900	41900	42300	51900	19100	84900	41900	42300	51900
Lead	mg/kg	1248	1233	98.8	2.5	1950	39.4	16.2	110	2.5	1950	39	16.1	110
Magnesium	mg/kg	147	147	100	3710	14500	6720	6960	7620	3710	14500	6720	6960	7620
Manganese	mg/kg	218	218	100	265	2130	646	653	853	265	2130	646	653	853
Mercury	mg/kg	1224	1116	91.2	0.006 J	4.84	0.104	0.07	0.276	0.006 J	4.84	0.0966	0.065	0.266 J
Nickel	mg/kg	1219	1205	98.9	6.22 J	594	25.6	23.6	34.9 T	6.22 J	594	25.4	23.5 T	34.9 T
Potassium	mg/kg	147	147	100	540	50000	1670	1280	1530	540	50000	1670	1280	1530
Selenium	mg/kg	1097	481	43.8	0.03 J	20	3.21	0.18 T	14	0.03 UJ	20	1.53	0.12	12
Silver	mg/kg	1229	1139	92.7	0.014 J	14.8	0.382	0.218 J	1.13	0.014 J	14.8	0.378	0.219 J	1.105 U
Sodium	mg/kg	147	147	100	352	49000	1790	1100	2380 T	352	49000	1790	1100	2380 T
Thallium	mg/kg	221	173	78.3	0.026 J	27	8.17	8	22	0.026 J	27	6.78	5	22
Tin	mg/kg	16	16	100	0.891 X	14.2 G	3.7	2.05 X	7.04 G	0.891 X	14.2 G	3.7	2.05 X	7.04 G
Titanium	mg/kg	75	75	100	940	3680	1980	1930	3110	940	3680	1980	1930	3110

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
Vanadium	mg/kg	147	147	100	63	152	102	105	121 T	63	152	102	105	121 T
Zinc	mg/kg	1240	1240	100	17.3 G	2010	150	106	374	17.3 G	2010	150	106	374
Butyltins														
Butyltin ion	ug/kg	256	177	69.1	0.093 J	740 J	16.4	2	52	0.091 U	740 J	12	2.8 J	39
Dibutyltin dichloride	ug/kg	4	4	100	17 J	34 J	29.3	32 J	34 JT	17 J	34 J	29.3	32 J	34 JT
Dibutyltin ion	ug/kg	256	190	74.2	0.14 J	2700	58.1	6.9	150	0.14 J	2700	43.9	3.6	125 T
Monobutyltin trichloride	ug/kg	3	3	100	8.2 J	28 J	15.3	9.6 J	9.6 J	8.2 J	28 J	15.3	9.6 J	9.6 J
Tetrabutyltin	ug/kg	260	84	32.3	0.27 J	1000	18.8	1.6 J	29	0.095 U	1000	6.93	1 U	7.14
Tributyltin chloride	ug/kg	4	4	100	25	64	40.9	31	43.5 T	25	64	40.9	31	43.5 T
Tributyltin ion	ug/kg	274	260	94.9	0.45 J	47000	589	30	1158	0.23 U	47000	559	26	980
PCB Aroclors														
Aroclor 1016	ug/kg	947	1	0.106	46	46	46	46	46	1.1 U	2000 U	10.5	1.75 U	25.35 U
Aroclor 1221	ug/kg	946	12	1.27	10.7	109	49.4	40.1	99.4	1.6 U	4000 U	20	2.25 U	50 U
Aroclor 1232	ug/kg	946	0	0						1.6 U	2190 UJ	12	1.95 UT	33.5 U
Aroclor 1242	ug/kg	947	23	2.43	5	1200	170	93	350	1.1 U	2000 U	14.5	1.77 UJ	34 U
Aroclor 1248	ug/kg	947	265	28	2.59 J	22300 J	237	16.9 J	701	1.4 U	22300 J	74.5	4.05 U	159 J
Aroclor 1254	ug/kg	947	372	39.3	0.851 J	2100	91.2	24.5	365 J	0.64 U	2200 U	45.9	8.3 J	184
Aroclor 1260	ug/kg	947	636	67.2	1.3 J	5070 J	63.7	15	215 J	0.82 U	5070 J	51.1	10 U	190 J
Aroclor 1262	ug/kg	701	0	0						0.98 U	1220 UJ	3.78	1.2 U	10 U
Aroclor 1268	ug/kg	701	19	2.71	1.89 J	55	15.3	11.9	44.7	0.84 U	1050 UJ	3.85	1.3 U	11 U
Total PCB Aroclors	ug/kg	948	713	75.2	0.851 JT	27400 JT	199	33.9 JT	810 T	0.851 JT	27400 JT	162	20 UT	606 T
PCB Congeners														
PCB001	ug/kg	144	139	96.5	0.00195 T	217	1.8	0.0194	1.65	0.00168 U	217	1.74	0.0183	1.05
PCB002	ug/kg	144	138	95.8	0.00125 T	21.2	0.199	0.0172	0.114	0.00125 T	21.2	0.191	0.0165	0.106
PCB003	ug/kg	144	139	96.5	0.00222 T	124	1.03	0.021	0.507	0.00168 U	124	0.993	0.0203	0.439
PCB004 & 010	ug/kg	133	122	91.7	0.00543	267	3.93	0.0767	7.48	0.00333 U	267	3.61	0.0726	7.48
PCB004	ug/kg	11	11	100	0.00586 T	9.07	1.09	0.308	0.784	0.00586 T	9.07	1.09	0.308	0.784
PCB005 & 008	ug/kg	133	132	99.2	0.0094	780	8.3	0.158	8.15	0.0094	780	8.24	0.158	8.15
PCB005	ug/kg	11	11	100	0.000209 T	0.52	0.0529	0.00129	0.033	0.000209 T	0.52	0.0529	0.00129	0.033
PCB006	ug/kg	144	130	90.3	0.00307 T	138	1.68	0.0442	2.64	0.00307 T	138	1.52	0.0363	2.07
PCB007 & 009	ug/kg	133	87	65.4	0.00505	67	1.1	0.0401	0.977	0.00248 U	67	0.725	0.0134	0.844
PCB007	ug/kg	11	10	90.9	0.000963	1.04	0.122	0.00258	0.0756	0.000696 UT	1.04	0.111	0.00258	0.0756
PCB008	ug/kg	89	29	32.6	0.0128	22.5	1.85	0.658 T	3.69 P	0.0128	22.5	0.727	0.185 UP	1.36 P
PCB009	ug/kg	11	11	100	0.000885 T	1.83	0.186	0.004	0.123	0.000885 T	1.83	0.186	0.004	0.123
PCB010	ug/kg	11	11	100	0.000351 T	0.474	0.0576	0.0142	0.0397	0.000351 T	0.474	0.0576	0.0142	0.0397
PCB011	ug/kg	144	135	93.8	0.0119	3.36	0.201	0.137	0.463	0.0119	3.36	0.189	0.124 T	0.462
PCB012 & 013	ug/kg	144	113	78.5	0.00186 JT	29.8	0.507	0.0312	0.869	0.00186 JT	29.8	0.399	0.0204	0.647
PCB014	ug/kg	144	5	3.47	0.000198	0.00544	0.00131	0.000284 T	0.000393 T	0.000161 U	0.242 U	0.00518	0.002505 U	0.0125 UT
PCB015	ug/kg	144	143	99.3	0.00864	352	3.92	0.15	4.68	0.00864	352	3.9	0.148 T	4.68
PCB016 & 032	ug/kg	133	132	99.2	0.0143	1100	11.4	0.226	8.45	0.00253 UT	1100	11.3	0.226	8.45
PCB016	ug/kg	11	11	100	0.0113 T	17.1	1.95	0.0547	1.76	0.0113 T	17.1	1.95	0.0547	1.76
PCB017	ug/kg	144	143	99.3	0.00833	744	7.38	0.141	5.78	0.00253 UT	744	7.33	0.14 T	5.78
PCB018 & 030	ug/kg	11	11	100	0.0255 JT	35.5 J	4.19	0.139 J	4.06 J	0.0255 JT	35.5 J	4.19	0.139 J	4.06 J
PCB018	ug/kg	211	143	67.8	0.0195	1920	18.6	0.333	12.3	0.0195	1920	12.7	0.19 U	7.18
PCB019	ug/kg	144	144	100	0.00657	179	3.21	0.0716 T	2.24	0.00657	179	3.21	0.0716 T	2.24
PCB020 & 021 & 033	ug/kg	133	132	99.2	0.0153	933	10.1	0.229	8.13	0.00385 U	933	10	0.229	8.13
PCB020 & 028	ug/kg	11	11	100	0.0632 JT	38.2 J	6.67	0.559 J	13.7 J	0.0632 JT	38.2 J	6.67	0.559 J	13.7 J
PCB021 & 033	ug/kg	11	11	100	0.0255 JT	24.9 J	2.94	0.105 J	3.87 J	0.0255 JT	24.9 J	2.94	0.105 J	3.87 J
PCB022	ug/kg	144	144	100	0.00981	540	5.76	0.158	5.3	0.00981	540	5.76	0.158	5.3
PCB023	ug/kg	144	39	27.1	0.000161	1.46	0.0552	0.00539	0.107	0.000144 UT	1.46	0.0165	0.00128 U	0.0183
PCB024 & 027	ug/kg	133	132	99.2	0.00232	123	1.47	0.0328	1.28	0.00232	123	1.45	0.0328	1.28
PCB024	ug/kg	11	9	81.8	0.000458 T	0.599	0.0837	0.015 T	0.0809	0.000144 UT	0.599	0.0685	0.00166	0.0809
PCB025	ug/kg	144	143	99.3	0.00471	119	1.36	0.0518	1.89	0.00471	119	1.35	0.0483	1.89
PCB026 & 029	ug/kg	11	11	100	0.00955 JT	8.32 J	1.13	0.0508 J	1.76 J	0.00955 JT	8.32 J	1.13	0.0508 J	1.76 J
PCB026	ug/kg	133	131	98.5	0.00545	257	2.9	0.087	2.8	0.00495 U	257	2.86	0.0849	2.8
PCB027	ug/kg	11	11	100	0.00341 T	2.88	0.423	0.121 T	0.571	0.00341 T	2.88	0.423	0.121 T	0.571
PCB028	ug/kg	211	175	82.9	0.035	1750	15.2	0.494	18.1	0.035	1750	12.6	0.409	14.3
PCB029	ug/kg	133	64	48.1	0.00193	8.8	0.191	0.00966	0.142	0.00124 U	8.8	0.093	0.002585 U	0.0996
PCB030	ug/kg	133	7	5.26	0.00334	0.347	0.0769	0.0152	0.123	0.00124 U	0.347	0.00684	0.001265 U	0.012 U
PCB031	ug/kg	144	144	100	0.0265	1550	16.5	0.444	14.2	0.0265	1550	16.5	0.444	14.2
PCB032	ug/kg	11	11	100	0.0116 T	10.5	1.63	0.117	2.68	0.0116 T	10.5	1.63	0.117	2.68
PCB034	ug/kg	144	92	63.9	0.000283 T	8.31	0.144	0.0117	0.259	0.000283 T	8.31	0.0925	0.00389	0.191
PCB035	ug/kg	144	135	93.8	0.00108 T	14.3	0.174	0.0118	0.267	0.00108 T	14.3	0.163	0.00999	0.239
PCB036	ug/kg	144	21	14.6	0.000412 T	0.286	0.0206	0.00505 JT	0.0244	0.000196 UT	0.286	0.00496	0.001265 U	0.0102
PCB037	ug/kg	144	144	100	0.0101	435	4.46	0.145 T	5.47	0.0101	435	4.46	0.145 T	5.47
PCB038	ug/kg	144	124	86.1	0.000531	8.79	0.185	0.00906	0.304	0.000201 U	8.79	0.16	0.00726 T	0.28
PCB039	ug/kg	144	66	45.8	0.000404 JT	1.5	0.0466	0.00799	0.103	0.000404 JT	1.5	0.0224	0.002585 U	0.0729
PCB040 & 041 & 071	ug/kg	11	11	100	0.0474 JT	19.1 J	5.87	0.284 J	17.8 J	0.0474 JT	19.1 J	5.87	0.284 J	17.8 J

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB040	ug/kg	133	133	100	0.00469	311	4.08	0.133	6.97	0.00469	311	4.08	0.133	6.97
PCB041 & 064 &071 &072	ug/kg	133	133	100	0.037	1410	21.3	0.734	35.6	0.037	1410	21.3	0.734	35.6
PCB042 & 059	ug/kg	133	133	100	0.0136	548	7.51	0.262	12.3	0.0136	548	7.51	0.262	12.3
PCB042	ug/kg	11	11	100	0.0226 T	8.97	2.87	0.149	8.49	0.0226 T	8.97	2.87	0.149	8.49
PCB043 & 049	ug/kg	133	133	100	0.0336	1160	18.8	0.872	38.1	0.0336	1160	18.8	0.872	38.1
PCB043	ug/kg	11	11	100	0.00351 T	1.72	0.458	0.0239	1.31	0.00351 T	1.72	0.458	0.0239	1.31
PCB044 & 047 & 065	ug/kg	11	11	100	0.0951 JT	45.9 J	13.4	2.32 J	34.8 J	0.0951 JT	45.9 J	13.4	2.32 J	34.8 J
PCB044	ug/kg	211	162	76.8	0.0401	1620	20.5	0.936	42.5	0.0401	1620	15.8	0.588	19.1
PCB045 & 051	ug/kg	11	11	100	0.018 JT	7.97 J	2.16	0.884 JT	5.44 J	0.018 JT	7.97 J	2.16	0.884 JT	5.44 J
PCB045	ug/kg	133	132	99.2	0.0067	324	4.19	0.113	6.48	0.00528 U	324	4.16	0.113	6.48
PCB046	ug/kg	144	143	99.3	0.00413	138	1.74	0.0504	2.79	0.00413	138	1.73	0.0503	2.79
PCB047	ug/kg	133	133	100	0.023	411	8.99	0.398	15.4	0.023	411	8.99	0.398	15.4
PCB048 & 075	ug/kg	133	133	100	0.00776	390	5.21	0.133	6.93	0.00776	390	5.21	0.133	6.93
PCB048	ug/kg	11	11	100	0.0147 T	8.57	1.85	0.0967	4.65	0.0147 T	8.57	1.85	0.0967	4.65
PCB049 & 069	ug/kg	11	11	100	0.0603 JT	28.7 J	7.97	0.71 J	20.3 J	0.0603 JT	28.7 J	7.97	0.71 J	20.3 J
PCB050 & 053	ug/kg	11	11	100	0.0165 JT	5.43 J	1.84	0.583 J	4.82 J	0.0165 JT	5.43 J	1.84	0.583 J	4.82 J
PCB050	ug/kg	133	97	72.9	0.00146 T	7.34	0.207	0.00831 T	0.3	0.00146 T	7.34	0.152	0.00479	0.124
PCB051	ug/kg	133	133	100	0.00546	114	2.49	0.0885 T	4.88	0.00546	114	2.49	0.0885 T	4.88
PCB052 & 069	ug/kg	133	133	100	0.0506	1490	26.1	1.42	69.2	0.0506	1490	26.1	1.42	69.2
PCB052	ug/kg	89	45	50.6	0.134 T	112 J	7	2.07	26	0.134 T	112 J	3.62	0.28 JP	10 P
PCB053	ug/kg	133	133	100	0.00877	283	4.85	0.173	8.38	0.00877	283	4.85	0.173	8.38
PCB054	ug/kg	144	135	93.8	0.00124 T	38.3	0.477	0.0132	0.436	0.00124 T	38.3	0.447	0.0122	0.388
PCB055	ug/kg	144	130	90.3	0.00138 T	19.6	0.296	0.0166	0.636	0.000496 U	19.6	0.267	0.0132	0.467
PCB056 & 060	ug/kg	133	133	100	0.0182	902	12.7	0.391	23.7	0.0182	902	12.7	0.391	23.7
PCB056	ug/kg	11	11	100	0.0308 T	16.7	4.13	0.337	12.3	0.0308 T	16.7	4.13	0.337	12.3
PCB057	ug/kg	144	104	72.2	0.00128	7.08	0.14	0.00992	0.273	0.000717 UT	7.08	0.102	0.0045	0.162
PCB058	ug/kg	144	95	66	0.00099	2.86	0.074	0.00858	0.2	0.000765 U	2.86	0.0495	0.00403	0.136
PCB059 & 062 & 075	ug/kg	11	11	100	0.00884 JT	3.26 J	0.909	0.115 J	2.67 J	0.00884 JT	3.26 J	0.909	0.115 J	2.67 J
PCB060	ug/kg	11	11	100	0.0133 T	8.38	2.06	0.172	6.42	0.0133 T	8.38	2.06	0.172	6.42
PCB061 & 070 & 074 & 076	ug/kg	11	11	100	0.152 JT	76.9 J	18.7	2.2 J	55.5 J	0.152 JT	76.9 J	18.7	2.2 J	55.5 J
PCB061 & 070	ug/kg	133	133	100	0.0326	1530	22.2	0.978	40	0.0326	1530	22.2	0.978	40
PCB062	ug/kg	133	12	9.02	0.00727	0.677	0.101	0.0115	0.202	0.00125 UT	0.677	0.0113	0.001265 U	0.01335 U
PCB063	ug/kg	144	142	98.6	0.00172	50.9	0.684	0.0333	1.2	0.00172	50.9	0.675	0.0322	1.2
PCB064	ug/kg	11	11	100	0.0407 T	16.5	5.16	0.343	13.7	0.0407 T	16.5	5.16	0.343	13.7
PCB065	ug/kg	133	14	10.5	0.0038	1.81	0.188	0.0144	0.357	0.00125 UT	1.81	0.0219	0.001265 U	0.02395 U
PCB066 & 076	ug/kg	133	133	100	0.0271	1220	17.4	0.745	32.9	0.0271	1220	17.4	0.745	32.9
PCB066	ug/kg	89	61	68.5	0.0788 T	39 J	3.54	0.93 P	16	0.0788 T	39 J	2.46	0.6	10.1
PCB067	ug/kg	144	140	97.2	0.0017	51.1	0.587	0.0208	0.845	0.0017	51.1	0.571	0.02	0.82
PCB068	ug/kg	144	139	96.5	0.000778 T	5.12	0.129	0.0126	0.46	0.000778 T	5.12	0.125	0.0123	0.458
PCB072	ug/kg	11	11	100	0.00112 T	0.43	0.0826	0.0233 T	0.162	0.00112 T	0.43	0.0826	0.0233 T	0.162
PCB073	ug/kg	144	60	41.7	0.00229	33.3	0.928	0.0361	2.62	0.000598 U	33.3	0.388	0.00319	0.55
PCB074	ug/kg	133	133	100	0.0141	672	9.29	0.339	18.1	0.0141	672	9.29	0.339	18.1
PCB077	ug/kg	155	155	100	0.00185	99.9	1.31	0.0713	3.06	0.00185	99.9	1.31	0.0713	3.06
PCB078	ug/kg	144	16	11.1	0.00291	0.252	0.035	0.0115	0.0998	0.000177 UT	0.252	0.00656	0.001265 U	0.0233
PCB079	ug/kg	144	140	97.2	0.00233 T	7.49	0.21	0.0191	0.799	0.00168 U	7.49	0.204	0.0186	0.693
PCB080	ug/kg	144	1	0.694	0.0128	0.0128	0.0128	0.0128	0.0128	0.000521 UT	0.121 U	0.00303	0.00126 U	0.00635 U
PCB081	ug/kg	155	154	99.4	0.000245 J	3.83	0.0635	0.00404	0.215	0.000245 J	3.83	0.0631	0.00404	0.215
PCB082	ug/kg	144	144	100	0.00799	125	2.6	0.201	8.07	0.00799	125	2.6	0.201	8.07
PCB083 & 099	ug/kg	11	11	100	0.142 JT	130 J	15.9	2.56 JT	14.1 J	0.142 JT	130 J	15.9	2.56 JT	14.1 J
PCB083	ug/kg	133	18	13.5	0.00334	1.01	0.158	0.0525	0.603	0.00125 UT	1.01	0.0233	0.001265 U	0.0633
PCB084 & 092	ug/kg	133	133	100	0.0337	335	8.32	0.837	33.3	0.0337	335	8.32	0.837	33.3
PCB084	ug/kg	11	11	100	0.0717 T	68.6	8.09	0.927 T	6.85	0.0717 T	68.6	8.09	0.927 T	6.85
PCB085 & 116 & 117	ug/kg	11	11	100	0.0411 JT	29.2 J	4.14	0.605 J	6.17 J	0.0411 JT	29.2 J	4.14	0.605 J	6.17 J
PCB085 & 116	ug/kg	133	133	100	0.0119	158	3.25	0.259	10.8	0.0119	158	3.25	0.259	10.8
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg	11	11	100	0.167 JT	159 J	19.1	2.75 JT	17.3 J	0.167 JT	159 J	19.1	2.75 JT	17.3 J
PCB086	ug/kg	133	93	69.9	0.00231	10.6	0.275	0.0142	0.712	0.00165 U	10.6	0.193	0.00788	0.65
PCB087 & 117 & 125	ug/kg	133	133	100	0.0272	279	6.89	0.671	21.9	0.0272	279	6.89	0.671	21.9
PCB088 & 091	ug/kg	144	144	100	0.0145	130	3.44	0.312	13	0.0145	130	3.44	0.312	13
PCB089	ug/kg	144	140	97.2	0.00236 T	23	0.373	0.0216	1.16	0.00168 U	23	0.362	0.0204	1.14
PCB090 & 101 & 113	ug/kg	11	11	100	0.312 JT	258 J	29.4	5.54 J	17.8 J	0.312 JT	258 J	29.4	5.54 J	17.8 J
PCB090 & 101	ug/kg	133	133	100	0.0795	713	18.5	1.94	75.3	0.0795	713	18.5	1.94	75.3
PCB092	ug/kg	11	11	100	0.0589 T	43.9	5.1	1.02 T	3.52	0.0589 T	43.9	5.1	1.02 T	3.52
PCB093 & 095 & 098 & 100 & 102	ug/kg	11	11	100	0.305 JT	235 J	26.6	3.77 J	16.6 J	0.305 JT	235 J	26.6	3.77 J	16.6 J
PCB093	ug/kg	133	1	0.752	0.0131	0.0131	0.0131	0.0131	0.0131	0.00125 UT	0.121 U	0.00315	0.001265 UT	0.00635 U
PCB094	ug/kg	144	141	97.9	0.00152 T	21.9	0.333	0.0174	0.632	0.00152 T	21.9	0.327	0.0161	0.632
PCB095 & 098 & 102	ug/kg	133	133	100	0.0752	629	15.8	1.57	64	0.0752	629	15.8	1.57	64
PCB096	ug/kg	144	135	93.8	0.00196 T	14.1	0.398	0.023	1.11	0.00196 T	14.1	0.374	0.0196	1.03
PCB097	ug/kg	133	133	100	0.0193	240	5.61	0.513 T	14.7	0.0193	240	5.61	0.513 T	14.7

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB099	ug/kg	133	133	100	0.0325	324	8.51	0.788	34.2	0.0325	324	8.51	0.788	34.2
PCB100	ug/kg	133	131	98.5	0.00294	44	0.563	0.0267 T	0.877	0.00294	44	0.554	0.0267	0.877
PCB101	ug/kg	78	34	43.6	0.26 JP	8.48	1.66	1.04	4.64 P	0.18 UT	8.48	0.802	0.175 U	3.51
PCB103	ug/kg	144	141	97.9	0.00327 T	18.4	0.371	0.0382 T	1.09	0.00248 U	18.4	0.363	0.0373	1.09
PCB104	ug/kg	144	51	35.4	0.000178 T	4.78	0.13	0.00635	0.0893	0.000178 T	4.78	0.0477	0.0025 U	0.0398
PCB105	ug/kg	233	160	68.7	0.00784	220	5.22	0.491	21.4	0.00784	220	3.61	0.22 JP	14.2
PCB106 & 118	ug/kg	144	144	100	0.0169	529	12.7	1.41	45.4	0.0169	529	12.7	1.41	45.4
PCB106	ug/kg	11	2	18.2	0.0013 T	0.0622	0.0318	0.0013 T	0.0013 T	0.000351 U	0.0622	0.00685	0.000329 UT	0.00785 U
PCB107 & 109	ug/kg	133	132	99.2	0.00719	40.8	1.05	0.12	3.62	0.00528 U	40.8	1.05	0.12	3.62
PCB107 & 124	ug/kg	11	11	100	0.00893 JT	7.11 J	0.884	0.153 JT	0.91 J	0.00893 JT	7.11 J	0.884	0.153 JT	0.91 J
PCB108 & 112	ug/kg	133	132	99.2	0.00474	39.4	1.08	0.0859	5.14	0.00474	39.4	1.07	0.0859	5.14
PCB109	ug/kg	11	11	100	0.014 T	8.92	1.23	0.283 T	1.59	0.014 T	8.92	1.23	0.283 T	1.59
PCB110 & 115	ug/kg	11	11	100	0.378 JT	302 J	34.4	5.17 JT	24.8 J	0.378 JT	302 J	34.4	5.17 JT	24.8 J
PCB110	ug/kg	133	133	100	0.0857	718	18.9	2.12	56.2	0.0857	718	18.9	2.12	56.2
PCB111 & 115	ug/kg	133	131	98.5	0.00359	14.7	0.379	0.0346	1.56	0.00168 U	14.7	0.373	0.0337	1.56
PCB111	ug/kg	11	6	54.5	0.00167 T	0.0156	0.00718	0.00546 T	0.0108 J	0.000329 UT	0.0156	0.00414	0.00167 T	0.0108 J
PCB112	ug/kg	11	1	9.09	0.0347 T	0.0347 T	0.0347	0.0347 T	0.0347 T	0.000218 UT	0.0347 T	0.0043	0.000284 U	0.00555 U
PCB113	ug/kg	133	94	70.7	0.00165 J	5.18	0.116	0.0116	0.319	0.00165 U	5.18	0.0828	0.00691	0.203
PCB114	ug/kg	155	154	99.4	0.000444	16.9	0.364	0.0293	1.13	0.000444	16.9	0.362	0.0293	1.13
PCB118	ug/kg	89	37	41.6	0.208 T	170 J	7.06	0.96 P	15.2	0.13 UT	170 J	2.99	0.115 U	4.47
PCB119	ug/kg	133	132	99.2	0.00599	15.5	0.523	0.0558	1.9	0.00528 U	15.5	0.52	0.0558	1.9
PCB120	ug/kg	144	106	73.6	0.000973 T	1.77	0.0545	0.0101 T	0.185	0.000973 T	1.77	0.0407	0.0062 U	0.156
PCB121	ug/kg	144	18	12.5	0.000759	0.869	0.0767	0.00756	0.38	0.000415 UT	0.869	0.0122	0.001275 U	0.012
PCB122	ug/kg	144	137	95.1	0.00248	8.27	0.216	0.02	0.768	0.00168 U	8.27	0.205	0.0179	0.736
PCB123	ug/kg	155	154	99.4	0.000381	12.5	0.275	0.0227	1.15	0.000381	12.5	0.274	0.023	1.15
PCB124	ug/kg	133	132	99.2	0.00304	20.6	0.552	0.0587	1.46	0.00304	20.6	0.548	0.0587	1.46
PCB126	ug/kg	155	153	98.7	0.000237	2.02	0.0657	0.0105	0.285	0.000237	2.02	0.0649	0.0104	0.285
PCB127	ug/kg	144	10	6.94	0.000581 JT	0.632	0.0918	0.00875 T	0.219	0.000581 JT	0.632	0.00926	0.001265 U	0.01245 U
PCB128 & 162	ug/kg	133	133	100	0.0131	59.7	2.36	0.335	8.19	0.0131	59.7	2.36	0.335	8.19
PCB128 & 166	ug/kg	11	11	100	0.0831 JT	42 J	4.8	1.02 J	2.59 J	0.0831 JT	42 J	4.8	1.02 J	2.59 J
PCB128	ug/kg	78	43	55.1	0.2 JP	6.68 P	0.676	0.41 J	1.02	0.11 UT	6.68 P	0.41	0.23 JP	0.99 P
PCB129 & 138 & 160 & 163	ug/kg	11	11	100	0.688 JT	342 J	37.8	7.91 J	15.9 J	0.688 JT	342 J	37.8	7.91 J	15.9 J
PCB129	ug/kg	133	131	98.5	0.00438	18.9	0.803	0.0957	2.99	0.00438	18.9	0.791	0.0938	2.99
PCB130	ug/kg	144	143	99.3	0.0068	28.9	1.15	0.152	3.79	0.0068	28.9	1.14	0.15	3.79
PCB131	ug/kg	144	34	23.6	0.00267	4.28	0.256	0.0272	0.239	0.00125 UT	4.28	0.0625	0.00238 U	0.0879
PCB132 & 161	ug/kg	133	133	100	0.0273	169	5.26	0.762	17.6	0.0273	169	5.26	0.762	17.6
PCB132	ug/kg	11	11	100	0.23 T	85.6	9.81	2.45	4.93	0.23 T	85.6	9.81	2.45	4.93
PCB133 & 142	ug/kg	133	132	99.2	0.00527	13.7	0.566	0.0839	1.72	0.00527	13.7	0.562	0.0839	1.72
PCB133	ug/kg	11	11	100	0.0106 T	2.57	0.336	0.138	0.25 T	0.0106 T	2.57	0.336	0.138	0.25 T
PCB134 & 143	ug/kg	144	144	100	0.00629	29.6	1.12	0.153	3.53	0.00629	29.6	1.12	0.153	3.53
PCB135 & 151 & 154	ug/kg	11	10	90.9	0.31 JT	60.1 J	8.3	2.32 J	6 JT	0.0101 U	60.1 J	7.55	2.32 J	6 JT
PCB135	ug/kg	133	133	100	0.0186	88.9	2.83	0.399 T	9.53	0.0186	88.9	2.83	0.399 T	9.53
PCB136	ug/kg	144	144	100	0.0167	108	3.06	0.41	10.5	0.0167	108	3.06	0.41	10.5
PCB137	ug/kg	144	142	98.6	0.00448	19.6	0.839	0.101	3.09	0.00448	19.6	0.828	0.1	3.09
PCB138 & 163 & 164	ug/kg	133	133	100	0.114	598	19.5	2.56	72.2	0.114	598	19.5	2.56	72.2
PCB138	ug/kg	78	51	65.4	0.17 JP	31.9 P	3.34	1.33 P	10.1	0.12 UT	31.9 P	2.21	0.53 J	7.88 P
PCB139 & 140	ug/kg	11	11	100	0.00838 JT	5.04 J	0.633	0.146 J	0.923 J	0.00838 JT	5.04 J	0.633	0.146 J	0.923 J
PCB139 & 149	ug/kg	133	133	100	0.103	577	17.2	2.35	57.8	0.103	577	17.2	2.35	57.8
PCB140	ug/kg	133	127	95.5	0.00355	3.38	0.126	0.0209	0.53	0.00168 U	3.38	0.12	0.0196	0.53
PCB141	ug/kg	144	144	100	0.0227	154	4.39	0.582	12.4	0.0227	154	4.39	0.582	12.4
PCB142	ug/kg	11	2	18.2	0.000554	0.928	0.464	0.000554	0.000554	0.000368 UT	0.928	0.0854	0.000424 UT	0.00425 U
PCB144	ug/kg	144	144	100	0.00687	37.4	1.07	0.138	3.89	0.00687	37.4	1.07	0.138	3.89
PCB145	ug/kg	144	40	27.8	0.00113	0.197	0.0358	0.00809	0.172	0.000354 UT	0.197	0.0112	0.00128 U	0.0528
PCB146 & 165	ug/kg	133	133	100	0.0175	88.5	2.94	0.469 T	9.45	0.0175	88.5	2.94	0.469 T	9.45
PCB146	ug/kg	11	11	100	0.132 T	25.1	3.27	1.26	2.49 T	0.132 T	25.1	3.27	1.26	2.49 T
PCB147 & 149	ug/kg	11	11	100	0.646 JT	212 J	24.6	5.55 J	12.6 JT	0.646 JT	212 J	24.6	5.55 J	12.6 JT
PCB147	ug/kg	133	131	98.5	0.00606	35.4	0.722	0.068	2.62	0.00528 U	35.4	0.712	0.0647	2.62
PCB148	ug/kg	144	129	89.6	0.00116 T	2.4	0.0624	0.00995	0.2	0.00116 T	2.4	0.0562	0.00868	0.192
PCB150	ug/kg	144	125	86.8	0.000872 T	3.56	0.0739	0.00979 J	0.246	0.000872 T	3.56	0.0645	0.00844 J	0.244
PCB151	ug/kg	133	133	100	0.0318	219	5.59	0.638	14.3	0.0318	219	5.59	0.638	14.3
PCB152	ug/kg	144	90	62.5	0.000545 T	4.34	0.0952	0.00747 J	0.279	0.000545 T	4.34	0.0602	0.00408	0.154
PCB153 & 168	ug/kg	11	11	100	0.644 JT	208 J	24.8	6.88 J	14.5 JT	0.644 JT	208 J	24.8	6.88 J	14.5 JT
PCB153	ug/kg	211	183	86.7	0.103	647	14.9	2.24 P	39	0.103	647	12.9	1.69 T	35.4
PCB154	ug/kg	133	132	99.2	0.00514	14.7	0.378	0.0501	1.27	0.00514	14.7	0.375	0.0501	1.27
PCB155	ug/kg	143	20	14	0.000263 J	0.495	0.0399	0.00545	0.176	0.000122 UT	0.495	0.00809	0.001265 U	0.01245 U
PCB156	ug/kg	155	155	100	0.00221	44.2	1.58	0.209	5.29	0.00221	44.2	1.58	0.209	5.29
PCB157	ug/kg	155	155	100	0.000708	7.77	0.316	0.0452	1.23	0.000708	7.77	0.316	0.0452	1.23
PCB158 & 160	ug/kg	133	133	100	0.0119	60.8	2.07	0.251	7.31	0.0119	60.8	2.07	0.251	7.31

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB158	ug/kg	11	11	100	0.066 T	25.6	3.03	0.752	1.66	0.066 T	25.6	3.03	0.752	1.66
PCB159	ug/kg	144	141	97.9	0.00231	10	0.255	0.0349	0.762	0.000591 U	10	0.25	0.0327	0.762
PCB161	ug/kg	11	0	0						0.000394 UT	0.018 U	0.00173	0.000307 U	0.0051 U
PCB162	ug/kg	11	10	90.9	0.00137 JT	0.789	0.102	0.0241	0.0759	0.00137 JT	0.789	0.0928	0.0241	0.0759
PCB164	ug/kg	11	11	100	0.0538 T	14.7	1.8	0.579	1.13	0.0538 T	14.7	1.8	0.579	1.13
PCB165	ug/kg	11	7	63.6	0.00165	0.0272	0.00724	0.00251 T	0.0113 T	0.000524 UT	0.0272	0.00582	0.00251 T	0.0113 T
PCB166	ug/kg	133	100	75.2	0.00194	3.37	0.104	0.0127	0.469	0.00165 U	3.37	0.079	0.00735	0.275
PCB167	ug/kg	155	155	100	0.00115	16.3	0.654	0.0913	2.02	0.00115	16.3	0.654	0.0913	2.02
PCB168	ug/kg	133	90	67.7	0.0017	1.34	0.0571	0.00787 T	0.146	0.00165 U	1.34	0.0392	0.00482 T	0.126
PCB169	ug/kg	155	39	25.2	0.000151	0.0951	0.00808	0.00125 J	0.0152	0.0000981 U	0.0951	0.00265	0.00057 U	0.0103 J
PCB170	ug/kg	222	182	82	0.00143	306	5.34	0.71	13.7	0.00143	306	4.39	0.455	9.64
PCB171 & 173	ug/kg	11	11	100	0.0795 JT	9.23 J	1.62	0.674 J	1.99 J	0.0795 JT	9.23 J	1.62	0.674 J	1.99 J
PCB171	ug/kg	133	133	100	0.00842	76.9	1.81	0.209	4.81	0.00842	76.9	1.81	0.209	4.81
PCB172	ug/kg	144	144	100	0.00588	48.6	1.1	0.129	2.78	0.00588	48.6	1.1	0.129	2.78
PCB173	ug/kg	133	127	95.5	0.00269	6.92	0.184	0.02	0.472	0.00168 U	6.92	0.175	0.0186	0.472
PCB174	ug/kg	144	144	100	0.032	312	7.24	0.852	17.3	0.032	312	7.24	0.852	17.3
PCB175	ug/kg	144	140	97.2	0.00243	15	0.335	0.0408	0.849	0.00243	15	0.325	0.0388 T	0.829
PCB176	ug/kg	144	144	100	0.0054	43.8	0.961	0.109 T	2.53	0.0054	43.8	0.961	0.109 T	2.53
PCB177	ug/kg	144	144	100	0.0203	175	4.08	0.497	10.6	0.0203	175	4.08	0.497	10.6
PCB178	ug/kg	144	144	100	0.00893	69.6	1.48	0.167 T	3.73	0.00893	69.6	1.48	0.167 T	3.73
PCB179	ug/kg	144	144	100	0.0184	155	3.41	0.374	8.72	0.0184	155	3.41	0.374	8.72
PCB180 & 193	ug/kg	11	11	100	0.539 JT	50.3 J	9.46	4.77 JT	13.6 JT	0.539 JT	50.3 J	9.46	4.77 JT	13.6 JT
PCB180	ug/kg	211	184	87.2	0.0744	784	12.8	1.52	27.4	0.0744	784	11.1	1.2	26.7
PCB181	ug/kg	144	98	68.1	0.00153 T	17.3	0.362	0.0207	0.655	0.00125 UT	17.3	0.247	0.00839	0.521
PCB182 & 187	ug/kg	133	133	100	0.0487	428	9.57	1.01	23.6	0.0487	428	9.57	1.01	23.6
PCB182	ug/kg	11	11	100	0.00127 T	0.187	0.0351	0.0135	0.0886	0.00127 T	0.187	0.0351	0.0135	0.0886
PCB183 & 185	ug/kg	11	11	100	0.188 JT	16.2 J	3.28	1.31 JT	4.27 JT	0.188 JT	16.2 J	3.28	1.31 JT	4.27 JT
PCB183	ug/kg	133	133	100	0.022	217	4.52	0.473	12	0.022	217	4.52	0.473	12
PCB184	ug/kg	144	39	27.1	0.000747 T	0.234	0.0224	0.00597	0.131	0.00032 UT	0.234	0.00807	0.001695 U	0.0212
PCB185	ug/kg	133	132	99.2	0.00623	34.7	0.889	0.0925	2.21	0.00528 U	34.7	0.883	0.0925	2.21
PCB186	ug/kg	144	16	11.1	0.000326 T	0.597	0.0703	0.0128	0.29	0.000304 U	0.597	0.0102	0.001265 U	0.0196 J
PCB187	ug/kg	89	54	60.7	0.2 JP	22.9	2.18	1.32 P	4.61	0.13 UT	22.9	1.36	0.49 P	4.38
PCB188	ug/kg	144	57	39.6	0.000474	0.616	0.033	0.00821	0.0787	0.000322 UT	0.616	0.0148	0.00254 U	0.0457
PCB189	ug/kg	155	153	98.7	0.000371	11.4	0.239	0.0314	0.714	0.000371	11.4	0.236	0.0306 JT	0.714
PCB190	ug/kg	144	144	100	0.00672	62.9	1.35	0.153	3.77	0.00672	62.9	1.35	0.153	3.77
PCB191	ug/kg	144	142	98.6	0.00181	12	0.265	0.0304	0.723	0.00181	12	0.261	0.0296	0.723
PCB192	ug/kg	144	5	3.47	0.0121	0.127	0.0555	0.0476	0.0604	0.000245 UT	0.127	0.00462	0.00126 U	0.0121
PCB193	ug/kg	133	132	99.2	0.00586	35.7	0.783	0.0805	1.83	0.00528 U	35.7	0.777	0.0805	1.83
PCB194	ug/kg	144	144	100	0.0164	167	3.69	0.435	8.12	0.0164	167	3.69	0.435	8.12
PCB195	ug/kg	144	144	100	0.00631	69.4	1.67	0.185	4.21	0.00631	69.4	1.67	0.185	4.21
PCB196 & 203	ug/kg	133	133	100	0.0221	204	4.86	0.52	11.7	0.0221	204	4.86	0.52	11.7
PCB196	ug/kg	11	11	100	0.0645 T	3.37	1.09	0.738	2.21	0.0645 T	3.37	1.09	0.738	2.21
PCB197 & 200	ug/kg	11	11	100	0.0243 JT	2.43 J	0.504	0.219 J	1.1 J	0.0243 JT	2.43 J	0.504	0.219 J	1.1 J
PCB197	ug/kg	133	127	95.5	0.00277	6.3	0.165	0.017	0.412	0.00168 U	6.3	0.158	0.0165 T	0.412
PCB198 & 199	ug/kg	11	11	100	0.129 JT	7.19 J	2.14	1.32 J	3.39 J	0.129 JT	7.19 J	2.14	1.32 J	3.39 J
PCB198	ug/kg	133	130	97.7	0.00272	9.1	0.257	0.0299	0.565	0.00168 U	9.1	0.251	0.0287	0.565
PCB199	ug/kg	133	133	100	0.0203	166	4.3	0.494	8.49	0.0203	166	4.3	0.494	8.49
PCB200	ug/kg	133	131	98.5	0.00382	21.1	0.568	0.0602	1.31	0.00382	21.1	0.56	0.059	1.31
PCB201	ug/kg	144	143	99.3	0.00374	19.6	0.53	0.0703	1.26	0.00374	19.6	0.527	0.0673	1.26
PCB202	ug/kg	144	143	99.3	0.00641	30.4	0.786	0.116 T	1.83	0.00528 U	30.4	0.781	0.116	1.83
PCB203	ug/kg	11	11	100	0.0813 T	5.45	1.65	0.87	4.57	0.0813 T	5.45	1.65	0.87	4.57
PCB204	ug/kg	144	17	11.8	0.000318 T	0.961	0.0956	0.00569	0.364	0.000276 U	0.961	0.0139	0.001265 U	0.02395 U
PCB205	ug/kg	144	138	95.8	0.00276	7.52	0.183	0.0213	0.57	0.00168 U	7.52	0.175	0.0193	0.469
PCB206	ug/kg	144	144	100	0.0111	165	2.66	0.264 T	9.04	0.0111	165	2.66	0.264 T	9.04
PCB207	ug/kg	144	140	97.2	0.00345	13.2	0.342	0.0324	0.937	0.00168 U	13.2	0.332	0.0291	0.759
PCB208	ug/kg	144	143	99.3	0.00403	59.4	0.811	0.074	2.92	0.00403	59.4	0.805	0.0733	2.92
PCB209	ug/kg	144	144	100	0.00991	327	3.27	0.169	3.82	0.00991	327	3.27	0.169	3.82
Total PCB Congeners	ug/kg	233	218	93.6	0.0324 T	35400	411	29.9 JT	972	0.0324 T	35400	385	26.7	849
PCB Homologs														
Dichlorobiphenyl homolog	ug/kg	144	143	99.3	0.0439	1640	18	0.639	26.6	0.0106 U	1640	17.9	0.609	26.6
Heptachlorobiphenyl homolog	ug/kg	144	144	100	0.283	2800	60.8	6.97	158	0.283	2800	60.8	6.97	158
Hexachlorobiphenyl homolog	ug/kg	144	144	100	0.513	2990	97.5	13.9	349	0.513	2990	97.5	13.9	349
Monochlorobiphenyl homolog	ug/kg	144	141	97.9	0.00542 T	362	2.98	0.0555	1.47 T	0.00168 U	362	2.92	0.0549	1.47 T
Nonachlorobiphenyl homolog	ug/kg	144	144	100	0.0111	238	3.8	0.382 T	12.9	0.0111	238	3.8	0.382 T	12.9
Octachlorobiphenyl homolog	ug/kg	144	144	100	0.0651	694	16.6	2.09	39.6	0.0651	694	16.6	2.09	39.6
Pentachlorobiphenyl homolog	ug/kg	144	144	100	0.464	4640	122	12.2 T	520	0.464	4640	122	12.2 T	520
Tetrachlorobiphenyl homolog	ug/kg	144	144	100	0.324	12800	189	8.08	362	0.324	12800	189	8.08	362
Trichlorobiphenyl homolog	ug/kg	144	144	100	0.157	9690	101	2.42	94.7	0.157	9690	101	2.42	94.7

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
Dioxins/Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	151	141	93.4	0.163 J	24800	205	9.077	130	0.061 U	24800	191	7.537	130
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	151	147	97.4	0.863 JT	2410.3	102	33.855	412.962	0.734 U	2410.3	99.1	31.336 J	412.962
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	151	118	78.1	0.034 J	8240	76.9	0.982 J	34.5 NJ	0.01 U	8240	60.1	0.537 J	25.244
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	151	136	90.1	0.043 J	66000	517	1.433	174.865	0.022 U	66000	469	1.322 J	174.865
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	151	92	60.9	0.026 J	13	1.08	0.225 JT	5.72 NJ	0.007 U	13	0.718	0.154 J	3.98 NJ
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	151	135	89.4	0.021 J	17800	142	0.662 J	48.45	0.017 U	17800	127	0.604 J	48.45
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	151	139	92.1	0.074 J	83	4.75	1.516 J	23.3 NJ	0.007 U	83	4.41	1.245	18.453
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	151	50	33.1	0.019 J	906	20.1	0.426 J	7.45	0.006 U	906	6.69	0.04 U	4.3 NJ
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	151	130	86.1	0.069 J	28	2.55	0.723 J	13.44	0.006 U	28	2.21	0.573 J	13.2 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	151	115	76.2	0.033 J	29400	276	0.676 J	139.503	0.006 U	29400	212	0.44 J	138.14
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	151	90	59.6	0.02 JT	20.536	1.3	0.204 J	9.96 NJT	0.008 U	20.536	0.809	0.104 J	2.98 NJ
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	151	127	84.1	0.043 J	2020	19.6	0.589 J	29.994	0.007 U	2020	16.5	0.417 J	20.4
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	151	121	80.1	0.026 J	9360	87.6	0.747 J	54.222	0.006 U	9360	70.3	0.454 J	47.694
2,3,7,8-Tetrachlorodibenzofuran	pg/g	151	106	70.2	0.058 J	14000	149	1.247	93.207	0.011 U	14000	104	0.491 J	60.064
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	151	37	24.5	0.04 J	111.091	4.09	0.354	7.227	0.006 U	111.091	1.02	0.024 U	1.291
Total PCDD/F	pg/g	150	150	100	2.48 T	264000 T	3240	506 T	6420 JT	2.48 T	264000 T	3240	506 T	6420 JT
2,3,7,8-TCDD TEQ														
Dioxin/furan TCDD toxicity equivalent	pg/g	151	151	100	0.00803 JT	16600 JT	124	1.94 JT	75.8 JT	0.00803 JT	16600 JT	124	1.94 JT	75.8 JT
Dioxin-like PCB congener TCDD toxicity equivalen	pg/g	155	155	100	0.0133 JT	324 T	9.71	1.45 T	41.7 T	0.0133 JT	324 T	9.71	1.45 T	41.7 T
Total TCDD toxicity equivalent	pg/g	66	66	100	0.161 JT	16600 JT	274	5.02 JT	103 JT	0.161 JT	16600 JT	274	5.02 JT	103 JT
Dioxin/Furan Homologs														
Heptachlorodibenzofuran homolog	pg/g	150	149	99.3	0.337	39100	341	25.618	371.902	0.19 UT	39100	339	24.034	371.902
Heptachlorodibenzo-p-dioxin homolog	pg/g	150	150	100	1.324	7095.84	242	74.136	984 NJ	1.324	7095.84	242	74.136	984 NJ
Hexachlorodibenzofuran homolog	pg/g	150	149	99.3	0.247	100000	773	14.4	633.542	0.095 UT	100000	768	14.078	633.542
Hexachlorodibenzo-p-dioxin homolog	pg/g	150	148	98.7	0.222	596.039	33.9	9.289	124 NJ	0.02 U	596.039	33.4	8.891	124 NJ
Octachlorodibenzofuran	pg/g	151	140	92.7	0.579 J	20800	215	22.231	280 NJ	0.137 U	20800	201	19.894	267.667
Octachlorodibenzo-p-dioxin	pg/g	151	147	97.4	6.462 JT	19201.141 J	864	275.859	3670 NJ	5.93 U	19201.141 J	842	272.44	3670 NJ
Pentachlorodibenzofuran homolog	pg/g	150	148	98.7	0.087	64700	542	7.707	583	0.01 U	64700	535	7.399	583
Pentachlorodibenzo-p-dioxin homolog	pg/g	150	124	82.7	0.046 T	141 NJ	6.98	0.88	19.6 NJ	0.011 U	141 NJ	5.78	0.574	18.595
Tetrachlorodibenzofuran homolog	pg/g	150	143	95.3	0.077	35800	316	3.268	341.187	0.01 U	35800	301	2.731	341.187
Tetrachlorodibenzo-p-dioxin homolog	pg/g	149	128	85.9	0.017	416.466	11.6	0.651	40.4 NJT	0.006 U	416.466	9.95	0.57	37.607 T
Pesticides														
2,4'-DDD	ug/kg	849	588	69.3	0.0322 J	710	13.2	1.1 J	66	0.0272 U	710	9.6	1.04 NJ	34.6 NJ
2,4'-DDE	ug/kg	848	248	29.2	0.00495 J	1000	10.5	0.87	24.5 NJ	0.00495 J	1000	3.77	0.265	8.21 P
2,4'-DDT	ug/kg	849	456	53.7	0.0157 J	2000	22.2	0.65 J	39.6	0.0157 J	2000	12.4	0.43 U	18.4 NJT
4,4'-DDD	ug/kg	970	790	81.4	0.051 NJ	11000 *	55.7	2.74 J	150 J	0.041 U	11000 *	45.7	2.1	115 *
4,4'-DDE	ug/kg	967	774	80	0.088 NJ	2240 J	20.3	2.44 J	50 J*	0.0384 U	2240 J	17.1	2.2 J	47.1
4,4'-DDT	ug/kg	955	682	71.4	0.0613 J	81000 *	319	2.14 J	430	0.0478 U	81000 *	228	1.3	230
Aldrin	ug/kg	880	213	24.2	0.00333 J	691 J	6.03	0.574 NJ	11.4	0.00333 J	691 J	2.44	0.16 U	7.77 P
alpha-Endosulfan	ug/kg	917	50	5.45	0.0183 JT	21.1 NJ	1.48	0.282 J	4.95 P	0.0125 U	99 U	0.975	0.085 U	3.35 U
alpha-Hexachlorocyclohexane	ug/kg	897	194	21.6	0.00355 JT	10 J	0.556	0.248 J	2.15 NJ	0.00139 U	99 U	0.893	0.143 U	2.23 NJ
beta-Endosulfan	ug/kg	917	145	15.8	0.0303 J	235 NJ	2.53	0.352 JT	1.91 J	0.015 U	235 NJ	1.75	0.1305 U	3.85 U
beta-Hexachlorocyclohexane	ug/kg	917	414	45.1	0.00138 J	20.3 J	2.67	1.91 NJ	7.3 NJ	0.00112 U	99 U	2.18	0.7 U	7.99 NJ
Chlordane (cis & trans)	ug/kg	319	39	12.2	0.0201 JT	26	2.49	0.469 JT	10 T	0.0201 JT	150 U	6.11	2.165 UJ	24.5 UT
Chlordane (technical)	ug/kg	4	0	0						150 U	919 U	227	75 U	300 U
cis-Chlordane	ug/kg	903	345	38.2	0.00955 J	203 J	2.15	0.308 J	7.43 NJ	0.00955 J	203 J	1.71	0.216 J	5.58 NJ
cis-Nonachlor	ug/kg	809	244	30.2	0.00457 J	378 NJ	3.28	0.382 J	7.96 J	0.00457 J	378 NJ	1.65	0.195 U	3.67 U
delta-Hexachlorocyclohexane	ug/kg	914	140	15.3	0.0018 JT	5.33	0.559	0.334 NJ	2.2 J	0.00116 U	99 U	1	0.185 U	2.68 UJ
Dieldrin	ug/kg	920	176	19.1	0.00834 J	356 J	3.45	0.288 J	9.17	0.00834 J	356 J	2.31	0.195 U	5 U
Endosulfan sulfate	ug/kg	913	59	6.46	0.00837 J	240 T	5.56	0.177	6.91	0.00837 J	240 T	1.78	0.14 NJ	4.44 J
Endrin aldehyde	ug/kg	917	37	4.03	0.107 NJ	215	6.9	0.43 J	5.8	0.0368 U	215	1.65	0.109 UJ	3.35 U
Endrin ketone	ug/kg	903	152	16.8	0.00547 J	90.1 NJ	2.04	0.717 NJ	4.57 NJT	0.00208 UT	200 U	1.71	0.195 U	4.1 NJ
Endrin	ug/kg	666	69	10.4	0.00984 J	32 J	4.83	0.911 J	20.8 NJ	0.00984 J	200 U	2.38	0.195 U	10 UG
gamma-Hexachlorocyclohexane	ug/kg	925	160	17.3	0.0031 J	430	5.11	1.62 NJ	7.31 NJ	0.0031 J	430	1.8	0.25 U	5.95 NJ
Heptachlor epoxide	ug/kg	916	59	6.44	0.00161 JT	17 J	1.81	0.18 J	8.9	0.00161 JT	360 U	1.23	0.1 U	4.4 J
Heptachlor	ug/kg	925	51	5.51	0.00264 J	6	0.738	0.2 J	4.1 J	0.00141 U	99 U	0.94	0.095 U	3 U
Hexachlorocyclohexanes	ug/kg	9	0	0						10 U	40 U	11.7	5 U	20 U
Methoxychlor	ug/kg	917	109	11.9	0.048 J	33.6 NJ	4.16	1.77 NJ	19.2 NJ	0.0226 U	990 U	5.85	0.207 UJ	12.8 J
Mirex	ug/kg	717	28	3.91	0.095 J	50 NJ	4.11	0.41 J	5.7	0.0303 U	130 U	0.534	0.0395 U	1 U
Oxychlordane	ug/kg	809	79	9.77	0.00484 JT	24.4 NJ	2.95	1.25 J	10.7	0.00195 UT	130 U	0.806	0.0605 U	2.76 J
Total Chlordanes	ug/kg	810	551	68	0.0349 JT	669 JT	6.28	0.991 JT	18.1 JT	0.0349 JT	669 JT	4.88	0.913 JT	11.9 JT
Total Endosulfan	ug/kg	917	213	23.2	0.00837 JT	240 T	3.61	0.382 JT	7.79 JT	0.00837 JT	240 T	2.28	0.259 UT	6.53 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	850	756	88.9	0.051 JT	16200 JT	156	7.93 JT	382 JT	0.051 JT	16200 JT	139	7.13 JT	282 JT
Total of 2,4' and 4,4'-DDD	ug/kg	850	727	85.5	0.051 JT	3040 JT	41.1	3.71 JT	136 JT	0.041 UT	3040 JT	35.5	2.9 JT	112 JT
Total of 2,4' and 4,4'-DDE	ug/kg	848	707	83.4	0.088 JT	2530 JT	19.1	2.65 JT	55.6 JT	0.0384 UT	2530 JT	16.4	2.37 JT	38.8 JT
Total of 2,4' and 4,4'-DDT	ug/kg	849	656	77.3	0.077 JT	12500 JT	113	2.06 JT	193 JT	0.0441 UJT	12500 JT	87.7	1.5 UT	115 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	970	848	87.4	0.051 JT	84909 T	327	6.76 JT	524 JT	0.051 JT	84909 T	286	5.4 JT	414 JT

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Toxaphene	ug/kg	907	1	0.11	470	470	470	470	470	4.7 U	9900 U	81.7	9.5 U	150 U
trans-Chlordane	ug/kg	905	393	43.4	0.0105 J	445 NJ	2.62	0.379 J	5.5	0.0105 J	445 NJ	2.18	0.336 J	7.04 J
trans-Nonachlor	ug/kg	808	285	35.3	0.0103 J	226 NJ	2.41	0.303 J	8.64 P	0.0103 J	226 NJ	1.32	0.195 U	2.835 U
Herbicides														
2,4,5-T	ug/kg	216	1	0.463	15.8	15.8	15.8	15.8	15.8	0.11 U	190 U	2.13	0.75 UT	4.4 U
2,4-D	ug/kg	217	11	5.07	9	3250 J	326	28.5	93	0.0753 U	3250 J	18.2	0.6 U	10 U
2,4-DB	ug/kg	217	7	3.23	13	344 J	89.1	23	130	0.111 U	344 J	11.4	0.835 UT	43 U
Dalapon	ug/kg	216	0	0						0.0662 U	450 U	7.83	0.489 U	34 U
Dicamba	ug/kg	217	0	0						0.135 UT	16 UJ	1.28	1.495 U	2.11 U
Dichloroprop	ug/kg	217	1	0.461	9.4 NJ	9.4 NJ	9.4	9.4 NJ	9.4 NJ	0.12 U	130 UJ	2.21	0.89 U	4.95 U
Dinoseb	ug/kg	217	0	0						0.152 U	20 UJ	1.16	1.04 U	2.35 UJ
MCPA	ug/kg	217	2	0.922	4.14	356 J	180	4.14	4.14	0.16 U	67000 U	990	1.2 U	1650 U
MCPP	ug/kg	217	2	0.922	193 J	4200 NJ	2200	193 J	193 J	0.115 UT	91000 U	867	0.965 U	2050 U
Silvex	ug/kg	217	1	0.461	5.4 J	5.4 J	5.4	5.4 J	5.4 J	0.11 U	43 U	1.02	0.785 U	2.1 U
Polycyclic aromatic Hydrocarbons														
1,6,7-Trimethylnaphthalene	ug/kg	39	36	92.3	0.24 J	220	29.6	12	120	0.24 J	220	27.5	12	120
1-Methylnaphthalene	ug/kg	39	36	92.3	0.24 J	1500	61.4	11	63	0.24 J	1500	56.9	11	63
1-Methylphenanthrene	ug/kg	39	38	97.4	0.38 J	2300	116	26	190	0.38 J	2300	113	26	190
2,6-Dimethylnaphthalene	ug/kg	39	37	94.9	0.2 J	660	36.1	10	80	0.2 J	660	34.4	9	80
2-Methylnaphthalene	ug/kg	1197	911	76.1	0.37 J	53000	374	10	330	0.37 J	53000	298	9.5 U	314 J
Acenaphthene	ug/kg	1329	1073	80.7	0.21 J	430000	1710	23	2900	0.18 U	430000	1390	13.4 U	1700
Acenaphthylene	ug/kg	1329	972	73.1	0.34 J	54000	225	12	406 G	0.27 U	54000	181	9.9	280 J
Anthracene	ug/kg	1329	1134	85.3	0.35 J	390000	1450	31	2100	0.24 U	390000	1250	24	1600
Benzo(a)anthracene	ug/kg	1329	1261	94.9	0.5 J	320000	1980	87	5570	0.5 J	320000	1880	81	4800
Benzo(a)pyrene	ug/kg	1329	1257	94.6	0.86 J	340000	2370	109 J	6800	0.24 U	340000	2240	93	5900
Benzo(b)fluoranthene	ug/kg	1234	1189	96.4	0.87 J	300000	2020	110	6400	0.72 U	300000	1950	100	6000
Benzo(b+k)fluoranthene	ug/kg	584	529	90.6	3.7 J	141000 T	2850	196 T	11300 T	3.26 U	141000 T	2590	177 T	10200 T
Benzo(e)pyrene	ug/kg	72	72	100	1.6 J	36000	1200	190	3800	1.6 J	36000	1200	190	3800
Benzo(g,h,i)perylene	ug/kg	1329	1229	92.5	0.5 J	180000	1700	83	5400 G	0.5 J	180000	1580	71.1	4100
Benzo(j+k)fluoranthene	ug/kg	33	33	100	25	8273	464	102	850 T	25	8273	464	102	850 T
Benzo(k)fluoranthene	ug/kg	1201	1141	95	0.77 J	100000	1230	64	4100	0.36 U	100000	1170	55	3800
Benzofluoranthenes	ug/kg	33	33	100	53	15730	903	206	1720 T	53	15730	903	206	1720 T
C1-Chrysene	ug/kg	33	33	100	22	3718	270	96	574 T	22	3718	270	96	574 T
C1-Dibenzothiophene	ug/kg	33	33	100	5	2847	140	23	296	5	2847	140	23	296
C1-Fluoranthene/pyrene	ug/kg	33	33	100	36	10205	582	154	1387	36	10205	582	154	1387
C1-Fluorene	ug/kg	33	33	100	3	2624	124	23	322	3	2624	124	23	322
C1-Naphthalene	ug/kg	33	33	100	4	3478	135	18	135	4	3478	135	18	135
C1-Phenanthrene/anthracene	ug/kg	33	33	100	20	12246	580	116	847	20	12246	580	116	847
C2-Chrysene	ug/kg	33	33	100	16	1269	129	58	289 T	16	1269	129	58	289 T
C2-Dibenzothiophene	ug/kg	33	33	100	9	2508	157	43	501	9	2508	157	43	501
C2-Fluoranthene/pyrene	ug/kg	33	33	100	24	2618	213	85	441	24	2618	213	85	441
C2-Fluorene	ug/kg	33	33	100	8	2282	148	33	544	8	2282	148	33	544
C2-Naphthalene	ug/kg	33	33	100	10	9421	380	38	601	10	9421	380	38	601
C2-Phenanthrene/anthracene	ug/kg	33	33	100	29	7289	450	136	981	29	7289	450	136	981
C3-Chrysene	ug/kg	33	33	100	11	537	73	39	195	11	537	73	39	195
C3-Dibenzothiophene	ug/kg	33	33	100	11	1468	121	44	387	11	1468	121	44	387
C3-Fluoranthene/pyrene	ug/kg	33	33	100	18	1102	118	54	250	18	1102	118	54	250
C3-Fluorene	ug/kg	33	33	100	16	1815	153	53	490	16	1815	153	53	490
C3-Naphthalene	ug/kg	33	33	100	9	8314	385	45	1250	9	8314	385	45	1250
C3-Phenanthrene/anthracene	ug/kg	33	33	100	28	3614	300	121	828	28	3614	300	121	828
C4-Chrysene	ug/kg	33	33	100	4	219	25.5	13.5 T	65	4	219	25.5	13.5 T	65
C4-Dibenzothiophene	ug/kg	33	33	100	12	604	64.1	33	184	12	604	64.1	33	184
C4-Naphthalene	ug/kg	33	33	100	9	3986	245	41	822	9	3986	245	41	822
C4-Phenanthrene/anthracene	ug/kg	33	33	100	10	989	108	55	303	10	989	108	55	303
Chrysene	ug/kg	1329	1280	96.3	1.4 J	370000	2280	120	6700	0.45 U	370000	2200	110	6300 G
Dibenzo(a,h)anthracene	ug/kg	1329	1063	80	0.22 J	25000	294	22	1000	0.22 J	25000	251	14	830
Dibenzothiophene	ug/kg	33	33	100	3	7549	279	21	247	3	7549	279	21	247
Fluoranthene	ug/kg	1340	1307	97.5	0.8 J	1200000	5190	200	14000	0.8 J	1200000	5070	190	14000
Fluorene	ug/kg	1329	1078	81.1	0.28 J	220000	944	20	1600	0.21 U	220000	774	12	1000
High Molecular Weight PAH	ug/kg	1329	1309	98.5	2.16 JT	4350000 T	23800	1080 T	69700 T	2.16 JT	4350000 T	23400	1040 T	62400 T
Indeno(1,2,3-cd)pyrene	ug/kg	1329	1226	92.2	0.9 J	210000	1860	81	6000	0.26 U	210000	1720	71	4800
Low Molecular Weight PAH	ug/kg	1329	1259	94.7	0.65 JT	2910000 T	9770	207 T	15100 T	0.65 JT	2910000 T	9260	190 JT	12800 T
Naphthalene	ug/kg	1334	830	62.2	0.27 J	73000 J	648	31 J	1000	0.27 J	73000 J	420	14.2 U	459
Perylene	ug/kg	72	72	100	0.95 J	14000	526	134	1600	0.95 J	14000	526	134	1600
Phenanthrene	ug/kg	1329	1257	94.6	0.53 J	1700000	5330	102	7800	0.53 J	1700000	5040	92.5	6900
Pyrene	ug/kg	1329	1300	97.8	0.57 J	1300000	5770	210	14000	0.54 U	1300000	5650	199	13000 G
Total PAHs	ug/kg	1329	1309	98.5	3.3 JT	7260000 T	33200	1324 JT	85300 T	3.3 JT	7260000 T	32700	1278 JT	82100 T
Phthalates														

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Bis(2-ethylhexyl) phthalate	ug/kg	1224	722	59	7 J	440000 J	1300	160	2550 T	2 U	440000 J	874	88	2000
Butylbenzyl phthalate	ug/kg	1218	366	30	2.2 J	2800	72.9	21.8 J	230 T	1.6 U	10000 U	57.8	9.5 U	170.5 U
Dibutyl phthalate	ug/kg	1217	375	30.8	3.5 J	1800	42.3	12 J	136	2.9 U	20000 U	75.1	9.5 UT	135 U
Diethyl phthalate	ug/kg	1219	27	2.21	2 J	370	35.6	15.6	102 J	2 J	10000 U	43	6.5 U	108.5 U
Dimethyl phthalate	ug/kg	1219	48	3.94	0.6 J	171	26	16 J	58	0.6 J	10000 U	38.1	5 U	95 U
Di-n-octyl phthalate	ug/kg	1219	125	10.3	3.5 J	15400 JT	524	46	1520	1.3 U	15400 JT	95.9	6 U	150
Semivolitale OrganicCompounds														
1,2,4-Trichlorobenzene	ug/kg	1073	16	1.49	3.1 J	310 J	50.2	9 J	190	0.44 U	2640 U	16.8	2.95 U	80 U
1,2-Dichlorobenzene	ug/kg	1112	18	1.62	0.16 J	610 J	49.7	4.6 J	160	0.092 U	8000 U	20.7	2.5 U	70 U
1,3-Dichlorobenzene	ug/kg	1112	4	0.36	3.6 J	98	36.2	5.3 J	38 J	0.14 U	8000 U	21	2.8 U	82 U
1,4-Dichlorobenzene	ug/kg	1118	22	1.97	0.38 J	730 J	90.4	7.2 J	300 J	0.15 U	8000 U	20.9	2.45 U	75 U
2,4-Dinitrotoluene	ug/kg	1065	0	0						3 U	20400 U	59.3	6 U	125 U
2,6-Dinitrotoluene	ug/kg	1066	0	0						3 U	10000 U	45.5	5.5 U	140 UT
2-Chloronaphthalene	ug/kg	1066	0	0						1.24 UT	6600 U	27.4	4.7 U	70 U
2-Nitroaniline	ug/kg	1066	0	0						2.9 U	6600 U	39.8	5.5 U	124.5 UJT
3,3'-Dichlorobenzidine	ug/kg	1047	0	0						4 U	20000 U	69.5	7.65 UT	145 U
3-Nitroaniline	ug/kg	1065	1	0.0939	475 J	475 J	475	475 J	475 J	2.8 U	20000 U	73.9	5.5 U	145 U
4-Bromophenyl phenyl ether	ug/kg	1067	0	0						1.5 U	6600 U	25.2	2.8 U	90 U
4-Chloroaniline	ug/kg	1065	1	0.0939	10 J	10 J	10	10 J	10 J	2.3 U	40000 U	93.3	4.2 U	104.5 U
4-Chlorophenyl phenyl ether	ug/kg	1067	0	0						2.2 U	6600 U	27.2	4 U	95 U
4-Nitroaniline	ug/kg	1064	2	0.188	39 J	96	67.5	39 J	39 J	3.7 U	6600 U	45.3	6.5 U	145 U
Aniline	ug/kg	841	7	0.832	6.7 J	670	118	15 J	94.4 J	1.6 U	1600 UJT	16.6	1.9 U	80 U
Azobenzene	ug/kg	774	0	0						2.6 U	1400 U	11.6	2.9 UJ	38.5 U
Benzoic acid	ug/kg	1054	41	3.89	40 J	4110 J	540	220 J	2800 J	40 J	53000 U	463	105 U	1150 UJ
Benzyl alcohol	ug/kg	1105	57	5.16	5.7 J	244 J	18.3	11 J	22	4 U	6600 U	42	8.1 U	145 U
Bis(2-chloro-1-methylethyl) ether	ug/kg	224	0	0						10 U	1200 UG	23.8	9.5 U	60 U
Bis(2-chloroethoxy) methane	ug/kg	1066	2	0.188	29	30	29.5	29	29	1.4 U	6600 U	25.2	2.6 U	90 U
Bis(2-chloroethyl) ether	ug/kg	1066	3	0.281	7.3 J	14	11.8	14 J	14 J	2.6 U	6600 U	31.1	4.8 U	104.5 U
Bis(2-chloroisopropyl) ether	ug/kg	842	1	0.119	3.2 J	3.2 J	3.2	3.2 J	3.2 J	1.3 U	6600 U	25.5	1.5 UJ	89 U
Carbazole	ug/kg	1048	598	57.1	1.7 J	32000 J	313	16	700 J	1.5 U	32000 J	186	9.5 UJ	300 J
Dibenzofuran	ug/kg	1231	904	73.4	0.25 J	31000	145	7.1	320	0.19 U	31000	136	8.8	280
Diphenyl	ug/kg	72	66	91.7	0.44 J	670	27.3	6	53	0.44 J	670	25.3	6	53
Hexachlorobenzene	ug/kg	1128	349	30.9	0.0122 J	340	4.04	0.825 J	6.18 J	0.0122 J	10000 U	31.8	1.6 UJ	14.5 J
Hexachlorobutadiene	ug/kg	1136	57	5.02	0.065 J	230 T	11.2	0.695 J	35 J	0.00175 UJ	10200 U	34.1	0.21 U	10 U
Hexachlorocyclopentadiene	ug/kg	1060	0	0						12.4 UT	20000 U	109	20 U	295 U
Hexachloroethane	ug/kg	1086	107	9.85	0.29 J	1600	41.4	1.66 J	74	0.0431 UJT	20000 U	44.4	0.57 J	26
Isophorone	ug/kg	1066	0	0						1.8 U	6600 U	25.8	3.2 U	90 U
Nitrobenzene	ug/kg	1066	0	0						2.2 U	6600 U	27.1	4 U	95 U
N-Nitrosodimethylamine	ug/kg	866	0	0						6.5 U	8020 UJT	57.5	8 U	270 U
N-Nitrosodiphenylamine	ug/kg	1107	8	0.723	3.8 J	310	62.2	23 J	61 J	2.4 U	60000 U	60	4.8 U	100 U
N-Nitrosodipropylamine	ug/kg	1066	1	0.0938	3 J	3 J	3	3 J	3 J	3 J	6600 U	33.2	5.5 U	107 U
Pyridine	ug/kg	1	0	0						382 UJ	382 UJ	191	191 UJ	191 UJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	776	18	2.32	0.82 J	180 J	19.5	7.2 JT	56	0.5 U	1600 U	10.5	2.75 UT	48.5 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	546	12	2.2	1 J	120 J	17.6	1.9 J	49	0.39 U	370 U	2.37	1.75 U	2.45 U
2,3,4,6-Tetrachlorophenol	ug/kg	147	0	0						9.63 U	1600 UJT	68.6	48.5 U	190 U
2,3,5,6-Tetrachlorophenol	ug/kg	308	6	1.95	1.6 J	28	12.8	12 J	15 J	0.52 UJ	1600 UJT	33.5	4.65 U	129.5 U
2,4,5-Trichlorophenol	ug/kg	1123	12	1.07	0.78 J	48 J	11.6	5.3 J	38 J	0.31 U	6600 U	33.5	1.8 U	94 U
2,4,6-Trichlorophenol	ug/kg	1123	29	2.58	0.81 J	220	21.4	2.7 J	71 J	0.29 U	6600 U	33.1	2.05 U	94 U
2,4-Dichlorophenol	ug/kg	1122	7	0.624	4.7 J	120	41.8	36 J	59	2 U	6600 U	36.3	4.75 U	95 U
2,4-Dimethylphenol	ug/kg	1124	7	0.623	7	300	108	31	290	5.9 U	20000 U	70.5	9.5 U	135 U
2,4-Dinitrophenol	ug/kg	1099	0	0						36.7 U	40000 U	229	55 U	645 U
2-Chlorophenol	ug/kg	1122	2	0.178	9.8 J	54	31.9	9.8 J	9.8 J	1.9 U	6600 U	27.8	4.4 U	90 U
2-Methylphenol	ug/kg	1163	5	0.43	17	290	121	69	179 J	3.7 U	12000 U	43.1	7.5 U	115 U
2-Nitrophenol	ug/kg	1113	0	0						2.8 U	6600 U	39.9	6.2 UT	122.5 UJ
3- and 4-Methylphenol Coelution	ug/kg	39	0	0						90 U	12000 U	481	100 UJ	1685 U
4,6-Dinitro-2-methylphenol	ug/kg	1120	0	0						1.9 U	20000 U	96.9	4.25 U	410 U
4-Chloro-3-methylphenol	ug/kg	1122	16	1.43	3.2 J	306	31.8	5.8 J	68 J	2.3 U	6600 U	31.6	5.9 J	96 U
4-Methylphenol	ug/kg	1126	511	45.4	4 J	2500	155	25 J	690	3.1 U	10000 U	106	16	510
4-Nitrophenol	ug/kg	1118	0	0						0.0895 U	20000 U	149	40 U	500 UG
Cresol	ug/kg	1	0	0						2640 U	2640 U	1320	1320 U	1320 U
Pentachlorophenol	ug/kg	1193	170	14.2	0.71 J	8410 J	88.2	8.5 J	185 JT	0.167 U	30500 U	112	2.9 JT	150 UG
Phenol	ug/kg	1163	324	27.9	2.8 J	680	19.8	12 J	39 J	2.1 U	10000 U	47.4	10 U	100 U
Tetrachlorophenol	ug/kg	17	0	0						28.9 U	391 UJ	54.1	16.65 U	181 UJT
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	270	1	0.37	0.29 J	0.29 J	0.29	0.29 J	0.29 J	0.038 U	204 U	2.24	0.0305 U	5 U
1,1,1-Trichloroethane	ug/kg	270	0	0						0.072 U	204 U	2.27	0.06 U	5 U
1,1,2,2-Tetrachloroethane	ug/kg	270	1	0.37	3.4	3.4	3.4	3.4	3.4	0.12 U	204 U	2.33	0.095 U	5 U

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	1	0	0						2 UJ	2 UJ	1	1 UJ	1 UJ
1,1,2-Trichloroethane	ug/kg	270	0	0						0.072 U	204 U	2.27	0.06 U	5 U
1,1-Dichloroethane	ug/kg	270	3	1.11	0.25 J	0.31 J	0.29	0.31 J	0.31 J	0.07 U	204 U	2.27	0.06 U	5 U
1,1-Dichloroethene	ug/kg	270	0	0						0.1 U	204 U	2.29	0.085 U	5 U
1,1-Dichloropropene	ug/kg	26	0	0						2 UJ	204 U	23.1	5.5 U	50 U
1,2,3-Trichlorobenzene	ug/kg	26	0	0						10 UJ	204 U	31.1	22 U	50 U
1,2,3-Trichloropropane	ug/kg	270	2	0.741	0.5 J	0.86 J	0.68	0.5 J	0.5 J	0.14 U	250 U	3.43	0.11 U	5 U
1,2,4-Trimethylbenzene	ug/kg	26	0	0						2 UJ	204 U	31	22 U	50 U
1,2-Dibromo-3-chloropropane	ug/kg	26	0	0						10 UJ	500 U	73.4	22 U	250 U
1,2-Dichloroethane	ug/kg	270	4	1.48	0.11 J	0.36 J	0.265	0.24 J	0.35 J	0.038 U	204 U	2.25	0.0305 U	5 U
1,2-Dichloroethene	ug/kg	8	0	0						5 U	50 U	13.8	12.5 U	25 U
1,2-Dichloropropane	ug/kg	270	0	0						0.043 U	204 U	2.25	0.0345 U	5 U
1,3,5-Trimethylbenzene	ug/kg	26	0	0						2 UJ	204 U	31	22 U	50 U
1,3-Dichloropropane	ug/kg	26	0	0						2 UJ	204 U	23.1	5.5 U	50 U
1,3-Dichloropropene	ug/kg	8	0	0						5 U	50 U	13.8	12.5 U	25 U
1,4-Dichloro-trans-2-butene	ug/kg	245	0	0						0.62 U	10 UJ	0.529	0.49 U	0.7 U
1-Methyl-4-isopropylbenzene	ug/kg	9	0	0						2 UJ	204 U	72.6	100 U	100 U
2,2-Dichloropropane	ug/kg	26	0	0						2 UJ	204 U	23.1	5.5 U	50 U
2-Chloroethyl vinyl ether	ug/kg	244	0	0						0.19 U	10 UJ	0.169	0.145 UJ	0.2 U
2-Chlorotoluene	ug/kg	26	0	0						2 UJ	204 U	31	22 U	50 U
4-Chlorotoluene	ug/kg	26	0	0						2 UJ	204 U	31	22 U	50 U
Acetone	ug/kg	258	27	10.5	3.4 J	90 J	23.7	25	40 J	2 U	5100 U	52.4	4.8 U	40 J
Acrolein	ug/kg	29	0	0						0.7 U	100 UJ	2.22	0.55 U	0.65 U
Acrylonitrile	ug/kg	245	0	0						0.28 U	10 UJ	0.246	0.22 U	0.305 U
Benzene	ug/kg	329	45	13.7	0.074 J	720 J	21	0.21 J	16	0.01 U	720 J	6.52	0.043 U	25 UG
Bromobenzene	ug/kg	26	0	0						2 UJ	204 U	23	5.5 U	50 U
Bromochloromethane	ug/kg	270	0	0						0.073 U	204 U	2.55	0.06 U	5 U
Bromodichloromethane	ug/kg	270	0	0						0.083 U	204 U	2.28	0.07 U	5 U
Bromoethane	ug/kg	1	0	0						4 UJ	4 UJ	2	2 UJ	2 UJ
Bromoform	ug/kg	270	0	0						0.056 U	204 U	2.53	0.0455 U	5 U
Bromomethane	ug/kg	270	0	0						0.45 U	2040 U	16.4	0.365 U	5 U
BTEX	ug/kg	299	65	21.7	0.074 JT	1500 T	47.5	0.69 JT	89.7 JT	0.074 JT	1500 T	15.5	0.175 UT	26.2 T
Butylbenzene	ug/kg	8	0	0						20 U	100 U	25.6	25 U	50 U
Carbon disulfide	ug/kg	267	20	7.49	0.22 J	4.5	0.796	0.36 JT	2.6 J	0.16 U	2040 U	17.4	0.13 U	4.5 U
Carbon tetrachloride	ug/kg	270	0	0						0.12 U	408 U	3.24	0.1 U	5 U
Chlorobenzene	ug/kg	276	49	17.8	0.14 JT	35000	1760	0.83 J	710	0.085 U	35000	314	0.07 U	25 U
Chlorodibromomethane	ug/kg	270	0	0						0.083 U	204 U	2.27	0.07 U	5 U
Chloroethane	ug/kg	270	2	0.741	7.7	32	19.9	7.7	7.7	0.34 U	500 U	6.05	0.275 U	7.7
Chloroform	ug/kg	270	14	5.19	0.087 J	98	11.4	0.13 J	60	0.068 U	204 U	2.86	0.06 U	12.5 U
Chloromethane	ug/kg	270	0	0						0.24 U	1020 U	11.6	0.19 U	5 U
cis-1,2-Dichloroethene	ug/kg	89	2	2.25	0.21 J	0.27 J	0.24	0.21 J	0.21 J	0.076 U	204 U	5.56	0.065 U	50 U
cis-1,3-Dichloropropene	ug/kg	262	0	0						0.038 U	204 U	1.9	0.03 U	2.5 U
Dichlorodifluoromethane	ug/kg	270	36	13.3	0.2 J	29	5.08	2.4	17	0.14 U	1020 U	12.2	0.115 U	15
Ethylbenzene	ug/kg	329	33	10	0.11 J	710	29.3	0.29 J	9.8	0.009 U	710	6.6	0.08 U	25 U
Ethylene dibromide	ug/kg	270	0	0						0.062 U	204 U	3.03	0.05 U	21 U
Isopropylbenzene	ug/kg	270	46	17	0.073 J	520	21	0.61 J	25	0.054 U	520	7.33	0.047 U	25 U
m,p-Xylene	ug/kg	305	28	9.18	0.08 J	170	10.5	0.7 J	10	0.02 U	408 U	4.66	0.135 U	5 U
Methyl iodide	ug/kg	245	0	0						0.82 U	4.9 U	0.678	0.65 U	0.9 UJ
Methyl isobutyl ketone	ug/kg	261	1	0.383	0.33 J	0.33 J	0.33	0.33 J	0.33 J	0.3 U	1020 U	10.9	0.235 U	10 U
Methyl n-butyl ketone	ug/kg	264	1	0.379	1.8 J	1.8 J	1.8	1.8 J	1.8 J	0.78 U	2040 U	20.2	0.65 U	21 U
Methyl tert-butyl ether	ug/kg	249	10	4.02	0.07 J	0.84 J	0.298	0.17 J	0.69 J	0.048 U	100 U	0.852	0.0385 U	0.13 J
Methylene bromide	ug/kg	270	0	0						0.1 U	204 U	2.29	0.085 U	5 U
Methylene chloride	ug/kg	270	2	0.741	0.88 J	1.3 J	1.09	0.88 J	0.88 J	0.4 U	1020 U	11.1	0.75 U	10.5 U
Methylethyl ketone	ug/kg	69	51	73.9	2.1 J	9.8 J	4.2	3.9 J	6.7 J	2.1 J	5100 U	153	4.7 J	625 U
Methylisopropylbenzene	ug/kg	17	0	0						20 U	100 U	20.7	18.5 U	50 U
n-Butylbenzene	ug/kg	18	0	0						4 UJ	500 U	77.8	21 U	250 U
n-Propylbenzene	ug/kg	26	0	0						2 UJ	204 U	31	22 U	50 U
o-Xylene	ug/kg	305	43	14.1	0.13 J	500	16.9	0.5 J	6.8	0.008 U	500	4.56	0.085 U	5 U
Sec-butylbenzene	ug/kg	23	0	0						2 UJ	204 U	31.7	21 UJ	50 U
Styrene	ug/kg	270	1	0.37	1.1	1.1	1.1	1.1	1.1	0.09 U	204 U	2.29	0.08 U	5 U
tert-Butylbenzene	ug/kg	23	0	0						2 UJ	204 U	31.7	21 U	50 U
Tetrachloroethene	ug/kg	304	2	0.658	0.22 J	0.91 J	0.565	0.22 J	0.22 J	0.12 U	204 U	2.56	0.1 U	5 U
Toluene	ug/kg	323	10	3.1	0.08 J	52	11.2	1.1	50 J	0.02 U	204 U	4.01	0.155 U	25 U
trans-1,2-Dichloroethene	ug/kg	267	1	0.375	0.48 J	0.48 J	0.48	0.48 J	0.48 J	0.24 U	204 U	2.14	0.19 U	4.5 U
trans-1,3-Dichloropropene	ug/kg	267	0	0						0.054 U	204 U	2	0.043 U	4.5 U
Trichloroethene	ug/kg	304	6	1.97	0.11 J	0.91 J	0.363	0.28 J	0.42 J	0.076 U	204 U	2.54	0.065 U	5 U
Trichlorofluoromethane	ug/kg	270	0	0						0.099 U	500 U	4.79	0.08 U	5 U
Vinyl acetate	ug/kg	8	0	0						0.49 UJ	10 UJ	0.893	0.325 U	0.355 U

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Table C1-1. Summary Statistics for All Analytes, Surface Sediment, Study Area≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	#	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Vinyl chloride	ug/kg	270	2	0.741	0.34 J	0.57 J	0.455	0.34 J	0.34 J	0.11 U	500 U	4.8	0.085 U	5 U
Xylene	ug/kg	329	45	13.7	0.14 JT	670 T	23.8	0.97 JT	27 T	0.02 UT	670 T	8.25	0.15 UT	25 U
Petroleum														
Diesel Range Hydrocarbons	mg/kg	580	529	91.2	3.07	20000 J	343	100 J	940 J	3.07	20000 J	316	92 JT	840 J
Fuel oil no. 2	mg/kg	1	1	100	401	401	401	401	401	401	401	401	401	401
Gasoline Range Hydrocarbons	mg/kg	430	64	14.9	1.5 J	260 J	27.2	7.75 JT	102 JT	1.3 UT	260 J	5.8	1.2 U	20 U
Heavy oil	mg/kg	5	4	80	89	1450	475	117	242	25 U	1450	382	117	242
Jet fuel A	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
JP-4 jet fuel	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Kerosene	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Lube Oil	mg/kg	136	100	73.5	7.96	3310 T	303	160 E	1050	1.03 U	3310 T	235	76.3	871
Mineral spirits	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Motor oil	mg/kg	2	2	100	110 Z	125 JT	118	110 Z	110 Z	110 Z	125 JT	118	110 Z	110 Z
Naphtha distillate	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Pencil pitch	mg/kg	40	34	85	310	14000	2110	1600	4500	100 U	14000	1800	1200	4500
Phytane	mg/kg	40	10	25	0.5	6.1	1.43	0.8	2.4	0.5 U	6.1	0.564	0.25 U	1
Pristane	mg/kg	40	14	35	0.5	7	1.36	0.7	2.6	0.5 U	7	0.638	0.25 U	1.5
Residual Range Hydrocarbons	mg/kg	437	415	95	8.4 J	18000 J	828	480 J	1900 J	8.4 J	18000 J	790	450 J	1700 J
Total Petroleum Hydrocarbons	mg/kg	443	431	97.3	8.4 JT	33100 JT	1180	580 JT	2640 JT	8.4 JT	33100 JT	1150	568 JT	2600 JT
Atterberg Limits														
Liquid Limit	percent	26	26	100	24.2	59.1	37.5	37.2	42.4	24.2	59.1	37.5	37.2	42.4
Plastic Limit	percent	54	54	100	17.8		29.3			17.8		29.3		
Plasticity Index	percent	26	26	100	4	30.7	8.27	7.5	9.6	4	30.7	8.27	7.5	9.6

Notes:
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentratio
B - Analyte detected in method blank
E - Estimated.
G - Estimate is greater than value shown
H - Holding time exceeded
J - The associated numerical value is an estimated quantity
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitiv
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides)
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available re
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation lim
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
< 0.075 mm	percent	170	170	100	2.2	97.4	45.2	42.8	92.5	2.2	97.4	45.2	42.8	92.5
> 0.075 mm	percent	19	19	100	6.1	24.5	16.3	16.2	22.3	6.1	24.5	16.3	16.2	22.3
>10 Phi clay	percent	5	5	100		6.8	1.36			0	6.8	1.36	0	0
>9 Phi clay	percent	724	724	100		21.8 T	6.98	7.05	15.1	0	21.8 T	6.98	7.05	15.1
8-9 Phi clay	percent	729	729	100	T	16.4	3.88	3.95	8.22	0 T	16.4	3.88	3.95	8.22
9-10 Phi clay	percent	5	5	100		8.1	3.72	3.7	6.8	0	8.1	3.72	3.7	6.8
Clay	percent	205	205	100	0.04	68.2 T	12.3	12.02	20.31	0.04	68.2 T	12.3	12.02	20.31
Coarse sand	percent	793	793	100	0.05 J	50.7 T	4.4	1.42	20	0.05 J	50.7 T	4.4	1.42	20
Coarse silt	percent	729	729	100		51 J	12.1	12.2	25.5	0	51 J	12.1	12.2	25.5
Fine gravel	percent	788	737	93.5		34	0.935	0.3 J	2.89	0 UJ	34	0.874	0.25	2.72
Fine sand	percent	793	793	100	0.09	63.4	11.9	8.3	34.7	0.09	63.4	11.9	8.3	34.7
Fine silt	percent	729	729	100	T	30.5 J	9.46	10	19.5	0 T	30.5 J	9.46	10	19.5
Fines	percent	936	936	100	0.24	101 T	54.3	63.6 T	91 T	0.24	101 T	54.3	63.6 T	91 T
Gravel	percent	101	101	100		15.9	1.28	0.25	5.3	0	15.9	1.28	0.25	5.3
Mean grain size	mm	13	13	100	0.0351	0.269	0.133	0.113	0.221	0.0351	0.269	0.133	0.113	0.221
Median grain size	mm	13	13	100	0.02	0.057	0.037	0.04	0.048	0.02	0.057	0.037	0.04	0.048
Medium gravel	percent	788	702	89.1		47.9	0.878		3.98	0	47.9	0.782	0	3.25
Medium sand	percent	793	793	100	0.16	83.9	16.7	5.49	63.2 J	0.16	83.9	16.7	5.49	63.2 J
Medium silt	percent	729	729	100		37.2	13.2	14.5 T	26	0	37.2	13.2	14.5 T	26
Sand	percent	143	143	100	3.4	100.16	38.6	31.67	94.5	3.4	100.16	38.6	31.67	94.5
Sieve 10	percent	156	156	100		2.1	0.134		0.6	0	2.1	0.134	0	0.6
Sieve 140	percent	156	156	100	0.7 J	51.7	11.4	9.49	30.38 J	0.7 J	51.7	11.4	9.49	30.38 J
Sieve 20	percent	156	156	100		7.8	0.878	0.5	2.9	0	7.8	0.878	0.5	2.9
Sieve 200	percent	156	156	100	-2.36	17.4	3.43	1.9	12.2	-2.36	17.4	3.43	1.9	12.2
Sieve 230	percent	5	5	100	2.2	21.9	10.4	6.8	15.5	2.2	21.9	10.4	6.8	15.5
Sieve 4	percent	156	156	100		11.9	0.271		1.3	0	11.9	0.271	0	1.3
Sieve 40	percent	156	156	100		52.2	16.7	11.7	43.1	0	52.2	16.7	11.7	43.1
Sieve 60	percent	156	156	100	0.1	66	25.9	25.6	59.4 J	0.1	66	25.9	25.6	59.4 J
Silt	percent	205	205	100	0.12	86.3	51.2	56.8	76.3	0.12	86.3	51.2	56.8	76.3
Very coarse sand	percent	790	786	99.5	0.01 J	26.4	1.14	0.55	3.61	0 UJ	26.4	1.13	0.54	3.61
Very fine sand	percent	790	790	100	0.3	46.1	10.3	9.35	23.2	0.3	46.1	10.3	9.35	23.2
Very fine silt	percent	729	729	100		17.5	6.16	6.59	12.8	0	17.5	6.16	6.59	12.8
Conventionals														
Acid Volatile Sulfides	mg/kg	10	8	80	10.2	46 G	24.3	17.9 G	37	0.7 UG	46 G	19.5	17	37
Ammonia	mg/kg	111	111	100	1.4	775	250	224	522	1.4	775	250	224	522
Cyanide	mg/kg	15	11	73.3	0.14 J	5.4	1.51	1	2.6	0.14 J	5.4	1.14	0.6	2.6
Moisture	percent	19	19	100	65	105	89.1	89	99	65	105	89.1	89	99
Specific Gravity	NA	725	725	100	1.2	2.55	1.7	1.65 J	2.06	1.2	2.55	1.7	1.65 J	2.06
Sulfide	mg/kg	100	100	100	0.9	796 G	28.1	10.4 J	72 J	0.9	796 G	28.1	10.4 J	72 J
Total organic carbon	percent	1145	1101	96.2	0.02 J	35.5	1.7	1.64	3.82 T	0.02 U	35.5	1.64	1.58	3.72
Total solids	percent	1274	1274	100	32	93	64.5	63.6	80.5	32	93	64.5	63.6	80.5
Total volatile solids	percent	119	119	100	1.73	10.5	6.57	7.12	8.54	1.73	10.5	6.57	7.12	8.54
Metals														
Aluminum	mg/kg	746	746	100	5960 J	45900	22800	23200	36300	5960 J	45900	22800	23200	36300
Antimony	mg/kg	840	528	62.9	0.03 G	18.2 J	0.697	0.21 JT	3.21 J	0.02 UG	18.2 J	0.543	0.145 JT	2.5 UJ
Arsenic	mg/kg	1116	1072	96.1	0.5 E	44.5 J	4.02	3.56	6.95	0.5 E	44.5 J	3.95	3.5	6.83 J
Barium	mg/kg	42	42	100	125	330	192	189	274	125	330	192	189	274
Beryllium	mg/kg	46	42	91.3	0.38	0.7	0.574	0.59	0.7	0.38	1.05 U	0.568	0.565 T	0.7
Cadmium	mg/kg	1092	1020	93.4	0.011 J	7.03	0.366	0.29	0.803	0.008 UJ	7.03	0.348	0.27	0.8 G
Calcium	mg/kg	37	37	100	4310	16000	8770	8450	13800	4310	16000	8770	8450	13800
Chromium hexavalent	mg/kg	45	6	13.3	0.11 JT	0.3 J	0.218	0.2 JT	0.3 J	0.11 JT	0.3 J	0.116	0.1 UT	0.2 JT
Chromium	mg/kg	1097	1097	100	6.41 J	249 T	28.5	27.3	45.5	6.41 J	249 T	28.5	27.3	45.5

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Cobalt	mg/kg	37	37	100	16.2	24.6	18.4	18.2 T	20.6	16.2	24.6	18.4	18.2 T	20.6
Copper	mg/kg	1116	1116	100	9.42 J	3290	49.7	35.4	95.7 T	9.42 J	3290	49.7	35.4	95.7 T
Iron	mg/kg	40	40	100	34700	53900	42000	41400	49300	34700	53900	42000	41400	49300
Lead	mg/kg	1116	1109	99.4	1.95	3330 J	37.2	20.2	102	1.95	3330 J	37.1	20.2 J	102
Magnesium	mg/kg	37	37	100	5550	8510	6930	7010	7670	5550	8510	6930	7010	7670
Manganese	mg/kg	40	40	100	344	872	622	587	846	344	872	622	587	846
Mercury	mg/kg	1014	951	93.8	0.007 J	4.14	0.16	0.088	0.5	0.006 U	4.14	0.151	0.081	0.489
Nickel	mg/kg	1096	1096	100	10.2	716	24.7	23.4 J	32	10.2	716	24.7	23.4 J	32
Potassium	mg/kg	37	37	100	1060	1550	1300	1330	1470	1060	1550	1300	1330	1470
Selenium	mg/kg	926	350	37.8	0.03 J	14	1.15	0.12	10	0.02 U	14	0.473	0.06 U	0.5 U
Silver	mg/kg	1089	1017	93.4	0.016 J	4.32 J	0.331	0.257 T	0.924	0.016 J	4.32 J	0.318	0.241	0.924
Sodium	mg/kg	37	37	100	714 J	57800 J	2760	1100	2180 J	714 J	57800 J	2760	1100	2180 J
Thallium	mg/kg	46	22	47.8	0.06	12	5.34	6	9	0.06	12	3.82	2.5 U	9
Tin	mg/kg	3	3	100	2.28 G	4.46 G	3.72	4.42 G	4.42 G	2.28 G	4.46 G	3.72	4.42 G	4.42 G
Titanium	mg/kg	27	27	100	1790	3490	2050	1950	2590	1790	3490	2050	1950	2590
Vanadium	mg/kg	37	37	100	89.9	136	103	103	111	89.9	136	103	103	111
Zinc	mg/kg	1104	1104	100	24	1930	131	101	288 T	24	1930	131	101	288 T
Butyltins														
Butyltin ion	ug/kg	287	168	58.5	0.081 J	540 J	13.3	0.86 J	49	0.034 U	540 J	8.54	0.48 J	23
Dibutyltin ion	ug/kg	291	195	67	0.059 J	6000 J	76.4	2.2 T	150	0.037 U	6000 J	51.9	1.2 J	100
Tetrabutyltin	ug/kg	291	67	23	0.22 J	510 J	25.3	1.9 J	100	0.079 U	510 J	6.68	0.105 U	11
Tributyltin ion	ug/kg	308	182	59.1	0.32 J	90000	1630	25	4100	0.068 U	90000	963	2.1 J	1400
PCB Aroclors														
Aroclor 1016	ug/kg	1002	0	0						1.09 U	75000 U	47.3	1.1 U	10 U
Aroclor 1221	ug/kg	1002	0	0						1.3 U	150000 U	91.3	1.665 U	19.5 UJ
Aroclor 1232	ug/kg	1002	1	0.0998	10	10	10	10	10	1.3 U	75000 U	48.3	1.51 U	11.85 UJ
Aroclor 1242	ug/kg	1002	20	2	7	16400	1130	69 J	3260 J	1.11 U	75000 U	69.3	1.11 U	13.7 J
Aroclor 1248	ug/kg	1002	303	30.2	1.73 J	1850 J	82.3	27.7 J	297	1.3 U	75000 U	71.5	2.5 U	95.1
Aroclor 1254	ug/kg	1002	440	43.9	0.906	26000	237	50.5 J	567	0.662 U	75000 U	161	10.05 UJ	253 J
Aroclor 1260	ug/kg	1002	560	55.9	1.78 J	3200 J	81.1	33	220	0.85 U	75000 U	91.3	10 UJ	160
Aroclor 1262	ug/kg	857	0	0						1.02 U	2000 U	4.53	0.95 U	7.5 U
Aroclor 1268	ug/kg	857	38	4.43	1.64 J	474 J	52.5	20 J	192 J	0.874 U	2000 U	6.44	0.95 U	14.65 U
Total PCB Aroclors	ug/kg	1002	607	60.6	0.906 T	26000 T	328	78 T	843 JT	0.906 T	150000 UT	296	26 JT	568 JT
PCB Congeners														
PCB001	ug/kg	27	26	96.3	0.00921	65.1	4.93	0.129	6.22	0.00921	65.1	4.75	0.129	6.22
PCB002	ug/kg	27	25	92.6	0.00506	7.66	0.669	0.0469	0.653	0.00506	7.66	0.62	0.046	0.653
PCB003	ug/kg	27	26	96.3	0.0192 T	38.4	3.06	0.131	3.51	0.0167 U	38.4	2.95	0.131	3.51
PCB004 & 010	ug/kg	27	23	85.2	0.0499 T	353	18.8	0.306	12.3	0.0173 U	353	16	0.259 U	12.3
PCB005 & 008	ug/kg	27	24	88.9	0.17	1240	62.8	1.06	42.9	0.0479 U	1240	55.8	0.806	42.9
PCB006	ug/kg	27	21	77.8	0.0686	202	12.1	0.501	8.17	0.0198 U	202	9.45	0.17	8.17
PCB007 & 009	ug/kg	27	16	59.3	0.0306	71.3	5.95	0.335	14	0.0158 UT	71.3	3.55	0.1 U	3.73
PCB011	ug/kg	27	9	33.3	0.0168	3.99	0.655	0.152	0.833	0.0133 UT	3.99	0.254	0.052 U	0.433
PCB012 & 013	ug/kg	27	19	70.4	0.052 T	32.3	2.46	0.285	5.58	0.0198 U	32.3	1.75	0.136	3
PCB014	ug/kg	27	0	0						0.00331 U	1.29 U	0.0526	0.013 U	0.1 U
PCB015	ug/kg	27	25	92.6	0.0387	334	17.8	0.971	18.9	0.0387	334	16.5	0.672	18.9
PCB016 & 032	ug/kg	27	25	92.6	0.0586	1300	63.2	1.93	34.7	0.0586	1300	58.5	1.52	34.7
PCB017	ug/kg	27	25	92.6	0.0318	858	42	1.51	24.6	0.0318	858	38.9	1.11	24.6
PCB018	ug/kg	27	25	92.6	0.0796	2330	111	1.95	58.2	0.0796	2330	103	1.78	58.2
PCB019	ug/kg	27	24	88.9	0.035	215	10.7	0.211	5.49	0.0167 U	215	9.52	0.176	5.49
PCB020 & 021 & 033	ug/kg	27	26	96.3	0.101	1650	82.8	1.34	44.8	0.101	1650	79.7	1.34	44.8
PCB022	ug/kg	27	24	88.9	0.18	884	47.9	0.963	24.3	0.0167 U	884	42.6	0.822	24.3
PCB023	ug/kg	27	13	48.1	0.00264	2.48	0.239	0.0168 J	0.386	0.00264	2.48	0.126	0.012 U	0.13 U
PCB024 & 027	ug/kg	27	24	88.9	0.0301	142	7.21	0.165	4.05	0.0167 U	142	6.41	0.165	4.05

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB025	ug/kg	27	25	92.6	0.0246	187	10.5	0.447	10.1	0.0246	187	9.7	0.416	10.1
PCB026	ug/kg	27	25	92.6	0.0404	354	19.8	0.743	17.5	0.0404	354	18.4	0.668	17.5
PCB028	ug/kg	27	26	96.3	0.147	2160	103	3.54	64.4	0.147	2160	98.8	3.54	64.4
PCB029	ug/kg	27	21	77.8	0.00187	15.2	0.85	0.0253	0.412	0.00187	15.2	0.67	0.025	0.412
PCB030	ug/kg	27	1	3.7	0.0149 J	0.0149 J	0.0149	0.0149 J	0.0149 J	0.00166 U	0.644 U	0.0264	0.006 U	0.05 U
PCB031	ug/kg	27	25	92.6	0.194	2060	120	4.42	56.1	0.0996 U	2060	111	2.81	56.1
PCB034	ug/kg	27	24	88.9	0.00926 J	10.6	0.678	0.0587	0.655	0.00926 J	10.6	0.61	0.059	0.655
PCB035	ug/kg	27	25	92.6	0.00681 J	21	1.06	0.0659	0.807	0.00681 J	21	0.987	0.066	0.807
PCB036	ug/kg	27	10	37	0.00222 J	0.0276	0.0134	0.0103 J	0.0269	0.00222 J	0.644 U	0.0288	0.01 U	0.05 U
PCB037	ug/kg	27	25	92.6	0.0305	510	25.2	1.08	16.7	0.0305	510	23.4	0.993	16.7
PCB038	ug/kg	27	24	88.9	0.00466 JT	7.45	0.448	0.0486 J	0.517	0.00466 JT	7.45	0.405	0.05 U	0.517
PCB039	ug/kg	27	23	85.2	0.00471 JT	1.41	0.103	0.0258	0.176	0.00471 JT	1.41	0.096	0.027	0.176
PCB040	ug/kg	27	25	92.6	0.0328	345	17	1.08	9.1	0.0328	345	15.7	1.02	9.1
PCB041 & 064 &071 &072	ug/kg	27	26	96.3	0.172	1650	79.5	6.44	47.7	0.172	1650	76.6	6.44	47.7
PCB042 & 059	ug/kg	27	26	96.3	0.0545	624	29.9	1.97	15.8	0.0545	624	28.8	1.97	15.8
PCB043 & 049	ug/kg	27	26	96.3	0.216	1320	68.3	8.52	53.8	0.216	1320	65.8	8.52	53.8
PCB044	ug/kg	27	26	96.3	0.294	1810	89.6	7.98	59.5	0.259 U	1810	86.3	7.98	59.5
PCB045	ug/kg	27	26	96.3	0.0194	363	17.1	0.833	8.61	0.0194	363	16.5	0.833	8.61
PCB046	ug/kg	27	25	92.6	0.0118 J	149	7.49	0.532	5.32	0.0118 J	149	6.94	0.389	5.32
PCB047	ug/kg	27	24	88.9	0.418 T	453	26.3	3.16	27.3	0.075 U	453	23.4	2.88	27.3
PCB048 & 075	ug/kg	27	26	96.3	0.0194	464	21.4	1.12	12.3	0.0194	464	20.7	1.12	12.3
PCB050	ug/kg	27	21	77.8	0.00482 JT	5.86	0.357	0.0278	0.26	0.00482 JT	5.86	0.287	0.028	0.26
PCB051	ug/kg	27	25	92.6	0.00652 J	101	5.26	0.318	5.41	0.00652 J	101	4.88	0.288	5.41
PCB052 & 069	ug/kg	27	26	96.3	0.538	1680	90.2	13.1	127	0.259 U	1680	86.8	13.1	127
PCB053	ug/kg	27	25	92.6	0.028	314	16	1.29	12.4	0.028	314	14.8	1.02	12.4
PCB054	ug/kg	27	23	85.2	0.00276 JT	5.09	0.286	0.0178 J	0.241	0.00276 JT	5.09	0.251	0.018 J	0.241
PCB055	ug/kg	27	24	88.9	0.00736 J	27.1	1.43	0.12	0.749	0.00736 J	27.1	1.28	0.12	0.749
PCB056 & 060	ug/kg	27	26	96.3	0.141	1030	50.4	2.72	30	0.141	1030	48.5	2.72	30
PCB057	ug/kg	27	24	88.9	0.00755 J	8.23	0.468	0.0467	0.419	0.00755 J	8.23	0.423	0.049 J	0.419
PCB058	ug/kg	27	23	85.2	0.00562 JT	5.9	0.441	0.0576	0.331	0.00562 JT	5.9	0.384	0.05 U	0.331
PCB061 & 070	ug/kg	27	26	96.3	0.415	1570	82.1	8.11	75.6	0.259 U	1570	79	8.11	75.6
PCB062	ug/kg	27	5	18.5	0.00883	0.81	0.176	0.0138 J	0.0368	0.00166 U	0.81	0.0457	0.008 U	0.05 U
PCB063	ug/kg	27	25	92.6	0.00922 J	56.4	3.03	0.299	2.24	0.00922 J	56.4	2.81	0.248	2.24
PCB065	ug/kg	27	9	33.3	0.00259	1.49	0.195	0.0212	0.155	0.00259	1.49	0.0778	0.01 T	0.13 U
PCB066 & 076	ug/kg	27	26	96.3	0.269	1280	65.5	5.54	42.8	0.259 U	1280	63.1	5.54	42.8
PCB067	ug/kg	27	25	92.6	0.00819 J	58.9	2.77	0.192	1.43	0.00819 J	58.9	2.57	0.135	1.43
PCB068	ug/kg	27	23	85.2	0.0173 T	4.3	0.37	0.123	0.491	0.0155 U	4.3	0.322	0.102	0.491
PCB073	ug/kg	27	1	3.7	0.317	0.317	0.317	0.317	0.317	0.00247 U	0.644 U	0.038	0.008 U	0.13 U
PCB074	ug/kg	27	26	96.3	0.115	739	36.6	2.28	22.1	0.115	739	35.3	2.28	22.1
PCB077	ug/kg	27	26	96.3	0.0596 T	120	5.99	0.456	4.42	0.025 U	120	5.77	0.456	4.42
PCB078	ug/kg	27	0	0						0.00166 U	0.644 U	0.0263	0.006 U	0.05 U
PCB079	ug/kg	27	26	96.3	0.0137 T	6.49	0.497	0.209	0.907	0.0137 T	6.49	0.483	0.209	0.907
PCB080	ug/kg	27	1	3.7	0.0137	0.0137	0.0137	0.0137	0.0137	0.00166 U	0.644 U	0.0266	0.008 U	0.05 U
PCB081	ug/kg	27	25	92.6	0.00176 JT	5.01	0.365	0.0749 T	0.895	0.00176 JT	5.01	0.343	0.075 T	0.895
PCB082	ug/kg	27	26	96.3	0.0913 T	129	7.58	1.34 T	13	0.0913 T	129	7.31	1.34 T	13
PCB083	ug/kg	27	7	25.9	0.00456	1.45	0.223	0.0225 J	0.0408	0.00247 U	1.45	0.0704	0.007 J	0.05 U
PCB084 & 092	ug/kg	27	26	96.3	0.559 T	316	23.5	6.54	52.1	0.259 U	316	22.6	6.54	52.1
PCB085 & 116	ug/kg	27	26	96.3	0.134 T	165	9.85	1.89	14	0.134 T	165	9.49	1.89	14
PCB086	ug/kg	27	22	81.5	0.00405 JT	13.3	0.951	0.0645	1.21	0.00405 JT	13.3	0.784	0.063	1.21
PCB087 & 117 & 125	ug/kg	27	26	96.3	0.289 T	296	20.4	5.3	41	0.259 U	296	19.6	5.3	41
PCB088 & 091	ug/kg	27	26	96.3	0.124	130	8.63	1.95	15.4	0.124	130	8.32	1.95	15.4
PCB089	ug/kg	27	24	88.9	0.0162 T	23.7	1.33	0.135	1.13	0.0162 T	23.7	1.19	0.13 U	1.13
PCB090 & 101	ug/kg	27	27	100	0.708	638	48.2	16.4	111	0.708	638	48.2	16.4	111

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB093	ug/kg	27	2	7.41	0.00706 J	0.685	0.346	0.00706 J	0.00706 J	0.00166 U	0.685	0.0469	0.007 J	0.05 U
PCB094	ug/kg	27	24	88.9	0.00638 JT	6.57	0.426	0.0736	0.523	0.00638 JT	6.57	0.386	0.074	0.523
PCB095 & 098 & 102	ug/kg	27	27	100	0.633	546	39.5	12.5	88.3	0.633	546	39.5	12.5	88.3
PCB096	ug/kg	27	24	88.9	0.0129 T	14.7	0.863	0.105	0.924	0.0129 T	14.7	0.774	0.105	0.924
PCB097	ug/kg	27	26	96.3	0.268 T	243	16.9	4.22	36.8	0.259 U	243	16.3	4.22	36.8
PCB099	ug/kg	27	26	96.3	0.524	307	23.1	6.6	52.3	0.259 U	307	22.3	6.6	52.3
PCB100	ug/kg	27	24	88.9	0.0194 T	2.41	0.278	0.0992	0.489	0.0167 U	2.41	0.254	0.099	0.489
PCB103	ug/kg	27	24	88.9	0.0562 T	4.76	0.568	0.257	1.07	0.0167 U	4.76	0.512	0.225	1.07
PCB104	ug/kg	27	8	29.6	0.00209 J	0.13 J	0.0298	0.00376	0.0618	0.00209 J	0.259 U	0.022	0.01 J	0.062
PCB105	ug/kg	27	27	100	0.175 T	237	14.9	3.43	30.8	0.175 T	237	14.9	3.43	30.8
PCB106 & 118	ug/kg	27	27	100	0.492	488	36.4	10.9 T	84.5	0.492	488	36.4	10.9 T	84.5
PCB107 & 109	ug/kg	27	26	96.3	0.0687	40.4	3.03	0.898	5.05	0.0687	40.4	2.92	0.898	5.05
PCB108 & 112	ug/kg	27	25	92.6	0.0501	40.3	2.84	0.832	4.85	0.0501	40.3	2.64	0.644	4.85
PCB110	ug/kg	27	27	100	0.614	703	51.8	15.7	115	0.614	703	51.8	15.7	115
PCB111 & 115	ug/kg	27	26	96.3	0.014 T	20.6	1.3	0.22	3	0.014 T	20.6	1.26	0.22	3
PCB113	ug/kg	27	12	44.4	0.0131 T	0.114	0.0533	0.0492	0.101	0.00247 U	0.644 U	0.047	0.02	0.114
PCB114	ug/kg	27	25	92.6	0.0109 T	19.1	1.18	0.228 T	2.06	0.0109 T	19.1	1.1	0.212	2.06
PCB119	ug/kg	27	26	96.3	0.0264	13	1.2	0.449	2.64	0.0264	13	1.16	0.449	2.64
PCB120	ug/kg	27	22	81.5	0.0118 T	0.82	0.13	0.0517	0.273	0.0104 U	0.82	0.115	0.05 U	0.273
PCB121	ug/kg	27	3	11.1	0.00332 JT	0.0262	0.0161	0.0189	0.0189	0.00247 U	0.644 U	0.0277	0.008 U	0.05 U
PCB122	ug/kg	27	26	96.3	0.00669 JT	9.55	0.575	0.115 T	0.93	0.00669 JT	9.55	0.559	0.118	0.93
PCB123	ug/kg	27	26	96.3	0.00902 T	13.5	0.927	0.143	2.19	0.00902 T	13.5	0.898	0.143	2.19
PCB124	ug/kg	27	25	92.6	0.0223 T	22.2	1.6	0.451	3.08	0.0223 T	22.2	1.49	0.398 T	3.08
PCB126	ug/kg	27	26	96.3	0.00302 JT	2.02	0.154	0.0488	0.284	0.00302 JT	2.02	0.153	0.061 J	0.284
PCB127	ug/kg	27	1	3.7	0.0486 J	0.0486 J	0.0486	0.0486 J	0.0486 J	0.00166 U	0.644 U	0.0263	0.006 U	0.049 J
PCB128 & 162	ug/kg	27	26	96.3	0.118 T	44.8	5.22	1.88	13.9	0.118 T	44.8	5.03	1.88	13.9
PCB129	ug/kg	27	26	96.3	0.0332 T	15.2	1.56	0.51	3.18	0.0332 T	15.2	1.51	0.51	3.18
PCB130	ug/kg	27	26	96.3	0.0805 T	19.8	2.3	0.94	4.67	0.0805 T	19.8	2.22	0.94	4.67
PCB131	ug/kg	27	7	25.9	0.00317 J	0.0391	0.0148	0.00792 J	0.0304	0.00166 U	0.644 U	0.0284	0.008	0.05 U
PCB132 & 161	ug/kg	27	27	100	0.275	99.7	10.9	3.85 T	38.7	0.275	99.7	10.9	3.85 T	38.7
PCB133 & 142	ug/kg	27	26	96.3	0.0571 T	9.03	1.17	0.456	2.93	0.0571 T	9.03	1.13	0.456	2.93
PCB134 & 143	ug/kg	27	26	96.3	0.0581 T	18.7	2.06	0.707	6.15	0.0581 T	18.7	1.99	0.707	6.15
PCB135	ug/kg	27	26	96.3	0.268 T	47.9	5.37	1.82	15.5	0.259 U	47.9	5.17	1.82	15.5
PCB136	ug/kg	27	26	96.3	0.252 T	57	5.76	1.74	17.8	0.252 T	57	5.55	1.74	17.8
PCB137	ug/kg	27	25	92.6	0.0299 T	14.8	1.74	0.598	4.05	0.0299 T	14.8	1.62	0.512	4.05
PCB138 & 163 & 164	ug/kg	27	27	100	0.994	350	36.3	13.4	110	0.994	350	36.3	13.4	110
PCB139 & 149	ug/kg	27	27	100	1.27	328	31	10	90.1	1.27	328	31	10	90.1
PCB140	ug/kg	27	22	81.5	0.031 T	1.73	0.302	0.166	0.676	0.00247 U	1.73	0.255	0.13 U	0.676
PCB141	ug/kg	27	27	100	0.221 T	79.3	7.56	2.32	29	0.221 T	79.3	7.56	2.32	29
PCB144	ug/kg	27	26	96.3	0.0591 T	22.3	1.89	0.565	4.91	0.0591 T	22.3	1.83	0.565	4.91
PCB145	ug/kg	27	11	40.7	0.00211 J	0.172 J	0.0296	0.00807 J	0.0709	0.00166 U	0.259 U	0.0245	0.01 U	0.071
PCB146 & 165	ug/kg	27	26	96.3	0.353 T	41.8	5.97	2.14	19.5	0.259 U	41.8	5.75	2.14	19.5
PCB147	ug/kg	27	25	92.6	0.0257	6.21	0.761	0.322	1.18	0.0257	6.21	0.712	0.302	1.18
PCB148	ug/kg	27	23	85.2	0.0116 J	0.562	0.131	0.0854	0.331 J	0.0116 J	0.562	0.12	0.078	0.331 J
PCB150	ug/kg	27	23	85.2	0.0116 T	0.326 J	0.085	0.0571	0.195	0.0116 T	0.326 J	0.0811	0.05 U	0.195
PCB151	ug/kg	27	27	100	0.358	96.7	8.41	2.38	27.9	0.358	96.7	8.41	2.38	27.9
PCB152	ug/kg	27	21	77.8	0.00468 J	0.395 J	0.0461	0.0144	0.0722	0.00468 J	0.395 J	0.0451	0.014	0.13 U
PCB153	ug/kg	27	27	100	1.17	322	34.1	11.7	120	1.17	322	34.1	11.7	120
PCB154	ug/kg	27	26	96.3	0.0284	2.52	0.643	0.338	1.69	0.0284	2.52	0.624	0.338	1.69
PCB155	ug/kg	27	6	22.2	0.00265 J	0.0162	0.00738	0.00624	0.00877 J	0.00247 U	0.644 U	0.0267	0.008 U	0.05 U
PCB156	ug/kg	27	27	100	0.0809 T	32.2	3.3	1.28 T	9.74	0.0809 T	32.2	3.3	1.28 T	9.74
PCB157	ug/kg	27	26	96.3	0.0128 T	6.06	0.669	0.228	1.64	0.0128 T	6.06	0.645	0.228	1.64
PCB158 & 160	ug/kg	27	26	96.3	0.101 T	39.4	3.91	1.52	9.12	0.101 T	39.4	3.77	1.52	9.12

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB159	ug/kg	27	24	88.9	0.0161 T	3.71	0.431	0.152	0.765	0.00989 U	3.71	0.39	0.13 U	0.765
PCB166	ug/kg	27	25	92.6	0.00298 JT	1.21	0.135	0.0484	0.22	0.00298 JT	1.21	0.131	0.05 U	0.22
PCB167	ug/kg	27	27	100	0.033 T	11.6	1.26	0.509	3.72	0.033 T	11.6	1.26	0.509	3.72
PCB168	ug/kg	27	22	81.5	0.00409 JT	0.316 J	0.0576	0.0265	0.0973	0.00409 JT	0.316 J	0.0561	0.031	0.13 U
PCB169	ug/kg	27	13	48.1	0.0005 JT	0.01	0.00274	0.00178 J	0.00396 J	0.000282 U	0.0775 U	0.0035	0.002 J	0.005 U
PCB170	ug/kg	27	27	100	0.361 T	98.2	9.45	3.02	30	0.361 T	98.2	9.45	3.02	30
PCB171	ug/kg	27	26	96.3	0.105 T	27.8	2.87	0.883	8.77	0.105 T	27.8	2.77	0.883	8.77
PCB172	ug/kg	27	26	96.3	0.0624 T	16.9	1.71	0.502	4.86	0.0624 T	16.9	1.65	0.502	4.86
PCB173	ug/kg	27	25	92.6	0.00945 T	2.52	0.261	0.0766	0.872	0.00945 T	2.52	0.248	0.077	0.872
PCB174	ug/kg	27	27	100	0.319	118	11.2	3.15	28.2	0.319	118	11.2	3.15	28.2
PCB175	ug/kg	27	21	77.8	0.0201 T	5.25	0.756	0.205	1.34	0.00247 U	5.25	0.596	0.158	1.34
PCB176	ug/kg	27	26	96.3	0.0625 T	15.8	1.55	0.465	3.76	0.0625 T	15.8	1.49	0.465	3.76
PCB177	ug/kg	27	27	100	0.257 J	64.4	6.3	1.88	17	0.257 J	64.4	6.3	1.88	17
PCB178	ug/kg	27	26	96.3	0.113 T	21.7	2.29	0.78	4.91	0.113 T	21.7	2.21	0.78	4.91
PCB179	ug/kg	27	27	100	0.218 T	54.7	5.2	1.63	11.7	0.218 T	54.7	5.2	1.63	11.7
PCB180	ug/kg	27	27	100	0.923 T	255	24	6.95	61.1	0.923 T	255	24	6.95	61.1
PCB181	ug/kg	27	19	70.4	0.00883 T	2.29	0.244	0.0706	0.571 J	0.00251 UT	2.29	0.18	0.048	0.482
PCB182 & 187	ug/kg	27	27	100	0.655 T	141	13.5	4.51	30.1	0.655 T	141	13.5	4.51	30.1
PCB183	ug/kg	27	27	100	0.256 T	67.5	6.22	2	15.7	0.256 T	67.5	6.22	2	15.7
PCB184	ug/kg	27	12	44.4	0.0027 J	0.0271	0.00911	0.00562 J	0.0159	0.00247 U	0.644 U	0.0274	0.009 J	0.05 U
PCB185	ug/kg	27	26	96.3	0.0461 T	13.5	1.35	0.391	3.11	0.0461 T	13.5	1.3	0.391	3.11
PCB186	ug/kg	27	3	11.1	0.00329 J	0.0117 J	0.0088	0.0114 J	0.0114 J	0.00166 U	0.644 U	0.0262	0.006 U	0.05 U
PCB188	ug/kg	27	19	70.4	0.00258 JT	0.0512	0.0191	0.0147	0.0411	0.00247 U	0.644 U	0.0349	0.015	0.051
PCB189	ug/kg	27	25	92.6	0.0141 T	3.58	0.374	0.117	1.19	0.0141 T	3.58	0.349	0.117	1.19
PCB190	ug/kg	27	26	96.3	0.0766 T	20.9	1.97	0.624	5.4	0.0766 T	20.9	1.9	0.624	5.4
PCB191	ug/kg	27	26	96.3	0.0144 T	4.16	0.399	0.124	1.15	0.0144 T	4.16	0.389	0.13 U	1.15
PCB192	ug/kg	27	0	0						0.00166 U	0.644 U	0.0263	0.006 U	0.05 U
PCB193	ug/kg	27	26	96.3	0.0487 T	11.3	1.12	0.364	2.66	0.0487 T	11.3	1.08	0.364	2.66
PCB194	ug/kg	27	27	100	0.178 T	57.3	5.55	1.65	11.7	0.178 T	57.3	5.55	1.65	11.7
PCB195	ug/kg	27	26	96.3	0.0759 T	23.3	2.56	0.731	5.3	0.0759 T	23.3	2.47	0.731	5.3
PCB196 & 203	ug/kg	27	27	100	0.274 T	67	6.45	2.14	11.4	0.274 T	67	6.45	2.14	11.4
PCB197	ug/kg	27	25	92.6	0.01 T	2.2	0.239	0.0845	0.469	0.01 T	2.2	0.228	0.085	0.469
PCB198	ug/kg	27	25	92.6	0.0141 T	4.15	0.544	0.154	1.13	0.0141 T	4.15	0.51	0.142	1.13
PCB199	ug/kg	27	26	96.3	0.244 T	64.1	6.55	1.91	13.9	0.244 T	64.1	6.31	1.91	13.9
PCB200	ug/kg	27	26	96.3	0.0312 T	7.83	0.795	0.254	1.65	0.0312 T	7.83	0.77	0.254	1.65
PCB201	ug/kg	27	24	88.9	0.119	7.69	0.915	0.33	1.72	0.0315 UT	7.69	0.821	0.251 T	1.72
PCB202	ug/kg	27	24	88.9	0.188	12.6	1.61	0.481	4.18	0.0469 UT	12.6	1.44	0.44 T	4.18
PCB204	ug/kg	27	2	7.41	0.0186 J	0.0196 J	0.0191	0.0186 J	0.0186 J	0.00166 U	0.644 U	0.0269	0.006 U	0.05 U
PCB205	ug/kg	27	26	96.3	0.0101 T	2.61	0.257	0.0857	0.51	0.0101 T	2.61	0.253	0.089	0.51
PCB206	ug/kg	27	26	96.3	0.266	78.3	10	1.58	58.4	0.152 UT	78.3	9.64	1.58	58.4
PCB207	ug/kg	27	24	88.9	0.0357	5.41	0.749	0.168	3.67	0.0182 UT	5.41	0.672	0.142 T	3.67
PCB208	ug/kg	27	20	74.1	0.0542	32.8	4.71	0.491	22.8	0.0463 UT	32.8	3.51	0.371 T	21.3
PCB209	ug/kg	27	26	96.3	0.039	128	16.8	0.821	92.6	0.039	128	16.2	0.821	92.6
Total PCB Congeners	ug/kg	27	27	100	13.6	36800	2030	338 T	2830	13.6	36800	2030	338 T	2830
PCB Homologs														
Dichlorobiphenyl homologs	ug/kg	27	25	92.6	0.0387	2230	111	2.58	83.9	0.0387	2230	103	1.87	83.9
Heptachlorobiphenyl homologs	ug/kg	27	27	100	3.37	943	90	27.1	232	3.37	943	90	27.1	232
Hexachlorobiphenyl homologs	ug/kg	27	27	100	4.47	1670	171	58.7	538	4.47	1670	171	58.7	538
Monochlorobiphenyl homologs	ug/kg	27	26	96.3	0.0517 T	111	8.62	0.31	10.2	0.0167 U	111	8.31	0.31	10.2
Nonachlorobiphenyl homologs	ug/kg	27	26	96.3	0.269	115	14.4	2.17	83.4	0.217 UT	115	13.8	2.17	83.4
Octachlorobiphenyl homologs	ug/kg	27	27	100	0.616	248	24.7	7.42	46.7	0.616	248	24.7	7.42	46.7
Pentachlorobiphenyl homologs	ug/kg	27	27	100	3.34	4450	313	92.2	690	3.34	4450	313	92.2	690
Tetrachlorobiphenyl homologs	ug/kg	27	27	100	0.061	14200	688	69.1	456	0.061	14200	688	69.1	456

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Trichlorobiphenyl homologs	ug/kg	27	26	96.3	0.264	12700	625	17.7	352	0.259 U	12700	602	17.7	352
Dioxins/Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	182	142	78	0.01 J	5400	77.2	9.376	124.501	0.007 U	5400	60.3	5.92	96.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	182	148	81.3	0.038 J	10800	168	28.328	220 B	0.038 J	10800	137	16.93	210
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	182	111	61	0.02 J	2200	28.8	1.285	23.351	0.005 U	2200	17.6	0.316 J	16.33
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	181	130	71.8	0.014 J	22000 J	205	2.36	105.856	0.004 U	22000 J	147	0.923	64.26
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	182	100	54.9	0.017 J	16.2	0.665	0.232 J	1.7	0.003 U	16.2	0.443	0.084 J	1.17 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	182	129	70.9	0.014 J	604	11.5	1.3 JT	27.4	0.003 U	5600 UJ	23.7	0.583 J	26 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	181	138	76.2	0.008 J	171	5.26	1.331	13.8	0.004 U	171	4.03	0.853 J	10.12 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	182	54	29.7	0.011 JT	2700	52.1	0.254 J	16	0.003 U	2700	15.5	0.017 U	3.451
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	182	130	71.4	0.013 J	85.3	2.31	0.562 J	6.42	0.004 UT	85.3	1.66	0.301 JT	5.1
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	182	118	64.8	0.016 J	1240	22.1	0.603 JT	62	0.003 U	18000 U	64.8	0.318 J	50.1 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	182	90	49.5	0.023 J	58.293	1.78	0.227 J	2.02	0.004 U	58.293	0.923	0.066 U	1.34 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	182	122	67	0.021 J	1300	13.5	0.697 J	10	0.003 U	1300	9.04	0.354 JT	6.27
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	182	127	69.8	0.024 J	11000	96.9	0.581 J	38	0.003 U	11000	67.7	0.233 J	29.5
2,3,7,8-Tetrachlorodibenzofuran	pg/g	181	104	57.5	0.095 J	15000	164	1.454	84	0.004 U	15000	94.3	0.346 U	48.18
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	182	52	28.6	0.045 J	83.6	3.45	0.296 J	12.254	0.003 U	83.6	1.03	0.024 U	1.46
Total PCDD/F	pg/g	178	177	99.4	0.141 T	218000 T	2510	305 T	3920 T	0.141 T	218000 T	2500	299 T	3920 T
2,3,7,8-TCDD TEQ														
Dioxin/furan TCDD toxicity equivalent	pg/g	182	167	91.8	0.00018 T	9680 JT	72.6	1.48 T	54.7 T	0 UT	9680 JT	66.6	1.13 T	41 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	27	27	100	0.117 T	318 T	23.2	7.43 JT	48.8 T	0.117 T	318 T	23.2	7.43 JT	48.8 T
Total TCDD toxicity equivalent	pg/g	21	21	100	2.15 T	615 T	58.6	14.9 T	99.4 T	2.15 T	615 T	58.6	14.9 T	99.4 T
Dioxin/Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g	177	161	91	0.012	1850	85.3	19.534	261.723	0.006 U	1850	77.6	15.69	261.7
Heptachlorodibenzo-p-dioxin homologs	pg/g	177	175	98.9	0.089	30500	351	40.804	492	0.041 U	30500	347	39.59	492
Hexachlorodibenzofuran homologs	pg/g	178	162	91	0.014	3480	77.4	14.866	218	0.004 U	3480	70.4	11.3	218
Hexachlorodibenzo-p-dioxin homologs	pg/g	177	171	96.6	0.02	4280	47.1	6.02	64.093	0.009 U	4280	45.5	5.845	64.09
Octachlorodibenzofuran	pg/g	182	128	70.3	0.014 J	18800	272	22.259	351.1	0.008 U	18800	192	10.18	221
Octachlorodibenzo-p-dioxin	pg/g	182	146	80.2	0.241 J	183000	2070	260	2130	0.241 J	183000	1660	173.7	2072 J
Pentachlorodibenzofuran homologs	pg/g	178	150	84.3	0.01	3170	73.6	9.023	207.744	0.003 U	3170	62	6.264	185.5
Pentachlorodibenzo-p-dioxin homologs	pg/g	178	133	74.7	0.016	288	7.07	1.531	17.391	0.004 U	288	5.29	0.755	9.26
Tetrachlorodibenzofuran homologs	pg/g	177	143	80.8	0.021 T	3614.17	70.7	5.365	228.386	0.004 U	3614.17	57.1	2.97 T	150 T
Tetrachlorodibenzo-p-dioxin homologs	pg/g	177	148	83.6	0.015	185.67	4.27	0.527	7.169	0.003 U	185.67	3.58	0.371	6.748
Pesticides														
2,4'-DDD	ug/kg	848	508	59.9	0.056 NJ	19300 NJ	97.3	3.1 J	83.6 J	0.0277 U	19300 NJ	59.1	1.05 NJ	56.3 NJ
2,4'-DDE	ug/kg	848	214	25.2	0.041 J	632 NJ	10.7	1.4 J	34.8 NJ	0.0294 U	632 NJ	3.06	0.2 U	8.7 J
2,4'-DDT	ug/kg	848	372	43.9	0.077 J	4290 NJ	40.3	1.5	63.2 J	0.0389 UJ	4290 NJ	18.1	0.303 J	16 J
4,4'-DDD	ug/kg	972	715	73.6	0.093	690000 *	3330	5.9	571 NJ	0.0415 U	690000 *	2450	3	320 J*
4,4'-DDE	ug/kg	972	625	64.3	0.054 NJ	24000 *	104	4.12 J	71 *	0.0389 U	24000 *	77.1	2.32 NJ	55 UJT*
4,4'-DDT	ug/kg	953	601	63.1	0.07 J	3500000 *	11600	3.5 NJ	1060 J	0.049 UJ	3500000 *	7310	1.2	390 *
Aldrin	ug/kg	770	95	12.3	0.119 J	1340 J	30.8	1.38 NJ	92	0.0269 UJ	3800 U	13	0.105 U	20 U
alpha-Endosulfan	ug/kg	782	28	3.58	0.065 J	180 NJ	8.51	0.495 J	9.5 J	0.0248 U	3800 U	7.18	0.092 U	5.5 UJ
alpha-Hexachlorocyclohexane	ug/kg	753	75	9.96	0.074 J	120	4.23	0.552 NJ	7.37 NJ	0.0288 U	3800 U	7.24	0.115 U	5.5 UJ
beta-Endosulfan	ug/kg	782	109	13.9	0.094 J	170 J	2.78	0.372 J	2.4 NJ	0.0216 UJ	38000 U	33.2	0.09 U	5.5 UJ
beta-Hexachlorocyclohexane	ug/kg	782	337	43.1	0.057 JT	318 NJ	5.22	2.59 J	12.3 NJ	0.0291 U	3800 U	8.89	0.85 U	12.9 NJ
Chlordane (cis & trans)	ug/kg	185	14	7.57	0.27 JT	410 JT	51.7	0.44 JT	170 JT	0.27 JT	3800 UT	39.3	5 UT	160 U
Chlordane (technical)	ug/kg	5	0	0						150 U	968 U	217	225 U	225 U
cis-Chlordane	ug/kg	781	223	28.6	0.046 J	630 J	6.87	0.814 JT	20 NJ	0.0286 U	3800 UJ	8.68	0.185 U	18.5 U
cis-Nonachlor	ug/kg	682	171	25.1	0.044 J	330 NJ	5.85	0.569 J	11 NJ	0.0359 U	650 U	2.66	0.174 T	4.21 J
delta-Hexachlorocyclohexane	ug/kg	761	25	3.29	0.131 J	45.4 NJ	3.58	0.97 J	5.8	0.0615 UJ	3800 UJ	7.1	0.178 UJ	5.8
Dieldrin	ug/kg	806	35	4.34	0.17 JP	100 J	6.63	0.51 JP	15.6 NJ	0.044 UJ	7500 U	9.49	0.157 U	7.1 J
Endosulfan sulfate	ug/kg	780	7	0.897	0.227 J	290	75	3.5 NJ	130 JT	0.0635 U	7500 UJ	10.1	0.219 UJ	7.5 U
Endrin aldehyde	ug/kg	782	39	4.99	0.069 NJ	407 NJ	26.7	2.4	164 NJ	0.039 UJ	7500 U	10.8	0.134 NJ	10.05 U

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Endrin ketone	ug/kg	772	98	12.7	0.11 NJ	263 NJ	6.72	1.5	8.65 NJ	0.0253 U	7500 UJ	10.5	0.104 UJ	8.11 NJ
Endrin	ug/kg	537	103	19.2	0.12 J	311 J	17.4	2.89 NJ	74 J	0.0367 U	22000 U	36.1	0.22 U	40 U
gamma-Hexachlorocyclohexane	ug/kg	806	63	7.82	0.25	172 NJ	7.64	2.43 NJ	16.8 NJT	0.0657 U	3800 U	7.26	0.225 U	9.6
Heptachlor epoxide	ug/kg	781	58	7.43	0.14 J	110	4.77	0.83 NJ	6.3 J	0.0341 U	3800 U	7	0.134 UJT	5.5 UJ
Heptachlor	ug/kg	806	31	3.85	0.099 J	5.8 J	1.23	0.55 NJ	4.87 NJ	0.0262 U	3800 U	6.56	0.099 U	5 U
Hexachlorocyclohexanes	ug/kg	9	0	0						10 U	400 U	32.5	12.5 U	20 U
Methoxychlor	ug/kg	782	27	3.45	0.505 J	513 J	44.9	3.4	189 NJ	0.034 UJ	38000 U	33.2	0.13 UJ	13.5 U
Mirex	ug/kg	681	17	2.5	0.16 NJ	240 J	20.3	2 NJ	38 J	0.0309 U	240 J	0.732	0.099 U	0.85 U
Oxychlordane	ug/kg	680	74	10.9	0.12 NJ	339 J	8.35	1.09 J	12.7 NJ	0.0155 U	339 J	1.11	0.059 U	2.05 U
Total Chlordanes	ug/kg	682	417	61.1	0.038 JT	2330 JT	21.2	1.94 JT	53.7 JT	0.0359 UT	2330 JT	13.2	0.79 JT	31 JT
Total Endosulfan	ug/kg	782	136	17.4	0.065 JT	290 T	7.84	0.439 JT	9.5 JT	0.0393 UT	38000 UT	34.3	0.253 UJT	10.05 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	848	680	80.2	0.07 JT	95400 JT	408	14 JT	624 JT	0.049 UJT	95400 JT	327	9.2 T	431 JT
Total of 2,4' and 4,4'-DDD	ug/kg	848	634	74.8	0.079 JT	71100 JT	272	7.3 JT	282 JT	0.0415 UT	71100 JT	204	3.7 T	232 T
Total of 2,4' and 4,4'-DDE	ug/kg	848	573	67.6	0.041 JT	2830 JT	22	4.23 JT	51 JT	0.0389 UT	2830 JT	15.2	2.25 JT	38.6 JT
Total of 2,4' and 4,4'-DDT	ug/kg	848	579	68.3	0.07 JT	26300 JT	160	3.3 T	342 JT	0.0427 UT	26300 JT	110	1.18 JT	152 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	972	763	78.5	0.07 T	4764000 T	15500	11.8 JT	1270 T	0.049 UJT	4764000 T	12100	7.42 JT	939 JT
Toxaphene	ug/kg	782	1	0.128	1900 NJ	1900 NJ	1900	1900 NJ	1900 NJ	4.6 UT	380000 U	629	25.8 U	645 U
trans-Chlordane	ug/kg	778	281	36.1	0.034 NJ	1140 J	14.8	0.601 NJ	15	0.0181 U	3800 U	12.5	0.294 NJ	20 U
trans-Nonachlor	ug/kg	682	151	22.1	0.054 J	886 NJ	14.8	0.78 NJ	38 NJ	0.0312 U	886 NJ	3.76	0.125 UJ	6.62 NJ
Herbicides														
2,4,5-T	ug/kg	182	0	0						0.45 U	21 U	1.08	0.61 U	7 U
2,4-D	ug/kg	182	5	2.75	7.14	473	128	45.5 J	81.4 J	0.31 U	473	4.43	0.421 U	8.5 U
2,4-DB	ug/kg	182	1	0.549	797	797	797	797	797	0.45 U	797	5.57	0.62 U	8.5 U
Dalapon	ug/kg	182	3	1.65	6.9	16 J	11.6	12 J	12 J	0.27 U	110 U	3.16	0.368 U	34.5 U
Dicamba	ug/kg	182	1	0.549	3 J	3 J	3	3 J	3 J	0.97 U	42 U	2.25	1.32 U	13.5 U
Dichloroprop	ug/kg	182	0	0						0.49 U	21 U	1.14	0.665 U	7 U
Dinoseb	ug/kg	182	0	0						0.62 U	21 U	1.29	0.84 U	7 U
MCPA	ug/kg	182	3	1.65	1.58	144	52.6	12.1 J	12.1 J	0.65 U	480 U	4.41	0.895 U	8.5 U
MCPP	ug/kg	182	3	1.65	1.62	3000 J	1010	37.2	37.2	0.6 U	3100 U	26.4	0.815 U	8.5 U
Silvex	ug/kg	182	1	0.549	2.25 J	2.25 J	2.25	2.25 J	2.25 J	0.45 U	21 U	1.09	0.61 U	7 U
Polycyclic Aromatic Hydrocarbons														
1,6,7-Trimethylnaphthalene	ug/kg	166	89	53.6	0.25 J	260	38	18	130	0.25 J	260	21.5	2.5 U	120
1-Methylnaphthalene	ug/kg	167	89	53.3	0.31 J	870	45.7	13	120	0.31 J	870	25.5	2.5 U	95
1-Methylphenanthrene	ug/kg	166	103	62	0.15 J	380	47.7	23	180	0.15 J	380	30.5	2.5 U	150
2,6-Dimethylnaphthalene	ug/kg	166	91	54.8	0.15 J	510	38.6	17	130	0.15 J	510	22.3	2.5 U	80
2-Methylnaphthalene	ug/kg	1057	861	81.5	0.3 J	3800000	13100	19	1600	0.3 J	3800000	10700	12	1200
Acenaphthene	ug/kg	1090	876	80.4	0.19 J	3900000	14500	38	9300	0.18 U	3900000	11700	22	5900
Acenaphthylene	ug/kg	1090	841	77.2	0.2 G	1500000 J	4730	17	700	0.2 G	1500000 J	3670	10	610
Anthracene	ug/kg	1090	902	82.8	0.22 J	1300000	7100	42	9400	0.22 J	1300000	5890	27	5900
Benzo(a)anthracene	ug/kg	1090	968	88.8	0.17 J	760000	4510	97	9900	0.17 J	760000	4010	70	8100
Benzo(a)pyrene	ug/kg	1090	951	87.2	0.16 J	940000	5530	120	12000	0.16 J	940000	4830	81	9600
Benzo(b)fluoranthene	ug/kg	1090	958	87.9	0.19 J	590000 J	4120	110	9900	0.19 J	590000 J	3620	74	7600
Benzo(b+k)fluoranthene	ug/kg	419	353	84.2	0.21 T	157000 T	2990	182 T	15200 T	0.21 T	157000 T	2530	112 T	13100 T
Benzo(e)pyrene	ug/kg	166	126	75.9	0.18 J	9000	386	57	1700	0.18 J	9000	294	6.4	690 J
Benzo(g,h,i)perylene	ug/kg	1090	958	87.9	0.15 J	730000	4150	97	9900	0.15 J	730000	3650	68	7300
Benzo(k)fluoranthene	ug/kg	1090	930	85.3	0.19 J	540000	2640	71	6000	0.19 J	540000	2260	47	4700
Chrysene	ug/kg	1090	961	88.2	0.17 J	980000	5610	140	12000	0.17 J	980000	4950	95	9800
Dibenzo(a,h)anthracene	ug/kg	1090	815	74.8	0.22 J	67000	541	21	1500	0.22 J	67000	420	11	1100 J
Fluoranthene	ug/kg	1090	971	89.1	0.24 J	3500000	18600	240	30000	0.24 J	3500000	16600	170	24000
Fluorene	ug/kg	1090	871	79.9	0.22 J	1500000	7410	32	6000 J	0.21 U	1500000	5940	17	4100
High Molecular Weight PAH	ug/kg	1090	1030	94.5	0.15 JT	13400000 T	67900	1110 T	118000 T	0.15 JT	13400000 T	64200	911 T	1E+05 T
Indeno(1,2,3-cd)pyrene	ug/kg	1090	937	86	0.18 J	610000	3890	96	11000	0.18 J	610000	3350	63	7900
Low Molecular Weight PAH	ug/kg	1090	1001	91.8	0.22 JT	39900000 T	152000	333 T	63500 T	0.22 JT	39900000 T	139000	255 T	43100 T

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Naphthalene	ug/kg	1132	770	68	0.27 J	20000000	98300	61	2300	0.27 J	20000000	66900	25	1600
Perylene	ug/kg	166	146	88	0.26 J	3800	197	82	590	0.26 J	3800	173	62	510
Phenanthrene	ug/kg	1090	967	88.7	0.24 J	8500000	36700	170	41000	0.24 J	8500000	32500	120	26000
Pyrene	ug/kg	1090	988	90.6	0.15 J	4700000	22700	270	32000	0.15 J	4700000	20600	200	25000
Total PAHs	ug/kg	1090	1042	95.6	0.15 JT	53300000 T	213000	1450 T	190000 T	0.15 JT	53300000 T	203000	1255 T	1E+05 JT
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	1067	377	35.3	2.4 J	18000	460	98	1500	2 U	21500 U	232	27 U	820
Butylbenzyl phthalate	ug/kg	1064	213	20	2.3 J	650	32.9	11 J	160	1.7 U	4000 U	35.3	5.6 JT	80 U
Dibutyl phthalate	ug/kg	1067	269	25.2	3.4 J	3200 J	42.7	7.3 J	91	3 U	10800 U	53.6	7.2 J	115 U
Diethyl phthalate	ug/kg	1064	29	2.73	3 J	420	45.6	11 J	110	3 J	8800 U	45.3	6 U	90 U
Dimethyl phthalate	ug/kg	1064	22	2.07	0.5 J	5100 J	298	14 J	220	0.5 J	5100 J	37.1	3.75 U	55 U
Di-n-octyl phthalate	ug/kg	1064	28	2.63	3.1 J	3180	195	18	480 J	1.4 U	12000 U	38.8	4 U	60 U
Semivolatile Ogranic Compounds														
1,2,4-Trichlorobenzene	ug/kg	827	12	1.45	2.6 JT	530	82.6	39	150	1.7 U	3800 U	17.4	2.1 U	37.5 U
1,2-Dichlorobenzene	ug/kg	847	24	2.83	2.5 J	210	28.8	8.5 J	91	1 U	3300 U	14.9	2.05 U	32.5 U
1,3-Dichlorobenzene	ug/kg	847	5	0.59	3.3 J	56 J	20.2	12	25 J	1 U	4000 U	16.8	2.35 U	32 U
1,4-Dichlorobenzene	ug/kg	890	43	4.83	0.42 J	240	21.3	7.3 J	34	0.14 U	4800 U	12.4	1.45 U	20 J
2,4-Dinitrotoluene	ug/kg	806	2	0.248	11 J	2100	1060	11 J	11 J	3.1 U	21500 U	68.7	4 U	115 U
2,6-Dinitrotoluene	ug/kg	807	0	0						3.1 U	7000 U	42.8	4 U	115 U
2-Chloronaphthalene	ug/kg	808	1	0.124	41	41	41	41	41	2.8 U	9000 U	41.1	4.5 U	90 U
2-Nitroaniline	ug/kg	807	0	0						3 U	6800 U	39.8	3.85 U	115 U
3,3'-Dichlorobenzidine	ug/kg	797	0	0						4.1 U	10800 U	66.4	6 U	165 UJ
3-Nitroaniline	ug/kg	807	0	0						2.9 U	12000 U	59	3.7 U	130 U
4-Bromophenyl phenyl ether	ug/kg	807	0	0						1.6 U	3550 U	20.7	2 U	36.5 U
4-Chloroaniline	ug/kg	807	3	0.372	2.9 J	10 J	5.83	4.6 J	4.6 J	2.3 U	21500 U	56.7	3.05 U	70 U
4-Chlorophenyl phenyl ether	ug/kg	807	0	0						2.2 U	5000 U	26.2	2.85 U	50 U
4-Nitroaniline	ug/kg	806	1	0.124	30	30	30	30	30	3.7 U	8500 U	49.8	4.9 U	120 U
Aniline	ug/kg	673	31	4.61	2.6 J	320	31.2	14 J	54	1.7 U	3800 U	17.8	2 UJ	37.5 UJ
Azobenzene	ug/kg	734	0	0						2.7 U	6000 U	24.7	2.45 U	43 U
Benzoic acid	ug/kg	821	52	6.33	8.7 J	2600	444	380	980	8.7 J	240000 U	1030	125 U	2500 U
Benzyl alcohol	ug/kg	853	35	4.1	5.6 J	3700	126	10	110	4.1 U	9300 U	50.7	6 U	150 U
Bis(2-chloro-1-methylethyl) ether	ug/kg	57	0	0						10 U	910 U	20.8	9.5 U	55 U
Bis(2-chloroethoxy) methane	ug/kg	807	0	0						1.5 U	3550 U	20.2	1.85 U	32.5 U
Bis(2-chloroethyl) ether	ug/kg	807	0	0						2.7 U	6000 U	31.5	3.45 U	60 U
Bis(2-chloroisopropyl) ether	ug/kg	750	0	0						1.4 U	3550 U	18.6	1.3 U	30 U
Carbazole	ug/kg	788	448	56.9	1 J	520000	4380	16 J	4700	1 J	520000	2490	6.5 U	900
Dibenzofuran	ug/kg	912	731	80.2	0.22 J	230000	1360	12 J	1800	0.19 U	230000	1110	8.3	1300
Diphenyl	ug/kg	166	78	47	0.29 J	67	13.2	9.1	39	0.29 J	67	7.52	2.5 U	27
Hexachlorobenzene	ug/kg	871	166	19.1	0.066 J	14000	99.1	1.12 J	36.1 J	0.0162 U	14000	44.7	1.4 U	50 UG
Hexachlorobutadiene	ug/kg	873	58	6.64	0.081 J	34000	1050	1.33 J	106 JT	0.0297 U	34000	101	0.178 U	19.5 U
Hexachlorocyclopentadiene	ug/kg	796	0	0						12 U	38000 U	177	20 U	375 U
Hexachloroethane	ug/kg	851	90	10.6	0.2 J	20000	236	1.1 J	95	0.0439 UJ	20000	44.9	0.193 U	20 U
Isophorone	ug/kg	807	1	0.124	43	43	43	43	43	1.8 U	4000 U	22.5	2.3 U	40 U
Nitrobenzene	ug/kg	807	0	0						2.2 U	5000 U	26.2	2.85 U	50 U
N-Nitrosodimethylamine	ug/kg	733	0	0						6.7 U	16000 U	63.4	6.5 U	110 U
N-Nitrosodiphenylamine	ug/kg	853	55	6.45	4.1 J	560 J	74.7	26 J	240	2.4 U	5500 U	39.8	3.6 U	120 U
N-Nitrosodipropylamine	ug/kg	807	0	0						3.5 U	8000 U	39	4.55 U	80 U
Retene	ug/kg	1	1	100	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	736	42	5.71	0.76 J	1100 J	58.4	2.8 J	70 J	0.49 U	1100 J	5.09	0.48 U	6.5 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	498	43	8.63	0.76 J	1000	55.3	2.5 J	52	0.4 U	1000	5.28	0.305 UT	3.6 J
2,3,5,6-Tetrachlorophenol	ug/kg	238	2	0.84	33 NJ	450	242	33 NJ	33 NJ	0.48 U	450	4.08	0.37 U	5 U
2,4,5-Trichlorophenol	ug/kg	851	41	4.82	0.48 J	200 J	13	3.3 J	38	0.32 U	4500 U	17.6	0.285 U	48.5 U

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,4,6-Trichlorophenol	ug/kg	851	64	7.52	0.76 J	1400	65.1	3.1 J	80	0.29 U	4500 U	21.2	0.305 U	49 U
2,4-Dichlorophenol	ug/kg	852	17	2	4.7 JT	140	32.6	21	64	2 U	5900 U	32.9	3 U	75 U
2,4-Dimethylphenol	ug/kg	735	0	0						6 U	14000 U	89.7	9.5 U	215 U
2,4-Dinitrophenol	ug/kg	840	1	0.119	18 J	18 J	18	18 J	18 J	12 U	90000 U	371	55 UJ	825 U
2-Chlorophenol	ug/kg	852	14	1.64	4.2 J	93	21.8	13 J	51	1.9 U	4300 U	25.5	2.8 U	42.5 U
2-Methylphenol	ug/kg	897	3	0.334	6.4 J	12 JT	9.47	10	10	3.7 U	12000 U	49.5	5.5 U	150 U
2-Nitrophenol	ug/kg	843	0	0						2.9 U	6500 U	38.9	4.05 U	85 U
3- and 4-Methylphenol Coelution	ug/kg	32	15	46.9	4.8 J	300	71.9	29	190	4.8 J	12000 U	384	100 U	825 U
4,6-Dinitro-2-methylphenol	ug/kg	851	0	0						1.9 U	12000 U	59.5	2.7 U	100 U
4-Chloro-3-methylphenol	ug/kg	852	7	0.822	4.4 J	32 J	11.7	6.8 J	18 JT	2.3 U	5300 U	30.3	3.5 U	55 U
4-Methylphenol	ug/kg	862	464	53.8	3.6 J	800	66.8	35 J	230	3.2 U	7300 U	75.6	23 U	240 U
4-Nitrophenol	ug/kg	850	2	0.235	5.2	600 J	303	5.2	5.2	0.36 U	75000 U	273	28 U	550 U
Pentachlorophenol	ug/kg	892	234	26.2	0.78 NJ	5600	44.5	4.1 J	51	0.43 U	18000 U	91.8	1.105 U	71
Phenol	ug/kg	898	252	28.1	2.4 J	300	23.6	11 J	82	2.2 U	4800 U	46.5	8 U	95 U
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	388	0	0						0.035 U	7800 U	24.9	0.025 U	5.5 U
1,1,1-Trichloroethane	ug/kg	390	0	0						0.067 U	7800 U	25.8	0.047 U	5.5 U
1,1,2,2-Tetrachloroethane	ug/kg	390	14	3.59	0.18 J	8.7	2.03	0.73 J	7.3	0.11 U	9700 U	31.9	0.08 U	11.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	2	0	0						7.9 U	800 U	202	3.95 U	3.95 U
1,1,2-Trichloroethane	ug/kg	390	0	0						0.067 U	7000 U	23.3	0.047 U	5.5 U
1,1-Dichloroethane	ug/kg	390	15	3.85	0.095 JT	0.59 J	0.304	0.31 J	0.54 J	0.064 U	6400 U	21.4	0.046 U	5.5 U
1,1-Dichloroethene	ug/kg	390	0	0						0.092 U	8400 U	27.7	0.065 U	5.5 U
1,1-Dichloropropene	ug/kg	9	0	0						5 U	50 U	6.39	4.5 U	5.5 U
1,2,3-Trichlorobenzene	ug/kg	11	0	0						20 U	3200 U	168	18.5 U	100 U
1,2,3-Trichloropropane	ug/kg	388	5	1.29	0.38 J	3.7	1.53	0.88 J	1.9	0.13 U	15000 U	47.5	0.09 U	5.5 U
1,2,4-Trimethylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
1,2-Dibromo-3-chloropropane	ug/kg	11	0	0						20 U	3200 U	168	18.5 U	100 U
1,2-Dichloroethane	ug/kg	390	4	1.03	0.055 J	0.22 J	0.134	0.11 J	0.15 J	0.035 U	8000 U	26.5	0.025 U	5.5 U
1,2-Dichloropropane	ug/kg	390	0	0						0.04 U	8700 U	28.6	0.028 U	5.5 U
1,3,5-Trimethylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
1,3-Dichloropropane	ug/kg	9	0	0						5 U	50 U	6.39	4.5 U	5.5 U
1,4-Dichloro-trans-2-butene	ug/kg	375	0	0						0.58 U	42000 U	125	0.4 U	0.55 U
2,2-Dichloropropane	ug/kg	9	0	0						5 U	50 U	6.39	4.5 U	5.5 U
2-Chloroethyl vinyl ether	ug/kg	378	0	0						0.17 U	7900 UJ	25.8	0.12 U	0.55 U
2-Chlorotoluene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
4-Chlorotoluene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
Acetone	ug/kg	366	98	26.8	3.6 J	220	34.3	26	100	2.1 U	35000 UJ	112	11 U	51
Acrolein	ug/kg	19	3	15.8	0.84 J	1.4 J	1.03	0.86 J	0.86 J	0.63 U	1.4 J	0.522	0.455 U	0.86 J
Acrylonitrile	ug/kg	366	0	0						0.26 U	12000 U	39	0.18 U	0.255 UJ
Benzene	ug/kg	418	167	40	0.03 J	270000	4090	0.18 JT	1700	0.01 U	270000	1640	0.067 JT	46
Bromobenzene	ug/kg	9	0	0						5 U	50 U	6.39	4.5 U	5.5 U
Bromochloromethane	ug/kg	390	0	0						0.068 U	8900 U	29.1	0.048 U	5.5 U
Bromodichloromethane	ug/kg	390	0	0						0.077 U	6000 U	20.1	0.055 U	5.5 U
Bromoform	ug/kg	390	0	0						0.052 U	20000 U	63.1	0.037 U	5.5 U
Bromomethane	ug/kg	390	0	0						0.42 U	16000 U	51.5	0.295 U	5.5 U
BTEX	ug/kg	406	207	51	0.062 JT	850000 T	10700	0.386 JT	5560 JT	0.062 JT	850000 T	5460	0.155 UT	535.9 JT
Carbon disulfide	ug/kg	390	76	19.5	0.18 J	850	12.1	0.3 J	1.2	0.15 U	12000 U	39.9	0.11 U	13.5 U
Carbon tetrachloride	ug/kg	390	0	0						0.12 U	8600 U	28.4	0.08 U	5.5 U
Chlorobenzene	ug/kg	390	55	14.1	0.14 J	18000	588	0.76 J	1900	0.079 U	18000	105	0.06 U	9 U
Chlorodibromomethane	ug/kg	390	0	0						0.077 U	5800 U	19.3	0.055 U	5.5 U
Chloroethane	ug/kg	390	1	0.256	0.9	0.9	0.9	0.9	0.9	0.32 U	13000 U	40.6	0.22 U	5.5 U
Chloroform	ug/kg	390	21	5.38	0.078 J	140	27.4	0.71 J	120 J	0.063 U	6700 U	23.8	0.045 U	9.5 U
Chloromethane	ug/kg	390	4	1.03	0.38 J	3.7	1.35	0.47 J	0.86	0.22 U	9600 U	31.4	0.15 U	5.5 U

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
cis-1,2-Dichloroethene	ug/kg	11	0	0						5 U	800 U	42	4.5 U	25 U
cis-1,3-Dichloropropene	ug/kg	390	0	0						0.035 U	5700 U	19.2	0.025 U	5.5 U
Dichlorodifluoromethane	ug/kg	390	0	0						0.13 U	12000 U	38.3	0.09 U	5.5 U
Ethylbenzene	ug/kg	418	66	15.8	0.05 J	140000	7200	4.3	28000	0.009 U	140000	1140	0.06 U	260
Ethylene dibromide	ug/kg	388	0	0						0.058 U	5100 U	16.8	0.04 U	10 U
Hexahydrobenzene	ug/kg	2	0	0						7.9 U	1600 U	402	3.95 U	3.95 U
Isopropylbenzene	ug/kg	390	99	25.4	0.063 J	19000 J	535	1.7	2900 J	0.05 U	19000 J	137	0.038 U	170
m,p-Xylene	ug/kg	418	69	16.5	0.05 J	200000	6740	1.8	24000	0.02 U	200000	1110	0.11 U	31
Methyl acetate	ug/kg	2	0	0						7.9 U	1600 U	402	3.95 U	3.95 U
Methyl iodide	ug/kg	379	1	0.264	7100 J	7100 J	7100	7100 J	7100 J	0.76 U	16000 UJ	63.4	0.55 U	0.8 UJ
Methyl isobutyl ketone	ug/kg	352	9	2.56	0.36 JT	2.1	1.21	1 J	1.9	0.27 U	32000 U	52.8	0.19 U	0.25 U
Methyl n-butyl ketone	ug/kg	360	2	0.556	6.2	9.3	7.75	6.2	6.2	0.72 U	32000 U	45.7	0.5 U	0.7 U
Methyl tert-butyl ether	ug/kg	381	93	24.4	0.074 J	14	0.477	0.23 J	1.1	0.044 U	5200 U	18	0.035 UT	3.95 U
Methylcyclohexane	ug/kg	2	0	0						7.9 U	1600 U	402	3.95 U	3.95 U
Methylene bromide	ug/kg	388	0	0						0.092 U	6900 U	22	0.065 U	5.5 U
Methylene chloride	ug/kg	390	15	3.85	0.88 J	290 J	24.3	2.2 J	37 J	0.38 U	14000 U	49.5	1.25 U	16 U
Methylethyl ketone	ug/kg	215	212	98.6	1.5 J	49 J	5.63	4.1 J	13 J	1.5 J	32000 U	80	4.1 J	14 J
Methylisopropylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
n-Butylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
n-Propylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
o-Xylene	ug/kg	418	102	24.4	0.04 J	80000	2080	0.72 J	7400	0.008 U	80000	507	0.07 U	77 J
Sec-butylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
Styrene	ug/kg	390	12	3.08	0.13 J	22000	1830	0.16 J	0.26 JT	0.083 U	22000	77.2	0.065 U	5.5 U
tert-Butylbenzene	ug/kg	9	0	0						20 U	200 U	25.5	18.5 U	22.5 U
Tetrachloroethene	ug/kg	408	20	4.9	0.23 J	4.1	1.07	0.47 J	4	0.11 U	7700 U	24.5	0.08 U	5.5 U
Toluene	ug/kg	418	58	13.9	0.03 J	190000	6570	2.2	35000	0.01 U	190000	913	0.13 U	20
trans-1,2-Dichloroethene	ug/kg	390	1	0.256	0.44 J	0.44 J	0.44	0.44 J	0.44 J	0.22 U	9800 U	32.1	0.15 U	5.5 U
trans-1,3-Dichloropropene	ug/kg	390	0	0						0.05 U	6100 U	20.3	0.035 U	5.5 U
Trichloroethene	ug/kg	408	98	24	0.11 J	1900000	22400	0.51 J	1.6	0.07 U	1900000	5430	0.06 U	5.5 U
Trichlorofluoromethane	ug/kg	390	0	0						0.091 U	9200 U	30.3	0.065 U	5.5 U
Vinyl acetate	ug/kg	93	0	0						0.44 U	0.72 U	0.286	0.285 U	0.35 U
Vinyl chloride	ug/kg	390	11	2.82	0.14 J	4000 J	364	0.4 J	2.8	0.096 U	15000 U	55.5	0.07 U	5.5 U
Xylene	ug/kg	418	114	27.3	0.04 JT	280000 T	5940	0.9 JT	27400 T	0.02 UT	280000 T	1620	0.115 UT	86 T
Petroleum														
Diesel Range Hydrocarbons	mg/kg	724	549	75.8	5 J	190000 J	1500	220 J	3400 J	3.9 UT	190000 J	1140	150 J	2700 J
Gasoline Range Hydrocarbons	mg/kg	783	214	27.3	1.3 J	21000 J	336	20 J	670 J	1.2 U	21000 J	93.2	1.7 U	57 J
Heavy oil	mg/kg	6	0	0						25 U	100 U	35.4	25 U	50 U
Jet fuel A	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
JP-4 jet fuel	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Kerosene	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Lube Oil	mg/kg	4	1	25	79	79	79	79	79	79	100 U	57.3	50 U	50 U
Mineral spirits	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Motor oil	mg/kg	3	3	100	170 Z	1430 JT	630	290 Z	290 Z	170 Z	1430 JT	630	290 Z	290 Z
Naphtha distillate	mg/kg	1	0	0						10 U	10 U	5	5 U	5 U
Pencil pitch	mg/kg	16	16	100	21	2300	703	385	2000	21	2300	703	385	2000
Phytane	mg/kg	3	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Pristane	mg/kg	3	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Residual Range Hydrocarbons	mg/kg	712	579	81.3	5.9 J	110000 J	1280	550 J	3200 J	4 UT	110000 J	1050	400 J	2600 J
Total Petroleum Hydrocarbons	mg/kg	718	605	84.3	3 JT	321000 JT	2700	710 JT	6820 JT	3 JT	321000 JT	2280	550 JT	5160 JT
Atterberg Limits														
Liquid Limit	percent	13	13	100	30.8	39.8	36.4	36.7	39.6	30.8	39.8	36.4	36.7	39.6
Plastic Limit	percent	20	20	100	25.8		30.5	31.9		25.8		30.5	31.9	
Plasticity Index	percent	13	13	100	4.6	9.1	5.87	5.7	7.6	4.6	9.1	5.87	5.7	7.6

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Table C1-2. Summary Statistics for All Analytes, Subsurface Sediment, Study Area (≤ 13ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Aroclors														
Aroclor 1016	µg/kg	9	0	0						3.8 U	100 U	47.6	10 U	100 U
Aroclor 1221	µg/kg	9	0	0						2.53 U	100 U	49.5	20 U	100 U
Aroclor 1232	µg/kg	9	0	0						3.8 U	100 U	47.3	10 U	100 U
Aroclor 1242	µg/kg	9	0	0						3.16 U	100 U	47.2	10 U	100 U
Aroclor 1248	µg/kg	9	1	11.1	32.6	32.6	32.6	32.6	32.6	3.8 U	100 U	50.5	32.6	100 U
Aroclor 1254	µg/kg	9	2	22.2	5.6	18.7	12.2	5.6	5.6	3.8 U	100 U	49.1	18.7	100 U
Aroclor 1260	µg/kg	9	2	22.2	3.5 J	13.4	8.45	3.5 J	3.5 J	3.5 J	100 U	48.3	13.4	100 U
Aroclor 1262	µg/kg	1	0	0						3.5 U	3.5 U	3.5	3.5 U	3.5 U
Aroclor 1268	µg/kg	1	0	0						3.5 U	3.5 U	3.5	3.5 U	3.5 U
Total PCB Aroclors	µg/kg	9	2	22.2	9.1 JT	64.7 T	36.9	9.1 JT	9.1 JT	7.7 UT	100 UT	56.6	64.7 T	100 UT
Butyltins														
Butyltin ion	µg/kg	1	0	0						1 U	1 U	1	1 U	1 U
Dibutyltin ion	µg/kg	1	1	100	0.8 J	0.8 J	0.8	0.8 J	0.8 J	0.8 J	0.8 J	0.8	0.8 J	0.8 J
Tetrabutyltin	µg/kg	1	0	0						3 U	3 U	3	3 U	3 U
Tributyltin ion	µg/kg	1	1	100	0.7 J	0.7 J	0.7	0.7 J	0.7 J	0.7 J	0.7 J	0.7	0.7 J	0.7 J
Tributyltin	µg/kg	1	1	100	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37	7.37
Conventionals														
Total organic carbon	percent	16	16	100	0.0445	18.9	1.72	0.16	2.45	0.0445	18.9	1.72	0.16	2.45
Total solids	percent	11	11	100	64	97.6	82.9	89.4	95.4	64	97.6	82.9	89.4	95.4
Grainsize														
>10 Phi clay	percent	3	3	100	0.04	0.31	0.147	0.09	0.09	0.04	0.31	0.147	0.09	0.09
8-9 Phi clay	percent	3	3	100	0.02	0.26	0.1	0.02	0.02	0.02	0.26	0.1	0.02	0.02
9-10 Phi clay	percent	3	2	66.7	0.05	0.24	0.145	0.05	0.05	0.01 U	0.24	0.1	0.05	0.05
Clay	percent	5	5	100	0.033	0.25	0.185	0.22	0.24	0.033	0.25	0.185	0.22	0.24
Coarse sand	percent	4	4	100	19.4	31	24.1	19.8	26.3	19.4	31	24.1	19.8	26.3
Coarse silt	percent	3	3	100	0.47	3.86	1.67	0.67	0.67	0.47	3.86	1.67	0.67	0.67
Fine sand	percent	4	4	100	5.22	9.3	7.42	6.97	8.2	5.22	9.3	7.42	6.97	8.2
Fine silt	percent	3	3	100	0.02	1.17	0.443	0.14	0.14	0.02	1.17	0.443	0.14	0.14
Fines	percent	8	8	100	0.083	7.41 T	1.8	0.87 T	2.43 T	0.083	7.41 T	1.8	0.87 T	2.43 T
Gravel	percent	8	8	100	0.12	4.3	1.53	1.58	1.69	0.12	4.3	1.53	1.58	1.69
Medium sand	percent	4	4	100	51.4	70	60.8	55.5	66.1	51.4	70	60.8	55.5	66.1
Medium silt	percent	3	3	100	0.02	1.17	0.423	0.08	0.08	0.02	1.17	0.423	0.08	0.08
Sand	percent	4	4	100	94.7	99.7	97.7	97.2	99.2	94.7	99.7	97.7	97.2	99.2
Silt	percent	5	5	100	0.05	2.21	0.884	0.68	1	0.05	2.21	0.884	0.68	1
Very coarse sand	percent	4	4	100	1.53	4.91	2.55	1.75	1.99	1.53	4.91	2.55	1.75	1.99
Very fine sand	percent	4	4	100	0.19	3.71	1.2	0.41	0.47	0.19	3.71	1.2	0.41	0.47
Very fine silt	percent	3	3	100	0.02	0.4	0.153	0.04	0.04	0.02	0.4	0.153	0.04	0.04
Herbicides														
2,4,5-T	µg/kg	8	0	0						0.308 U	4.1 U	2.39	1.6 UJ	4.08 U
2,4-D	µg/kg	8	0	0						0.262 U	6.5 UJ	3.9	3.46 U	6.3 UJ
2,4-DB	µg/kg	8	0	0						0.189 U	82 U	21.7	2.5 U	52 U
Dalapon	µg/kg	8	0	0						0.151 U	16 UJ	6.76	2 U	16 U
Dicamba	µg/kg	8	0	0						0.154 U	3.2 U	2.09	2.05 U	3.2 UJ
Dichloroprop	µg/kg	8	0	0						0.249 U	19 UJ	5.43	3.3 U	6.5 UJ
Dinoseb	µg/kg	8	0	0						0.216 U	3.2 UJ	2.45	2.86 U	3.2 U
MCPA	µg/kg	8	0	0						0.295 U	3200 U	1190	3.91 U	3200 U
MCPP	µg/kg	8	0	0						0.132 U	3200 U	1190	1.74 U	3200 U
Silvex	µg/kg	8	0	0						0.252 U	3.35 U	2.06	1.6 UJ	3.33 U
Metals														
Aluminum	mg/kg	11	11	100	4920	17900	10500	10800	15300	4920	17900	10500	10800	15300

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Antimony	mg/kg	16	10	62.5	0.2	12.4	3.62	1.03 J	9.91	0.2	12.4	5.86	4.92	10 U
Arsenic	mg/kg	18	18	100	1.1	61.9	12.6	3	54.8	1.1	61.9	12.6	3	54.8
Barium	mg/kg	2	2	100	113	286	200	113	113	113	286	200	113	113
Beryllium	mg/kg	8	2	25	0.42	0.451	0.436	0.42	0.42	0.3 U	1 U	0.771	1 U	1 U
Cadmium	mg/kg	18	8	44.4	0.04	46.2	6.07	0.0638 J	1.02	0.00694 U	46.2	3.18	0.709 U	2 U
Calcium	mg/kg	1	1	100	5120	5120	5120	5120	5120	5120	5120	5120	5120	5120
Chromium	mg/kg	18	18	100	8	184	44.8	23	166	8	184	44.8	23	166
Cobalt	mg/kg	1	1	100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Copper	mg/kg	18	18	100	14.4	620 B	131	37.2	586	14.4	620 B	131	37.2	586
Iron	mg/kg	1	1	100	29200	29200	29200	29200	29200	29200	29200	29200	29200	29200
Lead	mg/kg	18	14	77.8	4.7	936	145	38.5 B	516 B	4.7	936	117	23.2 B	516 B
Magnesium	mg/kg	1	1	100	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080
Manganese	mg/kg	2	2	100	430	4160	2300	430	430	430	4160	2300	430	430
Mercury	mg/kg	18	10	55.6	0.0113 J	0.769	0.156	0.08	0.18	0.0103 U	0.769	0.148	0.09	0.2 U
Nickel	mg/kg	18	18	100	12	179 B	34	20.3 B	61.9	12	179 B	34	20.3 B	61.9
Potassium	mg/kg	1	1	100	716	716	716	716	716	716	716	716	716	716
Selenium	mg/kg	18	1	5.56	0.665	0.665	0.665	0.665	0.665	0.0796 U	1.18 U	0.595	0.5 U	1 U
Silver	mg/kg	18	9	50	0.05	2.22	0.622	0.547	0.876 B	0.02 UJ	2.22	0.914	0.569 B	2 U
Sodium	mg/kg	1	1	100	506	506	506	506	506	506	506	506	506	506
Thallium	mg/kg	7	1	14.3	0.07	0.07	0.07	0.07	0.07	0.07	1 U	0.753	1 U	1 U
Vanadium	mg/kg	1	1	100	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
Zinc	mg/kg	18	18	100	55	2850	495	86.3 B	2650 B	55	2850	495	86.3 B	2650 B
PAHs														
1-Methylnaphthalene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
2-Methylnaphthalene	µg/kg	22	5	22.7	2 J	309 J	85.6	5.48	108 J	2 J	500 U	142	19 U	500 U
Acenaphthene	µg/kg	22	4	18.2	4.98	104 J	36.7	8.85	29	4.98	500 U	126	19 U	500 U
Acenaphthylene	µg/kg	22	5	22.7	6 J	503 J	135	17.5	139 J	5 U	503 J	140	19 U	500 U
Anthracene	µg/kg	22	7	31.8	5	302 J	60.9	26.4 J	29.6	5	500 U	136	19 U	500 U
Benzo(a)anthracene	µg/kg	22	14	63.6	6.2 JT	386 J	73	18 T	168	6.2 JT	500 U	159	68	500 U
Benzo(a)pyrene	µg/kg	22	14	63.6	6.4 T	533 J	84.1	15	196	6.4 T	533 J	167	59.2	500 U
Benzo(b)fluoranthene	µg/kg	15	10	66.7	9.7 T	340	69.3	13.7	170 J	9.7 T	500 U	167	30 J	500 U
Benzo(b+k)fluoranthene	µg/kg	16	10	62.5	25 T	3450 J	569	118	1190 J	10 UT	3450 J	485	225 T	1190 J
Benzo(g,h,i)perylene	µg/kg	22	16	72.7	6.5 J	492 J	76.2	23 JT	200	6.5 J	500 U	162	44	500 U
Benzo(k)fluoranthene	µg/kg	15	9	60	9.4 T	64	23.5	13.4 J	55	9.4 T	500 U	157	20.5 J	500 U
C1-Chrysene	µg/kg	1	1	100	25	25	25	25	25	25	25	25	25	25
C1-Dibenzothiophene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C1-Fluoranthene/pyrene	µg/kg	1	1	100	30	30	30	30	30	30	30	30	30	30
C1-Fluorene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C1-Phenanthrene/anthracene	µg/kg	1	1	100	14	14	14	14	14	14	14	14	14	14
C2-Chrysene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C2-Dibenzothiophene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C2-Fluorene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C2-Naphthalene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C2-Phenanthrene/anthracene	µg/kg	1	1	100	11	11	11	11	11	11	11	11	11	11
C3-Chrysene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C3-Dibenzothiophene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C3-Fluorene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C3-Naphthalene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C3-Phenanthrene/anthracene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C4-Chrysene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
C4-Naphthalene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
C4-Phenanthrene/anthracene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
Chrysene	µg/kg	22	15	68.2	9.1 JT	808 J	124	51.4	350	9.1 JT	808 J	183	82.9	500 U
Dibenzo(a,h)anthracene	µg/kg	22	7	31.8	2.5 JT	382 J	70.5	16.8	47.1	1.9 UT	500 U	137	13.4 U	500 U
Dibenzothiophene	µg/kg	1	0	0						5 U	5 U	5	5 U	5 U
Fluoranthene	µg/kg	22	15	68.2	11.5 J	1750 J	285	104	811 J	11.5 J	1750 J	284	132 UJ	590
Fluorene	µg/kg	22	5	22.7	6.29	127 J	32.9	9.02 J	16	5 U	500 U	126	19 U	500 U
High Molecular Weight PAH	µg/kg	22	18	81.8	25.5 JT	7510 JT	1220	319 JT	5660 JT	25.5 JT	7510 JT	1080	500 UT	1810 T
Indeno(1,2,3-cd)pyrene	µg/kg	22	15	68.2	7 J	381 J	66.7	21.5 J	224	7 J	500 U	158	58	500 U
Low Molecular Weight PAH	µg/kg	22	10	45.5	15.4 T	1350 JT	314	105 T	1030 JT	10 UT	1350 JT	249	105 T	500 UT
Naphthalene	µg/kg	22	6	27.3	4 J	222 J	67.9	8.93 J	156 J	4 J	500 U	127	19 U	500 U
Phenanthrene	µg/kg	22	9	40.9	15.4	416 J	99.5	45.8	130 J	10 U	500 U	157	45.8	500 U
Pyrene	µg/kg	22	15	68.2	11 J	2310 J	313	127	680 J	10 U	2310 J	298	127	500 U
Total PAHs	µg/kg	22	18	81.8	25.5 JT	8540 JT	1400	319 JT	7010 JT	25.5 JT	8540 JT	1230	500 UT	1936 JT
PCB_Congeners														
PCB008	pg/g	6	0	0						250 U	470 UP	337	280 U	450 U
PCB018	pg/g	6	1	16.7	2850 P	2850 P	2850	2850 P	2850 P	240 U	2850 P	733	280 U	460 U
PCB028	pg/g	6	3	50	530	1380 P	877	720 P	720 P	160 U	1380 P	523	180 U	720 P
PCB044	pg/g	6	3	50	540 P	4110	1790	710	710	140 U	4110	985	260 UP	710
PCB052	pg/g	6	2	33.3	2030	16200	9120	2030	2030	220 U	16200	3250	400 U	2030
PCB066	pg/g	6	4	66.7	1350	5980	3020	1920	2820	130 U	5980	2060	1350	2820
PCB101	pg/g	6	4	66.7	490 P	6160 P	2540	870	2640	180 U	6160 P	1760	490 P	2640
PCB105	pg/g	6	0	0						110 U	200 U	147	120 U	200 U
PCB118	pg/g	6	2	33.3	520 JP	1320	920	520 JP	520 JP	130 U	1320	433	240 U	520 JP
PCB128	pg/g	6	4	66.7	180 JP	1550 P	688	390 JP	630 J	110 U	1550 P	512	210 U	630 J
PCB138	pg/g	6	5	83.3	370 J	5400 P	2380	1990 P	3210	120 U	5400 P	2000	920 J	3210
PCB153	pg/g	6	4	66.7	640 P	4320	2290	760	3440	150 U	4320	1600	640 P	3440
PCB170	pg/g	6	4	66.7	220 J	3080	1110	280 JP	860	130 U	3080	800	230 U	860
PCB180	pg/g	6	5	83.3	130 J	3220 P	1140	550 JP	1610	130 J	3220 P	982	200 U	1610
PCB187	pg/g	6	4	66.7	250 JP	2510 P	1100	570 P	1080	130 U	2510 P	797	250 JP	1080
Total PCB Congeners	pg/g	6	6	100	350 JT	36200 JT	15300	6480 JT	25900 T	350 JT	36200 JT	15300	6480 JT	25900 T
Pesticides														
2,4'-DDD	µg/kg	10	0	0						0.38 U	61.8 UJ	8.07	2.05 U	5.38 U
2,4'-DDE	µg/kg	10	1	10	3.34 J	3.34 J	3.34	3.34 J	3.34 J	0.38 U	61.8 UJ	8.13	2.05 U	5.38 U
2,4'-DDT	µg/kg	10	0	0						0.38 U	61.8 UJ	8.07	2.05 U	5.38 U
4,4'-DDD	µg/kg	18	4	22.2	7.13	84 L	49.4	40.6 J	66	0.38 U	84 L	14.5	7.13	66
4,4'-DDE	µg/kg	18	5	27.8	13	150 L	58.6	34	73	0.38 U	150 L	19.5	10 U	73
4,4'-DDT	µg/kg	18	8	44.4	3.36 J	2400 L	406	34	410	0.38 U	2400 L	183	10 U	410
Aldrin	µg/kg	18	0	0						0.19 U	26.6 UJ	6.32	1.34 UJ	10 U
alpha-Endosulfan	µg/kg	18	0	0						0.19 U	26.3 UJ	6.29	1.33 UJ	10 U
alpha-Hexachlorocyclohexane	µg/kg	14	2	14.3	1.78 J	2.06 J	1.92	1.78 J	1.78 J	0.19 U	19.2 UJ	4.74	0.835 U	10 U
beta-Endosulfan	µg/kg	18	0	0						0.38 U	23.9 UJ	6.16	1.2 UJ	10 U
beta-Hexachlorocyclohexane	µg/kg	18	0	0						0.19 U	30 U	10.7	1.32 UJ	30 U
Chlordane (cis & trans)	µg/kg	15	0	0						2.82 UJ	100 U	36.5	10 UT	100 U
cis-Chlordane	µg/kg	14	2	14.3	2.39 J	6.04	4.22	2.39 J	2.39 J	0.19 U	24.5 UJ	5.52	1.24 UJ	10 U
cis-Nonachlor	µg/kg	10	0	0						0.38 U	61.8 UJ	8.07	2.05 U	5.38 U
delta-Hexachlorocyclohexane	µg/kg	18	3	16.7	1.37 J	3.99	2.53	2.23 J	2.23 J	0.19 U	23.7 UJ	6.36	3.99	10 U
Dieldrin	µg/kg	18	0	0						0.38 U	20.3 UJ	5.91	1.02 UJ	10 U
Endosulfan sulfate	µg/kg	18	0	0						0.38 U	22.5 UJ	6.06	1.13 UJ	10 U
Endrin aldehyde	µg/kg	18	1	5.56	3.05 J	3.05 J	3.05	3.05 J	3.05 J	0.38 U	25.2 UJ	6.35	3.05 J	10 U
Endrin ketone	µg/kg	14	1	7.14	4.48 J	4.48 J	4.48	4.48 J	4.48 J	0.38 U	17.4 UJ	4.75	0.755 U	10 U
Endrin	µg/kg	18	1	5.56	8.03	8.03	8.03	8.03	8.03	0.38 U	22.3 UJ	6.44	8.03	10 U

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
gamma-Hexachlorocyclohexane	µg/kg	18	0	0						0.19 U	23.6 UJ	6.11	1.19 UJ	10 U
Heptachlor epoxide	µg/kg	18	0	0						0.19 U	22.6 UJ	6.04	1.14 UJ	10 U
Heptachlor	µg/kg	18	1	5.56	1.4 J	1.4 J	1.4	1.4 J	1.4 J	0.19 U	21.3 UJ	5.97	1.4 J	10 U
Hexachlorocyclohexanes	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
Methoxychlor	µg/kg	18	0	0						1.9 U	85 UJ	15.1	4.29 UJ	20 U
Mirex	µg/kg	3	0	0						0.38 U	0.39 U	0.383	0.38 U	0.38 U
Oxychlordane	µg/kg	10	0	0						0.38 U	61.8 UJ	8.07	2.05 U	5.38 U
Total Chlordanes	µg/kg	10	4	40	5.85 JT	100 JT	34.9	6.24 JT	27.6 T	0.38 UT	100 JT	14.7	2.05 UT	27.6 T
Total Endosulfan	µg/kg	18	0	0						0.38 UT	26.3 UJT	6.33	1.33 UJT	10 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	µg/kg	10	5	50	3.36 JT	88.6 JT	28.9	20.1 T	29.1 JT	0.38 UT	88.6 JT	15.1	3.11 UJT	29.1 JT
Total of 2,4' and 4,4'-DDD	µg/kg	10	2	20	7.13 T	40.6 JT	23.9	7.13 T	7.13 T	0.38 UT	40.6 JT	6.13	2.05 UT	7.13 T
Total of 2,4' and 4,4'-DDE	µg/kg	10	2	20	3.34 JT	13 T	8.17	3.34 JT	3.34 JT	0.38 UT	61.8 UJT	8.89	2.05 UT	13 T
Total of 2,4' and 4,4'-DDT	µg/kg	10	4	40	3.36 JT	48 JT	20.2	3.48 JT	25.8 T	0.38 UT	48 JT	9.23	3.11 UJT	25.8 T
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	18	9	50	3.36 T	2634 T	415	57 T	459 T	0.38 UT	2634 T	210	10 UT	459 T
Toxaphene	µg/kg	18	0	0						12.5 UJ	387 UJ	163	19.5 UJ	300 U
trans-Chlordane	µg/kg	14	3	21.4	3.46 P	7.66	5.79	6.24 J	6.24 J	0.19 U	25.1 UJ	6.11	3.46 P	10 U
trans-Nonachlor	µg/kg	10	2	20	13.9	100 J	57	13.9	13.9	0.38 U	100 J	13	2.05 U	13.9
Petroleum														
Diesel Range Hydrocarbons	mg/kg	14	9	64.3	7.25	2310	308	76.6	92.2	7.25	2310	214	50 U	92.2
Fuel oil no. 2	mg/kg	1	0	0						50 U	50 U	50	50 U	50 U
Gasoline Range Hydrocarbons	mg/kg	7	1	14.3	2 J	2 J	2	2 J	2 J	2 J	48 U	19.1	20 U	20 U
Heavy Oil Range Hydrocarbons	mg/kg	1	1	100	292	292	292	292	292	292	292	292	292	292
Heavy oil	mg/kg	4	0	0						100 U	100 U	100	100 U	100 U
Lube Oil	mg/kg	7	7	100	38.6	9420	1550	267	501	38.6	9420	1550	267	501
Residual Range Hydrocarbons	mg/kg	1	1	100	640	640	640	640	640	640	640	640	640	640
Total Petroleum Hydrocarbons	mg/kg	7	3	42.9	2 JT	732 T	274	88 T	88 T	2 JT	732 T	146	50 UT	88 T
Phenols														
2,3,4,5-Tetrachlorophenol	µg/kg	3	0	0						94 U	97 U	96	97 U	97 U
2,3,4,6-Tetrachlorophenol	µg/kg	10	0	0						12.5 U	2150 UJ	422	97 U	1320 UJ
2,3,5,6-Tetrachlorophenol	µg/kg	9	0	0						13.2 U	2150 UJ	467	97 U	1320 UJ
2,4,5-Trichlorophenol	µg/kg	21	0	0						13.2 U	2150 UJ	330	97 U	500 U
2,4,6-Trichlorophenol	µg/kg	21	0	0						13.2 U	2150 UJ	328	97 U	500 U
2,4-Dichlorophenol	µg/kg	21	0	0						13.2 U	2150 UJ	339	150 U	500 U
2,4-Dimethylphenol	µg/kg	21	0	0						13.2 U	2150 UJ	397	200 U	1000 U
2,4-Dinitrophenol	µg/kg	17	0	0						43.4 U	10800 UJ	2100	1150 U	6610 UJ
2-Chlorophenol	µg/kg	21	0	0						13.2 U	2150 UJ	321	74 U	500 U
2-Methylphenol	µg/kg	21	0	0						13.2 U	2150 UJ	341	189 UJ	500 U
2-Nitrophenol	µg/kg	17	0	0						13.2 U	2150 UJ	398	229 U	1320 UJ
3- and 4-Methylphenol Coelution	µg/kg	2	0	0						300 U	330 U	315	300 U	300 U
4,6-Dinitro-2-methylphenol	µg/kg	21	0	0						66.2 U	10800 UJ	1670	300 U	3000 U
4-Chloro-3-methylphenol	µg/kg	21	0	0						13.2 U	2150 UJ	323	74 U	500 U
4-Methylphenol	µg/kg	14	0	0						19 U	4310 UJ	695	300 U	2640 UJ
4-Nitrophenol	µg/kg	21	0	0						0.15 U	10800 UJ	1220	100 U	3000 U
Cresol	µg/kg	1	0	0						330 U	330 U	330	330 U	330 U
Pentachlorophenol	µg/kg	17	5	29.4	3.9	799 J	179	37.3	46.5	1.84 U	3000 U	1030	440 U	3000 U
Phenol	µg/kg	21	1	4.76	6 J	6 J	6	6 J	6 J	6 J	2150 UJ	321	50 U	500 U
Tetrachlorophenol	µg/kg	1	0	0						34.2 U	34.2 U	34.2	34.2 U	34.2 U
Phthalates														
Bis(2-ethylhexyl) phthalate	µg/kg	21	10	47.6	49	33200 J	4000	155 J	4230 JB	13.2 U	33200 J	2080	155 J	2000 U
Butylbenzyl phthalate	µg/kg	21	0	0						10 U	2150 UJ	311	34.4 U	500 U
Dibutyl phthalate	µg/kg	21	2	9.52	34	3790 J	1910	34	34	10 U	3790 J	428	158 U	1000 U

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Diethyl phthalate	µg/kg	21	1	4.76	3 J	3 J	3	3 J	3 J	3 J	2150 UJ	310	30.8 U	500 U
Dimethyl phthalate	µg/kg	21	1	4.76	0.6 J	0.6 J	0.6	0.6 J	0.6 J	0.6 J	2150 UJ	309	19.9 U	500 U
Di-n-octyl phthalate	µg/kg	21	1	4.76	12000 J	12000 J	12000	12000 J	12000 J	10 UJ	12000 J	794	189 UJ	500 U
SVOCs														
1,2,4-Trichlorobenzene	µg/kg	21	0	0						10 U	2150 UJ	310	19 U	500 U
1,2-Dichlorobenzene	µg/kg	21	0	0						5 U	2150 UJ	256	15 U	1000 U
1,3-Dichlorobenzene	µg/kg	21	0	0						5 U	2150 UJ	257	15 U	1000 U
1,4-Dichlorobenzene	µg/kg	21	0	0						5 U	2150 UJ	257	15 U	1000 U
2,4-Dinitrotoluene	µg/kg	21	0	0						13.2 U	2150 UJ	334	97 U	500 U
2,6-Dinitrotoluene	µg/kg	21	0	0						10 U	2150 UJ	330	97 U	500 U
2-Chloronaphthalene	µg/kg	21	0	0						1.32 U	500 U	140	19 U	500 U
2-Nitroaniline	µg/kg	21	0	0						10 U	3000 U	839	97 U	3000 U
3,3'-Dichlorobenzidine	µg/kg	21	0	0						13.2 U	3000 U	880	97 UJ	3000 U
3-Nitroaniline	µg/kg	21	0	0						13.2 U	3000 U	924	200 U	3000 U
4-Bromophenyl phenyl ether	µg/kg	21	0	0						10 U	2150 UJ	310	24.1 U	500 U
4-Chloroaniline	µg/kg	21	0	0						13.2 U	2150 UJ	405	74 U	1320 UJ
4-Chlorophenyl phenyl ether	µg/kg	21	0	0						10 U	2150 UJ	310	30.4 U	500 U
4-Nitroaniline	µg/kg	21	0	0						10 U	3000 U	845	150 U	3000 U
Aniline	µg/kg	15	0	0						13.2 U	2150 UJ	803	229 U	2000 U
Azobenzene	µg/kg	3	0	0						19 U	19 U	19	19 U	19 U
Benzoic acid	µg/kg	21	2	9.52	50 J	276 J	163	50 J	50 J	50 J	10800 UJ	1690	276 J	3000 U
Benzyl alcohol	µg/kg	21	0	0						13.2 U	2150 UJ	332	97 U	500 U
Bis(2-chloro-1-methylethyl) ether	µg/kg	11	0	0						10 U	500 U	172	19 U	500 U
Bis(2-chloroethoxy) methane	µg/kg	21	1	4.76	30	30	30	30	30	10 U	2150 UJ	311	30	500 U
Bis(2-chloroethyl) ether	µg/kg	21	0	0						10 U	2150 UJ	313	39 U	500 U
Bis(2-chloroisopropyl) ether	µg/kg	10	0	0						13.2 U	2150 UJ	464	189 UJ	1320 UJ
Carbazole	µg/kg	15	2	13.3	25	213 J	119	25	25	1.9 UT	2150 UJ	272	13.2 U	1320 UJ
Dibenzofuran	µg/kg	22	1	4.55	7 J	7 J	7	7 J	7 J	1.9 UT	2150 UJ	293	13.5 U	500 U
Diethylnitrosamine	µg/kg	1	0	0						2000 U	2000 U	2000	2000 U	2000 U
Hexachlorobenzene	µg/kg	21	3	14.3	1.94 J	4.53	3.12	2.88 J	2.88 J	0.19 UT	500 U	122	10 U	500 U
Hexachlorobutadiene	µg/kg	21	0	0						0.22 UT	1000 U	154	10 U	500 U
Hexachlorocyclopentadiene	µg/kg	17	0	0						13.2 U	2150 UJ	450	300 U	1320 UJ
Hexachloroethane	µg/kg	21	0	0						1 UJ	1000 U	162	40 U	500 U
Isophorone	µg/kg	21	0	0						10 U	2150 UJ	310	25.3 U	500 U
Nitrobenzene	µg/kg	21	0	0						10 U	2150 UJ	310	24.8 UJ	500 U
N-Nitrosodimethylamine	µg/kg	14	0	0						19.9 U	10800 UJ	2210	944 UJ	6610 UJ
N-Nitrosodiphenylamine	µg/kg	21	0	0						10 U	2150 UJ	310	19 U	500 U
N-Nitrosodipropylamine	µg/kg	21	0	0						10 U	2150 UJ	313	39 U	500 U
VOCs														
1,1,1,2-Tetrachloroethane	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
1,1,1-Trichloroethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,1,2-Trichloroethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,1-Dichloroethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,1-Dichloroethene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,1-Dichloropropene	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
1,2,3-Trichlorobenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
1,2,3-Trichloropropane	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
1,2,4-Trimethylbenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
1,2-Dibromo-3-chloropropane	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
1,2-Dichloroethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
1,2-Dichloropropane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
1,3,5-Trimethylbenzene	µg/kg	5	1	20	110	110	110	110	110	20 U	110	38	20 U	20 U
1,3-Dichloropropane	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
2,2-Dichloropropane	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
2-Chloroethyl vinyl ether	µg/kg	4	0	0						10 U	20 U	12.5	10 U	10 U
2-Chlorotoluene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
4-Chlorotoluene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
Acetone	µg/kg	5	2	40	100	340	220	100	100	100	2500 U	628	100 U	340
Benzene	µg/kg	11	0	0						5 U	100 U	22.3	5 U	50 U
Bromobenzene	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
Bromochloromethane	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
Bromodichloromethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Bromoform	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Bromomethane	µg/kg	8	0	0						5 UJ	20 U	8.75	5 UJ	10 U
BTEX	µg/kg	11	2	18.2	100 T	132 T	116	100 T	100 T	5 UT	132 T	34.3	5 UT	100 T
Carbon disulfide	µg/kg	8	0	0						5 U	200 U	65	5 U	100 U
Carbon tetrachloride	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Chlorobenzene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Chlorodibromomethane	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Chloroethane	µg/kg	9	0	0						5 U	100 U	18.9	10 U	20 U
Chloroform	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Chloromethane	µg/kg	8	0	0						5 UJ	20 U	8.75	5 U	10 U
cis-1,2-Dichloroethene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
cis-1,3-Dichloropropene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Dichlorodifluoromethane	µg/kg	4	0	0						5 UJ	5 UJ	5	5 U	5 U
Ethylbenzene	µg/kg	11	0	0						5 U	100 U	26.8	5 U	100 U
Ethylene dibromide	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
Isopropylbenzene	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
m,p-Xylene	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
Methyl isobutyl ketone	µg/kg	4	0	0						50 U	200 U	87.5	50 U	50 U
Methyl n-butyl ketone	µg/kg	8	0	0						20 U	200 U	53.8	20 U	50 U
Methylene bromide	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
Methylene chloride	µg/kg	8	3	37.5	7 B	16 B	10.7	9 B	9 B	5 U	16 B	9.63	10 U	10 U
Methylethyl ketone	µg/kg	4	0	0						100 U	200 U	125	100 U	100 U
Methylisopropylbenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
n-Butylbenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
n-Propylbenzene	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
o-Xylene	µg/kg	4	0	0						5 U	5 U	5	5 U	5 U
Sec-butylbenzene	µg/kg	5	0	0						20 U	200 U	56	20 U	20 U
Styrene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
tert-Butylbenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
Tetrachloroethene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Toluene	µg/kg	11	1	9.09	50 J	50 J	50	50 J	50 J	5 U	100 U	26.8	5 U	100 U
trans-1,2-Dichloroethene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
trans-1,3-Dichloropropene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Trichloroethene	µg/kg	8	0	0						5 U	10 U	5.63	5 U	5 U
Trichlorofluoromethane	µg/kg	8	0	0						5 UJ	20 U	8.75	5 UJ	10 U
Trichlorotrifluoroethane	µg/kg	4	0	0						10 U	20 U	12.5	10 U	10 U
Vinyl acetate	µg/kg	4	0	0						50 U	200 U	87.5	50 U	50 U
Vinyl chloride	µg/kg	8	0	0						5 U	20 U	8.75	5 U	10 U
Xylene	µg/kg	11	2	18.2	50 J	132	91	50 J	50 J	5 UT	132	29.7	5 U	100 U

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Table C1-3a. Summary Statistics for All Analytes, Surface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rank of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-3b. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor Riparian Zone (13ft-22ft NAVD 88; RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Surface														
Aroclors														
Aroclor 1016	µg/kg	3	0	0						100 U	100 U	100	100 U	100 U
Aroclor 1221	µg/kg	3	0	0						100 U	100 U	100	100 U	100 U
Aroclor 1232	µg/kg	3	0	0						100 U	100 U	100	100 U	100 U
Aroclor 1242	µg/kg	3	0	0						100 U	100 U	100	100 U	100 U
Aroclor 1248	µg/kg	3	0	0						100 U	600 U	267	100 U	100 U
Aroclor 1254	µg/kg	3	1	33.3	1700	1700	1700	1700	1700	100 U	1700	633	100 U	100 U
Aroclor 1260	µg/kg	3	1	33.3	2600	2600	2600	2600	2600	100 U	2600	933	100 U	100 U
Total PCB Aroclors	µg/kg	3	1	33.3	4300	4300	4300	4300	4300	100 UT	4300	1500	100 UT	100 UT
Butyltins														
Butyltin ion	µg/kg	1	0	0						4 U	4 U	4	4 U	4 U
Dibutyltin ion	µg/kg	1	1	100	2	2	2	2	2	2	2	2	2	2
Tetrabutyltin	µg/kg	1	0	0						3 U	3 U	3	3 U	3 U
Tributyltin ion	µg/kg	1	1	100	7	7	7	7	7	7	7	7	7	7
Conventionals														
Total solids	percent	2	2	100	82.2	84.8	83.5	82.2	82.2	82.2	84.8	83.5	82.2	82.2
Metals														
Antimony	mg/kg	3	1	33.3	287	287	287	287	287	10 U	287	102	10 U	10 U
Arsenic	mg/kg	3	3	100	2	9	4.33	2	2	2	9	4.33	2	2
Beryllium	mg/kg	3	0	0						1 U	1 U	1	1 U	1 U
Cadmium	mg/kg	3	2	66.7	1	3	2	1	1	1	3	1.67	1 U	1 U
Chromium	mg/kg	3	3	100	19	48	30.7	25	25	19	48	30.7	25	25
Copper	mg/kg	3	3	100	68	233	135	105	105	68	233	135	105	105
Lead	mg/kg	3	3	100	145	303	215	198	198	145	303	215	198	198
Mercury	mg/kg	3	1	33.3	1.3	1.3	1.3	1.3	1.3	0.2 U	1.3	0.567	0.2 U	0.2 U
Nickel	mg/kg	3	3	100	13	65	31.3	16	16	13	65	31.3	16	16
Selenium	mg/kg	3	0	0						1 U	1 U	1	1 U	1 U
Silver	mg/kg	3	0	0						2 U	2 U	2	2 U	2 U
Thallium	mg/kg	3	0	0						1 U	1 U	1	1 U	1 U
Zinc	mg/kg	3	3	100	685	1420	939	712	712	685	1420	939	712	712
PAHs														
2-Methylnaphthalene	µg/kg	3	1	33.3	29	29	29	29	29	29	3000 U	2010	3000 U	3000 U
Acenaphthene	µg/kg	3	1	33.3	11	11	11	11	11	11	3000 U	2000	3000 U	3000 U
Acenaphthylene	µg/kg	3	0	0						5 U	3000 U	2000	3000 U	3000 U
Anthracene	µg/kg	3	1	33.3	21	21	21	21	21	21	3000 U	2010	3000 U	3000 U
Benzo(a)anthracene	µg/kg	3	1	33.3	80	80	80	80	80	80	3000 U	2030	3000 U	3000 U
Benzo(a)pyrene	µg/kg	3	1	33.3	70	70	70	70	70	70	3000 U	2020	3000 U	3000 U
Benzo(b)fluoranthene	µg/kg	3	1	33.3	79	79	79	79	79	79	3000 U	2030	3000 U	3000 U
Benzo(b+k)fluoranthene	µg/kg	2	0	0						3000 UT	3000 UT	3000	3000 UT	3000 UT
Benzo(g,h,i)perylene	µg/kg	3	1	33.3	85	85	85	85	85	85	3000 U	2030	3000 U	3000 U
Benzo(k)fluoranthene	µg/kg	3	1	33.3	67	67	67	67	67	67	3000 U	2020	3000 U	3000 U
Chrysene	µg/kg	3	1	33.3	98	98	98	98	98	98	3000 U	2030	3000 U	3000 U
Dibenzo(a,h)anthracene	µg/kg	3	1	33.3	20	20	20	20	20	20	3000 U	2010	3000 U	3000 U
Fluoranthene	µg/kg	3	1	33.3	150	150	150	150	150	150	3000 U	2050	3000 U	3000 U
Fluorene	µg/kg	3	1	33.3	7	7	7	7	7	7	3000 U	2000	3000 U	3000 U
High Molecular Weight PAH	µg/kg	3	1	33.3	869 T	869 T	869	869 T	869 T	869 T	3000 UT	2290	3000 UT	3000 UT
Indeno(1,2,3-cd)pyrene	µg/kg	3	1	33.3	100	100	100	100	100	100	3000 U	2030	3000 U	3000 U
Low Molecular Weight PAH	µg/kg	3	1	33.3	204 T	204 T	204	204 T	204 T	204 T	3000 UT	2070	3000 UT	3000 UT
Naphthalene	µg/kg	3	1	33.3	16	16	16	16	16	16	3000 U	2010	3000 U	3000 U
Phenanthrene	µg/kg	3	1	33.3	120	120	120	120	120	120	3000 U	2040	3000 U	3000 U
Pyrene	µg/kg	3	1	33.3	120	120	120	120	120	120	3000 U	2040	3000 U	3000 U
Total PAHs	µg/kg	3	1	33.3	1073 T	1073 T	1070	1073 T	1073 T	1073 T	3000 UT	2360	3000 UT	3000 UT
Pesticides														
4,4'-DDD	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
4,4'-DDE	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
4,4'-DDT	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Aldrin	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
alpha-Endosulfan	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U

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Table C1-3b. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor Riparian Zone (13ft-22ft NAVD 88; RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
alpha-Hexachlorocyclohexane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
beta-Endosulfan	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
beta-Hexachlorocyclohexane	µg/kg	2	0	0						30 U	30 U	30	30 U	30 U
Chlordane (cis & trans)	µg/kg	2	0	0						100 U	100 U	100	100 U	100 U
delta-Hexachlorocyclohexane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Dieldrin	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Endosulfan sulfate	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Endrin aldehyde	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Endrin	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
gamma-Hexachlorocyclohexane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Heptachlor epoxide	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Heptachlor	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Methoxychlor	µg/kg	2	0	0						20 U	20 U	20	20 U	20 U
Total Endosulfan	µg/kg	2	0	0						10 UT	10 UT	10	10 UT	10 UT
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	2	0	0						10 UT	10 UT	10	10 UT	10 UT
Toxaphene	µg/kg	2	0	0						300 U	300 U	300	300 U	300 U
Petroleum														
Diesel Range Hydrocarbons	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Gasoline Range Hydrocarbons	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Heavy oil	mg/kg	1	0	0						25 U	25 U	25	25 U	25 U
Jet fuel A	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
JP-4 jet fuel	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Kerosene	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Lube Oil	mg/kg	1	1	100	313	313	313	313	313	313	313	313	313	313
Mineral spirits	mg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Naphtha distillate	mg/kg	1	0	0						100 U	100 U	100	100 U	100 U
Non-petroleum hydrocarbons	mg/kg	1	0	0						50 U	50 U	50	50 U	50 U
Total Petroleum Hydrocarbons	mg/kg	1	0	0						25 U	25 U	25	25 U	25 U
Phenols														
2,4,5-Trichlorophenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2,4,6-Trichlorophenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2,4-Dichlorophenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2,4-Dimethylphenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2,4-Dinitrophenol	µg/kg	2	0	0						20000 UX	20000 UG	20000	20000 UX	20000 UX
2-Chlorophenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2-Methylphenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
2-Nitrophenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
4,6-Dinitro-2-methylphenol	µg/kg	2	0	0						20000 UX	20000 UG	20000	20000 UX	20000 UX
4-Chloro-3-methylphenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
4-Methylphenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
4-Nitrophenol	µg/kg	2	0	0						20000 UX	20000 UG	20000	20000 UX	20000 UX
Pentachlorophenol	µg/kg	2	0	0						20000 UX	20000 UG	20000	20000 UX	20000 UX
Phenol	µg/kg	2	0	0						3000 UX	3000 UG	3000	3000 UX	3000 UX
Phthalates														
Bis(2-ethylhexyl) phthalate	µg/kg	2	1	50	3000	3000	3000	3000	3000	3000	3000 U	3000	3000	3000
Butylbenzyl phthalate	µg/kg	2	1	50	6000	6000	6000	6000	6000	3000 U	6000	4500	3000 U	3000 U
Dibutyl phthalate	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Diethyl phthalate	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Dimethyl phthalate	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Di-n-octyl phthalate	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
SVOCs														
1,2,4-Trichlorobenzene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
1,2-Dichlorobenzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,3-Dichlorobenzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,4-Dichlorobenzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
2,4-Dinitrotoluene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
2,6-Dinitrotoluene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
2-Chloronaphthalene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
2-Nitroaniline	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U

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Table C1-3b. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor Riparian Zone (13ft-22ft NAVD 88; RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
3,3'-Dichlorobenzidine	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U
3-Nitroaniline	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U
4-Bromophenyl phenyl ether	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
4-Chloroaniline	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
4-Chlorophenyl phenyl ether	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
4-Nitroaniline	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U
Aniline	µg/kg	2	0	0						10000 U	10000 U	10000	10000 U	10000 U
Benzoic acid	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U
Benzyl alcohol	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Bis(2-chloro-1-methylethyl) ether	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Bis(2-chloroethoxy) methane	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Bis(2-chloroethyl) ether	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Dibenzofuran	µg/kg	3	1	33.3	15	15	15	15	15	15	3000 U	2010	3000 U	3000 U
Hexachlorobenzene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Hexachlorobutadiene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Hexachlorocyclopentadiene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Hexachloroethane	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Isophorone	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
Nitrobenzene	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
N-Nitrosodimethylamine	µg/kg	2	0	0						20000 U	20000 U	20000	20000 U	20000 U
N-Nitrosodiphenylamine	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
N-Nitrosodipropylamine	µg/kg	2	0	0						3000 U	3000 U	3000	3000 U	3000 U
VOCs														
1,1,1-Trichloroethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,1,2-Trichloroethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,1-Dichloroethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,1-Dichloroethene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,2-Dichloroethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
1,2-Dichloropropane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
2-Chloroethyl vinyl ether	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Acetone	µg/kg	2	0	0						100 U	100 U	100	100 U	100 U
Benzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Bromodichloromethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Bromoform	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Bromomethane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
BTEX	µg/kg	2	0	0						5 UT	5 UT	5	5 UT	5 UT
Carbon disulfide	µg/kg	2	0	0						100 U	100 U	100	100 U	100 U
Carbon tetrachloride	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Chlorobenzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Chlorodibromomethane	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Chloroethane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Chloroform	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Chloromethane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
cis-1,2-Dichloroethene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
cis-1,3-Dichloropropene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Ethylbenzene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Methyl isobutyl ketone	µg/kg	2	0	0						50 U	50 U	50	50 U	50 U
Methyl n-butyl ketone	µg/kg	2	0	0						50 U	50 U	50	50 U	50 U
Methylene chloride	µg/kg	2	1	50	5 B	5 B	5	5 B	5 B	5 B	5 U	5	5 B	5 B
Methylethyl ketone	µg/kg	2	0	0						100 U	100 U	100	100 U	100 U
Styrene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Tetrachloroethene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Toluene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
trans-1,2-Dichloroethene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
trans-1,3-Dichloropropene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Trichloroethene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U
Trichlorofluoromethane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Trichlorotrifluoroethane	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U

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Table C1-3b. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor Riparian Zone (13ft-22ft NAVD 88; RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median[a] (half DL)**	**95th[a] (half DL)**
Vinyl acetate	µg/kg	2	0	0						50 U	50 U	50	50 U	50 U
Vinyl chloride	µg/kg	2	0	0						10 U	10 U	10	10 U	10 U
Xylene	µg/kg	2	0	0						5 U	5 U	5	5 U	5 U

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rank of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-4a. Summary Statistics for All Analytes, Subsurface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Aroclors														
Aroclor 1016	µg/kg	1	0	0						100 U	100 U	100	100 U	100 U
Aroclor 1221	µg/kg	22	0	0						20 U	2000 U	350	100 U	1000 U
Aroclor 1232	µg/kg	22	0	0						9.8 U	1000 U	177	94 U	500 U
Aroclor 1242	µg/kg	22	0	0						9.8 U	1000 U	177	94 U	500 U
Aroclor 1248	µg/kg	22	14	63.6	24	34000	5630	3400	12000	9.8 U	34000	3590	100 U	6200
Aroclor 1254	µg/kg	22	6	27.3	18	1800	559	220	960	9.8 U	23000 U	2100	100 U	3700 U
Aroclor 1260	µg/kg	22	6	27.3	8.5	1500	576	200	950	8.5	6300 U	783	100 U	1500
Total PCB Aroclors	µg/kg	22	16	72.7	42 JT	34000 JT	5350	3400 JT	13500 JT	20 UT	34000 JT	3900	350 JT	6400 JT
Butyltins														
Butyltin ion	µg/kg	2	2	100	11	75	43	11	11	11	75	43	11	11
Dibutyltin ion	µg/kg	2	2	100	12	960	486	12	12	12	960	486	12	12
Tetrabutyltin	µg/kg	2	1	50	41	41	41	41	41	0 U	41	20.5	0 U	0 U
Tributyltin ion	µg/kg	2	2	100	53	4100	2080	53	53	53	4100	2080	53	53
Conventionals														
Cyanide	mg/kg	1	1	100	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
Total organic carbon	percent	4	2	50	0.08	0.77	0.425	0.08	0.08	0.05 U	0.77	0.238	0.05 U	0.08
Total solids	percent	28	28	100	66.7	96.6	89.6	92.5	95.9	66.7	96.6	89.6	92.5	95.9
Grainsize														
Clay	percent	4	2	50	0.38	5	2.69	0.38	0.38	0.05 U	5	1.38	0.09 U	0.38
Fines	percent	4	4	100	0.13	20.7	5.76	0.51	1.68	0.13	20.7	5.76	0.51	1.68
Gravel	percent	4	2	50	2.6	14.9	8.75	2.6	2.6	0.26 U	14.9	5.12	2.6	2.7 U
Sand	percent	4	2	50	76.7	83.4	80.1	76.7	76.7	76.7	99.6 U	89.1	83.4	96.8 U
Silt	percent	4	2	50	1.3	15.7	8.5	1.3	1.3	0.08 U	15.7	4.38	0.42 U	1.3
Metals														
Antimony	mg/kg	2	1	50	0.95 J	0.95 J	0.95	0.95 J	0.95 J	0.95 J	10 U	5.48	0.95 J	0.95 J
Arsenic	mg/kg	21	21	100	1.69	19.1	5.49	5.49	7.65	1.69	19.1	5.49	5.49	7.65
Barium	mg/kg	2	2	100	67.1	130	98.6	67.1	67.1	67.1	130	98.6	67.1	67.1
Beryllium	mg/kg	1	0	0						1 U	1 U	1	1 U	1 U
Cadmium	mg/kg	20	10	50	0.281	20.8	3.66	0.971	5.92	0.093 U	20.8	1.98	0.5 U	5.92
Chromium	mg/kg	24	19	79.2	10.5	679	160	89	515	9.1 U	679	129	41.4	436
Cobalt	mg/kg	2	2	100	12.3	13	12.7	12.3	12.3	12.3	13	12.7	12.3	12.3
Copper	mg/kg	23	23	100	7.39	1570	123	30.5	208	7.39	1570	123	30.5	208
Iron	mg/kg	1	1	100	23700	23700	23700	23700	23700	23700	23700	23700	23700	23700
Lead	mg/kg	24	22	91.7	3.05	1610	156	49.9	251	3.05	1610	145	22.5	251
Manganese	mg/kg	18	18	100	148	14500	3150	1150	12700	148	14500	3150	1150	12700
Mercury	mg/kg	7	2	28.6	0.09	0.453	0.272	0.09	0.09	0 U	0.453	0.12	0.09	0.2 U
Nickel	mg/kg	3	3	100	13.8	32	22.6	22	22	13.8	32	22.6	22	22
Selenium	mg/kg	3	0	0						0.5 U	1 U	0.667	0.5 U	0.5 U
Silver	mg/kg	4	0	0						0.5 U	2 U	1.05	0.7 U	1 U
Thallium	mg/kg	1	0	0						1 U	1 U	1	1 U	1 U
Titanium	mg/kg	1	1	100	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
Vanadium	mg/kg	2	2	100	63.3 J	66	64.7	63.3 J	63.3 J	63.3 J	66	64.7	63.3 J	63.3 J
Zinc	mg/kg	23	23	100	46.5 J	7280	685	204	1530	46.5 J	7280	685	204	1530
PAHs														
2-Methylnaphthalene	µg/kg	5	0	0						5 U	300 UH	64	5 U	5 U
Acenaphthene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Acenaphthylene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Anthracene	µg/kg	7	1	14.3	841	841	841	841	841	0 U	841	166	5 U	300 UH
Benzo(a)anthracene	µg/kg	7	4	57.1	14.5 J	2870	779	30.5 J	200	10 U	2870	491	30.5 J	300 UH
Benzo(a)pyrene	µg/kg	7	4	57.1	13 J	2970	828	49.5 J	279	10 U	2970	519	49.5 J	300 UH
Benzo(b)fluoranthene	µg/kg	7	5	71.4	14.5	3110	693	58 J	266	10 U	3110	539	58 J	300 UH
Benzo(b+k)fluoranthene	µg/kg	5	3	60	27.5 T	107 T	54.2	28 T	28 T	10 UT	300 UT	94.5	28 T	107 T
Benzo(g,h,i)perylene	µg/kg	7	6	85.7	7 J	2420	463	10 J	277	7 J	2420	439	51.5 J	300 UH
Benzo(k)fluoranthene	µg/kg	7	5	71.4	11 J	1290	306	48.5 J	166	10 U	1290	263	48.5 J	300 UH
Chrysene	µg/kg	7	5	71.4	12 J	2920	642	47.5 J	212	10 U	2920	503	47.5 J	300 UH
Dibenzo(a,h)anthracene	µg/kg	7	3	42.9	6 J	6100	2320	845	845	5 U	6100	1040	6 J	845
Fluoranthene	µg/kg	7	5	71.4	13.5 J	6380	1380	62.5 J	403	10 U	6380	1030	62.5 J	403
Fluorene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
High Molecular Weight PAH	µg/kg	7	6	85.7	14 JT	37400 T	6940	137 JT	3490 T	14 JT	37400 T	5990	300 UT	3490 T

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Table C1-4a. Summary Statistics for All Analytes, Subsurface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median[a] (half DL)**	**95th[a] (half DL)**
Indeno(1,2,3-cd)pyrene	µg/kg	7	6	85.7	7 J	4140	777	12 J	430	7 J	4140	708	58.5 J	430
Low Molecular Weight PAH	µg/kg	7	2	28.6	185 JT	5090 JT	2640	185 JT	185 JT	10 UT	5090 JT	802	10 UT	300 UT
Naphthalene	µg/kg	6	1	16.7	3220	3220	3220	3220	3220	5 U	3220	590	5 U	300 UH
Phenanthrene	µg/kg	7	2	28.6	185	4250	2220	185	185	10 U	4250	682	10 U	300 UH
Pyrene	µg/kg	7	5	71.4	13 J	5220	1150	84 J	411	10 U	5220	866	84 J	411
Total PAHs	µg/kg	7	6	85.7	14 JT	42500 JT	7820	137 JT	3670 JT	14 JT	42500 JT	6740	300 UT	3670 JT
Pesticides														
4,4'-DDD	µg/kg	5	3	60	18	96	63	75	75	10 U	96	41.8	18	75
4,4'-DDE	µg/kg	5	4	80	28	110	74	58	100	10 U	110	61.2	58	100
4,4'-DDT	µg/kg	5	4	80	64	2600	1310	590	2000	10 U	2600	1050	590	2000
Aldrin	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
alpha-Endosulfan	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
alpha-Hexachlorocyclohexane	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
beta-Endosulfan	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
beta-Hexachlorocyclohexane	µg/kg	5	0	0						10 U	30 U	14	10 U	10 U
Chlordane (cis & trans)	µg/kg	5	0	0						10 UT	100 U	28	10 UT	10 UT
cis-Chlordane	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
delta-Hexachlorocyclohexane	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Dieldrin	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Endosulfan sulfate	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Endrin aldehyde	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Endrin ketone	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
Endrin	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
gamma-Hexachlorocyclohexane	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Heptachlor epoxide	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Heptachlor	µg/kg	5	0	0						10 U	10 U	10	10 U	10 U
Hexachlorocyclohexanes	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
Methoxychlor	µg/kg	5	0	0						20 U	20 U	20	20 U	20 U
Total Endosulfan	µg/kg	5	0	0						10 UT	10 UT	10	10 UT	10 UT
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	5	4	80	122 T	2646 T	1430	786 T	2185 T	10 UT	2646 T	1150	786 T	2185 T
Toxaphene	µg/kg	5	0	0						300 U	300 U	300	300 U	300 U
trans-Chlordane	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
Petroleum														
Diesel fuels	µg/kg	20	0	0						9.8 U	1000 U	184	10 U	980 U
Diesel Range Hydrocarbons	mg/kg	13	8	61.5	24	12400	7450	7880	11600	0 U	12400	4590	2180	11600
Gasoline Range Hydrocarbons	mg/kg	13	0	0						0 U	27 U	16.1	20 U	22 UJ
Heavy Oil Range Hydrocarbons	mg/kg	4	4	100	178	1620	605	290	333	178	1620	605	290	333
Heavy oil	mg/kg	8	1	12.5	100 G	100 G	100	100 G	100 G	100 G	100 U	100	100 U	100 U
Motor oil	mg/kg	1	1	100	140	140	140	140	140	140	140	140	140	140
Total Petroleum Hydrocarbons	mg/kg	11	7	63.6	2180 JT	12400 JT	8510	8450 JT	11600 JT	0 UT	12400 JT	5420	6850 JT	11600 JT
Phenols														
2,4,5-Trichlorophenol	µg/kg	5	0	0						40 U	300 UH	92	40 U	40 U
2,4,6-Trichlorophenol	µg/kg	5	0	0						30 U	300 UH	84	30 U	30 U
2,4-Dichlorophenol	µg/kg	5	0	0						100 U	300 UH	140	100 U	100 U
2,4-Dimethylphenol	µg/kg	5	0	0						200 U	300 UH	220	200 U	200 U
2,4-Dinitrophenol	µg/kg	1	0	0						2000 UH	2000 UH	2000	2000 UH	2000 UH
2-Chlorophenol	µg/kg	5	0	0						50 U	300 UH	100	50 U	50 U
2-Methylphenol	µg/kg	5	0	0						100 U	300 UH	140	100 U	100 U
2-Nitrophenol	µg/kg	1	0	0						300 UH	300 UH	300	300 UH	300 UH
4,6-Dinitro-2-methylphenol	µg/kg	5	0	0						100 U	2000 UH	480	100 U	100 U
4-Chloro-3-methylphenol	µg/kg	5	0	0						50 U	300 UH	100	50 U	50 U
4-Methylphenol	µg/kg	1	0	0						300 UH	300 UH	300	300 UH	300 UH
4-Nitrophenol	µg/kg	5	0	0						100 U	2000 UH	480	100 U	100 U
Pentachlorophenol	µg/kg	1	0	0						2000 UH	2000 UH	2000	2000 UH	2000 UH
Phenol	µg/kg	5	0	0						50 U	300 UH	100	50 U	50 U
Phthalates														
Bis(2-ethylhexyl) phthalate	µg/kg	5	2	40	280 J	426 J	353	280 J	280 J	20 U	426 J	209	280 J	300 UH
Butylbenzyl phthalate	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Dibutyl phthalate	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Diethyl phthalate	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U

BZTO104(e)028302

Table C1-4a. Summary Statistics for All Analytes, Subsurface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Dimethyl phthalate	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Di-n-octyl phthalate	µg/kg	5	0	0						10 UJ	300 UH	68	10 U	10 U
SVOCs														
1,2,4-Trichlorobenzene	µg/kg	6	0	0						10 U	300 UH	73.3	10 U	100 U
1,2-Dichlorobenzene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,3-Dichlorobenzene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,4-Dichlorobenzene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
2,4-Dinitrotoluene	µg/kg	5	0	0						20 U	300 UH	76	20 U	20 U
2,6-Dinitrotoluene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
2-Chloronaphthalene	µg/kg	5	0	0						5 U	300 UH	64	5 U	5 U
2-Nitroaniline	µg/kg	5	0	0						10 U	2000 UH	408	10 U	10 U
3,3'-Dichlorobenzidine	µg/kg	5	0	0						40 UJ	2000 UH	432	40 U	40 U
3-Nitroaniline	µg/kg	5	0	0						200 U	2000 UH	560	200 U	200 U
4-Bromophenyl phenyl ether	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
4-Chloroaniline	µg/kg	5	0	0						50 UJ	300 UH	100	50 U	50 U
4-Chlorophenyl phenyl ether	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
4-Nitroaniline	µg/kg	5	0	0						10 U	2000 UH	408	10 U	10 U
Aniline	µg/kg	1	0	0						1000 UH	1000 UH	1000	1000 UH	1000 UH
Benzoic acid	µg/kg	5	0	0						250 U	2000 UH	600	250 U	250 U
Benzyl alcohol	µg/kg	5	0	0						50 U	300 UH	100	50 U	50 U
Bis(2-chloro-1-methylethyl) ether	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Bis(2-chloroethoxy) methane	µg/kg	5	0	0						10 U	300 U	68	10 U	10 U
Bis(2-chloroethyl) ether	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Carbazole	µg/kg	4	0	0						10 U	10 U	10	10 U	10 U
Dibenzofuran	µg/kg	5	0	0						5 U	300 UH	64	5 U	5 U
Hexachlorobenzene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Hexachlorobutadiene	µg/kg	6	0	0						10 U	300 UH	90	10 U	200 U
Hexachlorocyclopentadiene	µg/kg	1	0	0						300 UH	300 UH	300	300 UH	300 UH
Hexachloroethane	µg/kg	5	0	0						40 U	300 UH	92	40 U	40 U
Isophorone	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
Nitrobenzene	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
N-Nitrosodimethylamine	µg/kg	1	0	0						2000 UH	2000 UH	2000	2000 UH	2000 UH
N-Nitrosodiphenylamine	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
N-Nitrosodipropylamine	µg/kg	5	0	0						10 U	300 UH	68	10 U	10 U
VOCs														
1,1,1,2-Tetrachloroethane	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
1,1,1-Trichloroethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,1,2,2-Tetrachloroethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,1,2-Trichloroethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,1-Dichloroethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,1-Dichloroethene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,1-Dichloropropene	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
1,2,3-Trichlorobenzene	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
1,2,3-Trichloropropane	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
1,2,4-Trimethylbenzene	µg/kg	5	1	20	2210	2210	2210	2210	2210	20 U	2210	458	20 U	20 U
1,2-Dibromo-3-chloropropane	µg/kg	5	0	0						20 U	500 U	116	20 U	20 U
1,2-Dichloroethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,2-Dichloropropane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
1,3,5-Trimethylbenzene	µg/kg	5	1	20	630	630	630	630	630	20 U	630	142	20 U	20 U
1,3-Dichloropropane	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
1-Methyl-4-isopropylbenzene	µg/kg	1	1	100	253	253	253	253	253	253	253	253	253	253
2,2-Dichloropropane	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
2-Chloroethyl vinyl ether	µg/kg	1	0	0						20 U	20 U	20	20 U	20 U
2-Chlorotoluene	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
4-Chlorotoluene	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
Acetone	µg/kg	2	0	0						200 U	1000 U	600	200 U	200 U
Benzene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Bromobenzene	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
Bromochloromethane	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
Bromodichloromethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U

BZTO104(e)028303

Table C1-4a. Summary Statistics for All Analytes, Subsurface Sediment, Study Area Riparian Zone (13ft-22ft NAVD 88; RM 2-11).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Bromoform	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Bromomethane	µg/kg	6	0	0						5 UJ	500 U	90	5 UJ	20 U
BTEX	µg/kg	6	1	16.7	1500 T	1500 T	1500	1500 T	1500 T	5 UT	1500 T	255	5 UT	10 UT
Carbon disulfide	µg/kg	6	0	0						5 U	1000 U	203	5 U	200 U
Carbon tetrachloride	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Chlorobenzene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Chlorodibromomethane	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Chloroethane	µg/kg	6	0	0						5 U	100 U	23.3	5 U	20 U
Chloroform	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Chloromethane	µg/kg	6	0	0						5 UJ	500 U	90	5 U	20 U
cis-1,2-Dichloroethene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
cis-1,3-Dichloropropene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Dichlorodifluoromethane	µg/kg	5	0	0						5 UJ	500 U	104	5 UJ	5 UJ
Ethylbenzene	µg/kg	6	1	16.7	244	244	244	244	244	5 U	244	45.7	5 U	10 U
Ethylene dibromide	µg/kg	5	0	0						20 U	100 U	36	20 U	20 U
Isopropylbenzene	µg/kg	5	1	20	588	588	588	588	588	20 U	588	134	20 U	20 U
m,p-Xylene	µg/kg	5	1	20	740	740	740	740	740	5 U	740	152	5 U	5 U
Methyl isobutyl ketone	µg/kg	2	0	0						100 U	500 U	300	100 U	100 U
Methyl n-butyl ketone	µg/kg	6	0	0						20 U	1000 U	197	20 U	100 U
Methyl tert-butyl ether	µg/kg	1	0	0						100 U	100 U	100	100 U	100 U
Methylene bromide	µg/kg	5	0	0						5 U	100 U	24	5 U	5 U
Methylene chloride	µg/kg	6	0	0						10 U	500 U	91.7	10 U	10 U
Methylethyl ketone	µg/kg	2	0	0						200 U	1000 U	600	200 U	200 U
Methylisopropylbenzene	µg/kg	4	0	0						20 U	20 U	20	20 U	20 U
n-Butylbenzene	µg/kg	5	1	20	3190	3190	3190	3190	3190	20 U	3190	654	20 U	20 U
n-Propylbenzene	µg/kg	5	1	20	1840	1840	1840	1840	1840	20 U	1840	384	20 U	20 U
o-Xylene	µg/kg	5	1	20	513	513	513	513	513	5 U	513	107	5 U	5 U
Sec-butylbenzene	µg/kg	5	1	20	1640	1640	1640	1640	1640	20 U	1640	344	20 U	20 U
Styrene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 UH
tert-Butylbenzene	µg/kg	5	1	20	128	128	128	128	128	20 U	128	41.6	20 U	20 U
Tetrachloroethene	µg/kg	6	1	16.7	8	8	8	8	8	5 U	100 U	22.2	5 U	10 U
Toluene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
trans-1,2-Dichloroethene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
trans-1,3-Dichloropropene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Trichloroethene	µg/kg	6	0	0						5 U	100 U	21.7	5 U	10 U
Trichlorofluoromethane	µg/kg	6	0	0						5 UJ	100 U	23.3	5 UJ	20 U
Trichlorotrifluoroethane	µg/kg	1	0	0						20 U	20 U	20	20 U	20 U
Vinyl acetate	µg/kg	1	0	0						100 U	100 U	100	100 U	100 U
Vinyl chloride	µg/kg	6	0	0						5 U	100 U	23.3	5 U	20 U
Xylene	µg/kg	6	1	16.7	1250 T	1250 T	1250	1250 T	1250 T	5 UT	1250 T	213	5 UT	10 U

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rank of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.

* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.

B - Analyte detected in method blank.

E - Estimated.

G - Estimate is greater than value shown.

H - Holding time exceeded.

J - The associated numerical value is an estimated quantity.

M - Mean.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

X - Recovery less than 10%.

Z - Fingerprint does not resemble petroleum product.

BZTO104(e)028304

Table C1-4b. Summary Statistics for All Analytes, Subsurface Sediment, Downstream Riparian Zone (13ft-22ft NAVD 88; RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median[a] (half DL)**	**95th[a] (half DL)**
Subsurface														
Aroclors														
Aroclor 1221	µg/kg	1	0	0						20 U	20 U	20	20 U	20 U
Aroclor 1232	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Aroclor 1242	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Aroclor 1248	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Aroclor 1254	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Aroclor 1260	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U
Total PCB Aroclors	µg/kg	1	0	0						20 UT	20 UT	20	20 UT	20 UT
Conventionals														
Total solids	percent	1	1	100	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
Metals														
Arsenic	mg/kg	1	1	100	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07
Cadmium	mg/kg	1	0	0						0.253 U	0.253 U	0.253	0.253 U	0.253 U
Chromium	mg/kg	1	1	100	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
Copper	mg/kg	1	1	100	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
Lead	mg/kg	1	1	100	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Manganese	mg/kg	1	1	100	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370
Zinc	mg/kg	1	1	100	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
Petroleum														
Diesel fuels	µg/kg	1	0	0						10 U	10 U	10	10 U	10 U

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rank of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.

* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.

B - Analyte detected in method blank.

E - Estimated.

G - Estimate is greater than value shown.

H - Holding time exceeded.

J - The associated numerical value is an estimated quantity.

M - Mean.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

X - Recovery less than 10%.

Z - Fingerprint does not resemble petroleum product.

BZTO104(e)028305

Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
>9 Phi clay	percent	1	1	100	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
8-9 Phi clay	percent	1	1	100	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
Clay	percent	15	15	100	1.94	9.22	5.13	5	9.09	1.94	9.22	5.13	5	9.09
Coarse sand	percent	10	10	100	0.55 5.09	14.2	2.38	0.9	2.79	0.55	14.2	2.38	0.9	2.79
Coarse silt	percent	1	1	100	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19	8.19
Fine gravel	percent	8	8	100		1.02	0.28	0.07	0.4	0	1.02	0.28	0.07	0.4
Fine sand	percent	10	10	100	8.69	57.1	29.2	20	50.6	8.69	57.1	29.2	20	50.6
Fine silt	percent	1	1	100	6.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66	6.66
Fines	percent	16	16	100	9 T	79.3 T	41.4	34.6 T	69.9 T	9 T	79.3 T	41.4	34.6 T	69.9 T
Gravel	percent	8	8	100	0.05	49	8.78	0.77	11.9	0.05	49	8.78	0.77	11.9
Mean grain size	mm	1	1	100	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Median grain size	mm	1	1	100	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Medium gravel	percent	8	8	100		0.2	0.0438		0.15	0	0.2	0.0438	0	0.15
Medium sand	percent	10	10	100	0.74	42.1	7.83	3.52	12.2	0.74	42.1	7.83	3.52	12.2
Medium silt	percent	1	1	100		5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
Sand	percent	7	7	100	30	91	63.5	65.89	89.1	30	91	63.5	65.89	89.1
Silt	percent	15	15	100	4	70.1	37.3	31.4	60.8	4	70.1	37.3	31.4	60.8
Very coarse sand	percent	10	10	100	0.11	2.02	0.543	0.29	0.91	0.11	2.02	0.543	0.29	0.91
Very fine sand	percent	10	10	100	7.26	34.2	15.9	14.7	21	7.26	34.2	15.9	14.7	21
Very fine silt	percent	1	1	100	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
Conventionals														
Ammonia	mg/kg	7	7	100	67	157	123	139	150	67	157	123	139	150
Specific Gravity	NA	1	1	100	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sulfide	mg/kg	10	10	100	1.5	18.9	7.91	6	17.2	1.5	18.9	7.91	6	17.2
Total organic carbon	percent	17	17	100	0.17	2.54	1.63	1.68	2.54	0.17	2.54	1.63	1.68	2.54
Total solids	percent	17	17	100	38.5	80.3	52.5	51.5	69.6	38.5	80.3	52.5	51.5	69.6
Total volatile solids	percent	8	8	100	1.22	8.36	6.24	6.9	8.11	1.22	8.36	6.24	6.9	8.11
Metals														
Aluminum	mg/kg	8	8	100	24500	34800	28700	27400	31400	24500	34800	28700	27400	31400
Antimony	mg/kg	17	14	82.4	0.08 J	0.24	0.11	0.1 J	0.13 N	0.08 J	2.46 UJ	0.3	0.11 J	1.195 U
Arsenic	mg/kg	17	14	82.4	2.94	4.7	3.49	3.3	4.4	2.28 U	4.7	3.09	3.21	4.4
Beryllium	mg/kg	1	1	100	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Cadmium	mg/kg	17	13	76.5	0.16	0.249	0.195	0.2	0.222	0.08 U	0.3 U	0.177	0.179	0.222
Chromium	mg/kg	14	14	100	20.1	51.8	27.3	24.8	30.9	20.1	51.8	27.3	24.8	30.9
Copper	mg/kg	17	16	94.1	24.2	48.7	31.8	28.7	48.4 J	14.4 U	48.7	30.3	28.7	48.4 J
Lead	mg/kg	17	17	100	6.4	17.9	13.1	12.4	17.9	6.4	17.9	13.1	12.4	17.9
Mercury	mg/kg	17	13	76.5	0.04	0.56	0.0983	0.06	0.094	0.038 U	0.56	0.0934	0.06	0.1 U
Nickel	mg/kg	17	17	100	15.9 J	42.1	23.8	22.8 J	28.9	15.9 J	42.1	23.8	22.8 J	28.9
Selenium	mg/kg	9	4	44.4	0.12	0.16	0.143	0.14	0.15	0.07 U	1.95 U	0.194	0.12	0.16
Silver	mg/kg	17	16	94.1	0.082	0.38	0.175	0.14	0.28	0.082	0.38	0.17	0.14	0.28
Thallium	mg/kg	1	1	100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Zinc	mg/kg	17	17	100	54.1 J	105	79.7	78.7	93.9 N	54.1 J	105	79.7	78.7	93.9 N
Butyltins														
Butyltin ion	ug/kg	3	3	100	0.6 J	2	1.53	2	2	0.6 J	2	1.53	2	2
Dibutyltin ion	ug/kg	3	3	100	0.6 J	3	1.5	0.9 J	0.9 J	0.6 J	3	1.5	0.9 J	0.9 J
Tetrabutyltin	ug/kg	3	0	0						3 U	3 U	1.5	1.5 U	1.5 U
Tributyltin ion	ug/kg	3	3	100	0.4 J	12	4.36	0.69 J	0.69 J	0.4 J	12	4.36	0.69 J	0.69 J
PCB Aroclors														
Aroclor 1016	ug/kg	17	0	0						1.48 U	10 U	3.3	5 U	5 U
Aroclor 1221	ug/kg	17	1	5.88	12.4	12.4	12.4	12.4	12.4	2.6 U	20 U	6.63	10 U	10 U
Aroclor 1232	ug/kg	17	0	0						2.47 U	11 U	3.36	5 U	5 U
Aroclor 1242	ug/kg	17	0	0						1.5 U	10 U	3.3	5 U	5 U
Aroclor 1248	ug/kg	17	0	0						1.93 U	10 U	3.31	5 U	5 U
Aroclor 1254	ug/kg	17	12	70.6	5 J	23	10.7	9.2 J	17 J	5 J	23	9.01	8 J	17 J
Aroclor 1260	ug/kg	17	10	58.8	6.1 J	20	11.5	8.88	19	6.1 J	20	8.85	7.8 J	19
Aroclor 1262	ug/kg	8	0	0						1.38 U	3.4 U	1.37	1.4 U	1.6 U

BZTO104(e)028307

Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Aroclor 1268	ug/kg	8	0	0						1.18 UJ	3.4 U	1.36	1.4 U	1.6 U
Total PCB Aroclors	ug/kg	17	13	76.5	5 T	35 T	19.7	17.9 T	33 T	5 T	35 T	17.4	16.4 T	33 T
PCB Congeners														
PCB001	ug/kg	1	1	100	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106
PCB002	ug/kg	1	1	100	0.00341	0.00341	0.00341	0.00341	0.00341	0.00341	0.00341	0.00341	0.00341	0.00341
PCB003	ug/kg	1	1	100	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577
PCB004 & 010	ug/kg	1	1	100	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131
PCB005 & 008	ug/kg	1	1	100	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689
PCB006	ug/kg	1	1	100	0.0269	0.0269	0.0269	0.0269	0.0269	0.0269	0.0269	0.0269	0.0269	0.0269
PCB007 & 009	ug/kg	1	1	100	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
PCB011	ug/kg	1	1	100	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845
PCB012 & 013	ug/kg	1	1	100	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068
PCB014	ug/kg	1	0	0						0.00496 U	0.00496 U	0.00248	0.00248 U	0.00248 U
PCB015	ug/kg	1	1	100	0.0616	0.0616	0.0616	0.0616	0.0616	0.0616	0.0616	0.0616	0.0616	0.0616
PCB016 & 032	ug/kg	1	1	100	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144
PCB017	ug/kg	1	1	100	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423
PCB018	ug/kg	1	1	100	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
PCB019	ug/kg	1	1	100	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
PCB020 & 021 & 033	ug/kg	1	1	100	0.0762	0.0762	0.0762	0.0762	0.0762	0.0762	0.0762	0.0762	0.0762	0.0762
PCB022	ug/kg	1	1	100	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
PCB023	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB024 & 027	ug/kg	1	1	100	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611
PCB025	ug/kg	1	1	100	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
PCB026	ug/kg	1	1	100	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409
PCB028	ug/kg	1	1	100	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185
PCB029	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB030	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB031	ug/kg	1	1	100	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
PCB034	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB035	ug/kg	1	1	100	0.00367	0.00367	0.00367	0.00367	0.00367	0.00367	0.00367	0.00367	0.00367	0.00367
PCB036	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB037	ug/kg	1	1	100	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462
PCB038	ug/kg	1	1	100	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
PCB039	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB040	ug/kg	1	1	100	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453
PCB041 & 064 &071 &072	ug/kg	1	1	100	0.306	0.306	0.306	0.306	0.306	0.306	0.306	0.306	0.306	0.306
PCB042 & 059	ug/kg	1	1	100	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
PCB043 & 049	ug/kg	1	1	100	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
PCB044	ug/kg	1	1	100	0.291	0.291	0.291	0.291	0.291	0.291	0.291	0.291	0.291	0.291
PCB045	ug/kg	1	1	100	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503
PCB046	ug/kg	1	1	100	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358
PCB047	ug/kg	1	1	100	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
PCB048 & 075	ug/kg	1	1	100	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592
PCB050	ug/kg	1	1	100	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157
PCB051	ug/kg	1	1	100	0.298	0.298	0.298	0.298	0.298	0.298	0.298	0.298	0.298	0.298
PCB052 & 069	ug/kg	1	1	100	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664
PCB053	ug/kg	1	1	100	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
PCB054	ug/kg	1	1	100	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
PCB055	ug/kg	1	1	100	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
PCB056 & 060	ug/kg	1	1	100	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
PCB057	ug/kg	1	1	100	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765
PCB058	ug/kg	1	1	100	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648
PCB061 & 070	ug/kg	1	1	100	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284	0.284
PCB062	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB063	ug/kg	1	1	100	0.00848	0.00848	0.00848	0.00848	0.00848	0.00848	0.00848	0.00848	0.00848	0.00848
PCB065	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB066 & 076	ug/kg	1	1	100	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213	0.213

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB067	ug/kg	1	1	100	0.00643	0.00643	0.00643	0.00643	0.00643	0.00643	0.00643	0.00643	0.00643	0.00643
PCB068	ug/kg	1	1	100	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078
PCB073	ug/kg	1	1	100	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286
PCB074	ug/kg	1	1	100	0.0947	0.0947	0.0947	0.0947	0.0947	0.0947	0.0947	0.0947	0.0947	0.0947
PCB077	ug/kg	1	1	100	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
PCB078	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB079	ug/kg	1	1	100	0.00702	0.00702	0.00702	0.00702	0.00702	0.00702	0.00702	0.00702	0.00702	0.00702
PCB080	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB081	ug/kg	1	1	100	0.0012 J	0.0012 J	0.0012	0.0012 J	0.0012 J	0.0012 J	0.0012 J	0.0012	0.0012 J	0.0012 J
PCB082	ug/kg	1	1	100	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552
PCB083	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB084 & 092	ug/kg	1	1	100	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
PCB085 & 116	ug/kg	1	1	100	0.0787	0.0787	0.0787	0.0787	0.0787	0.0787	0.0787	0.0787	0.0787	0.0787
PCB086	ug/kg	1	1	100	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284
PCB087 & 117 & 125	ug/kg	1	1	100	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209
PCB088 & 091	ug/kg	1	1	100	0.338	0.338	0.338	0.338	0.338	0.338	0.338	0.338	0.338	0.338
PCB089	ug/kg	1	1	100	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PCB090 & 101	ug/kg	1	1	100	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.834
PCB093	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB094	ug/kg	1	1	100	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
PCB095 & 098 & 102	ug/kg	1	1	100	0.988	0.988	0.988	0.988	0.988	0.988	0.988	0.988	0.988	0.988
PCB096	ug/kg	1	1	100	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605
PCB097	ug/kg	1	1	100	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
PCB099	ug/kg	1	1	100	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
PCB100	ug/kg	1	1	100	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
PCB103	ug/kg	1	1	100	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
PCB104	ug/kg	1	1	100	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372
PCB105	ug/kg	1	1	100	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
PCB106 & 118	ug/kg	1	1	100	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453	0.453
PCB107 & 109	ug/kg	1	1	100	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459
PCB108 & 112	ug/kg	1	1	100	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303	0.0303
PCB110	ug/kg	1	1	100	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
PCB111 & 115	ug/kg	1	1	100	0.00971	0.00971	0.00971	0.00971	0.00971	0.00971	0.00971	0.00971	0.00971	0.00971
PCB113	ug/kg	1	1	100	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142
PCB114	ug/kg	1	1	100	0.00945	0.00945	0.00945	0.00945	0.00945	0.00945	0.00945	0.00945	0.00945	0.00945
PCB119	ug/kg	1	1	100	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104
PCB120	ug/kg	1	1	100	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475	0.00475
PCB121	ug/kg	1	1	100	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322
PCB122	ug/kg	1	1	100	0.00612	0.00612	0.00612	0.00612	0.00612	0.00612	0.00612	0.00612	0.00612	0.00612
PCB123	ug/kg	1	1	100	0.00784	0.00784	0.00784	0.00784	0.00784	0.00784	0.00784	0.00784	0.00784	0.00784
PCB124	ug/kg	1	1	100	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214
PCB126	ug/kg	1	1	100	0.00393	0.00393	0.00393	0.00393	0.00393	0.00393	0.00393	0.00393	0.00393	0.00393
PCB127	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB128 & 162	ug/kg	1	1	100	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
PCB129	ug/kg	1	1	100	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357
PCB130	ug/kg	1	1	100	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612
PCB131	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB132 & 161	ug/kg	1	1	100	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361	0.361
PCB133 & 142	ug/kg	1	1	100	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
PCB134 & 143	ug/kg	1	1	100	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647
PCB135	ug/kg	1	1	100	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
PCB136	ug/kg	1	1	100	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403	0.403
PCB137	ug/kg	1	1	100	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325
PCB138 & 163 & 164	ug/kg	1	1	100	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
PCB139 & 149	ug/kg	1	1	100	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
PCB140	ug/kg	1	1	100	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359
PCB141	ug/kg	1	1	100	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216	0.216

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB144	ug/kg	1	1	100	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568	0.0568
PCB145	ug/kg	1	1	100	0.00357	0.00357	0.00357	0.00357	0.00357	0.00357	0.00357	0.00357	0.00357	0.00357
PCB146 & 165	ug/kg	1	1	100	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328	0.328
PCB147	ug/kg	1	1	100	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
PCB148	ug/kg	1	1	100	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633
PCB150	ug/kg	1	1	100	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593
PCB151	ug/kg	1	1	100	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429	0.429
PCB152	ug/kg	1	1	100	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131
PCB153	ug/kg	1	1	100	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
PCB154	ug/kg	1	1	100	0.194	0.194	0.194	0.194	0.194	0.194	0.194	0.194	0.194	0.194
PCB155	ug/kg	1	1	100	0.00963	0.00963	0.00963	0.00963	0.00963	0.00963	0.00963	0.00963	0.00963	0.00963
PCB156	ug/kg	1	1	100	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723
PCB157	ug/kg	1	1	100	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222
PCB158 & 160	ug/kg	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
PCB159	ug/kg	1	1	100	0.0945	0.0945	0.0945	0.0945	0.0945	0.0945	0.0945	0.0945	0.0945	0.0945
PCB166	ug/kg	1	1	100	0.00249	0.00249	0.00249	0.00249	0.00249	0.00249	0.00249	0.00249	0.00249	0.00249
PCB167	ug/kg	1	1	100	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342
PCB168	ug/kg	1	1	100	0.00865	0.00865	0.00865	0.00865	0.00865	0.00865	0.00865	0.00865	0.00865	0.00865
PCB169	ug/kg	1	0	0						0.000648 U	0.000648 U	0.000324	0.000324 U	0.000324 U
PCB170	ug/kg	1	1	100	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
PCB171	ug/kg	1	1	100	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
PCB172	ug/kg	1	1	100	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
PCB173	ug/kg	1	1	100	0.00842	0.00842	0.00842	0.00842	0.00842	0.00842	0.00842	0.00842	0.00842	0.00842
PCB174	ug/kg	1	1	100	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464	0.464
PCB175	ug/kg	1	1	100	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261
PCB176	ug/kg	1	1	100	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
PCB177	ug/kg	1	1	100	0.677	0.677	0.677	0.677	0.677	0.677	0.677	0.677	0.677	0.677
PCB178	ug/kg	1	1	100	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532
PCB179	ug/kg	1	1	100	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537
PCB180	ug/kg	1	1	100	0.913	0.913	0.913	0.913	0.913	0.913	0.913	0.913	0.913	0.913
PCB181	ug/kg	1	1	100	0.00295	0.00295	0.00295	0.00295	0.00295	0.00295	0.00295	0.00295	0.00295	0.00295
PCB182 & 187	ug/kg	1	1	100	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07
PCB183	ug/kg	1	1	100	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244
PCB184	ug/kg	1	1	100	0.00717	0.00717	0.00717	0.00717	0.00717	0.00717	0.00717	0.00717	0.00717	0.00717
PCB185	ug/kg	1	1	100	0.0481	0.0481	0.0481	0.0481	0.0481	0.0481	0.0481	0.0481	0.0481	0.0481
PCB186	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB188	ug/kg	1	1	100	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297
PCB189	ug/kg	1	1	100	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142
PCB190	ug/kg	1	1	100	0.0699	0.0699	0.0699	0.0699	0.0699	0.0699	0.0699	0.0699	0.0699	0.0699
PCB191	ug/kg	1	1	100	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
PCB192	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB193	ug/kg	1	1	100	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
PCB194	ug/kg	1	1	100	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0.676
PCB195	ug/kg	1	1	100	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254	0.254
PCB196 & 203	ug/kg	1	1	100	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747
PCB197	ug/kg	1	1	100	0.0861	0.0861	0.0861	0.0861	0.0861	0.0861	0.0861	0.0861	0.0861	0.0861
PCB198	ug/kg	1	1	100	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277
PCB199	ug/kg	1	1	100	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
PCB200	ug/kg	1	1	100	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664
PCB201	ug/kg	1	1	100	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255
PCB202	ug/kg	1	1	100	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312
PCB204	ug/kg	1	0	0						0.00248 U	0.00248 U	0.00124	0.00124 U	0.00124 U
PCB205	ug/kg	1	1	100	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329
PCB206	ug/kg	1	1	100	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381
PCB207	ug/kg	1	1	100	0.0518	0.0518	0.0518	0.0518	0.0518	0.0518	0.0518	0.0518	0.0518	0.0518
PCB208	ug/kg	1	1	100	0.0649	0.0649	0.0649	0.0649	0.0649	0.0649	0.0649	0.0649	0.0649	0.0649
PCB209	ug/kg	1	1	100	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Total PCB Congeners	ug/kg	1	1	100	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
PCB Homologs														
Dichlorobiphenyl homologs	ug/kg	1	1	100	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388
Heptachlorobiphenyl homologs	ug/kg	1	1	100	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57
Hexachlorobiphenyl homologs	ug/kg	1	1	100	8.23	8.23	8.23	8.23	8.23	8.23	8.23	8.23	8.23	8.23
Monochlorobiphenyl homologs	ug/kg	1	1	100	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198
Nonachlorobiphenyl homologs	ug/kg	1	1	100	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
Octachlorobiphenyl homologs	ug/kg	1	1	100	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58
Pentachlorobiphenyl homologs	ug/kg	1	1	100	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Tetrachlorobiphenyl homologs	ug/kg	1	1	100	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53	4.53
Trichlorobiphenyl homologs	ug/kg	1	1	100	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
2,3,7,8-TCDD TEQ														
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	1	1	100	0.512 JT	0.512 JT	0.512	0.512 JT	0.512 JT	0.512 JT	0.512 JT	0.512	0.512 JT	0.512 JT
Pesticides														
2,4'-DDD	ug/kg	8	1	12.5	3.28 J	3.28 J	3.28	3.28 J	3.28 J	0.3 U	3.28 J	0.657	0.185 U	0.6 U
2,4'-DDE	ug/kg	8	0	0						0.45 U	1 U	0.321	0.265 U	0.48 U
2,4'-DDT	ug/kg	8	5	62.5	0.63 J	1.6 J	1.03	0.99 NJ	1.2 J	0.63 J	1.6 J	0.835	0.63 J	1.2 J
4,4'-DDD	ug/kg	16	9	56.3	0.39 NJ	3.2	1.22	1.1 NJ	1.5 *	0.3 U	3.3 U*	1.16	1.1 NJ	1.65 U*
4,4'-DDE	ug/kg	16	12	75	0.6 J*	3.5 J	1.63	1.31 J	2.3 *	0.6 J*	3.5 J	1.47	1.15 U*	2.3 *
4,4'-DDT	ug/kg	16	7	43.8	0.6 J*	3.1 *	1.31	1.1 J	1.3	0.6 J*	6.7 U*	1.52	1 *	3.35 U*
Aldrin	ug/kg	13	0	0						0.19 U	2 U	0.383	0.299 UJ	1 U
alpha-Endosulfan	ug/kg	13	0	0						0.14 U	2 U	0.466	0.5 U	1 U
alpha-Hexachlorocyclohexane	ug/kg	13	0	0						0.3 U	2 U	0.384	0.195 U	1 U
beta-Endosulfan	ug/kg	13	1	7.69	0.7 NJ	0.7 NJ	0.7	0.7 NJ	0.7 NJ	0.18 U	2 U	0.395	0.299 U	1 U
beta-Hexachlorocyclohexane	ug/kg	13	0	0						0.598 U	2 U	0.59	0.55 U	1 U
Chlordane (cis & trans)	ug/kg	12	0	0						2 UT	21 U	5.03	5 U	10 U
cis-Chlordane	ug/kg	10	1	10	0.463 J	0.463 J	0.463	0.463 J	0.463 J	0.22 U	2 U	0.361	0.125 U	1 U
cis-Nonachlor	ug/kg	8	0	0						0.32 U	1 U	0.246	0.185 U	0.299 U
delta-Hexachlorocyclohexane	ug/kg	13	0	0						0.32 U	2 U	0.39	0.21 U	1 U
Dieldrin	ug/kg	13	2	15.4	0.3 J	2.5 NJ	1.4	0.3 J	0.3 J	0.24 U	2.5 NJ	0.559	0.38 U	1 U
Endosulfan sulfate	ug/kg	13	1	7.69	0.3 J	0.3 J	0.3	0.3 J	0.3 J	0.21 U	2 U	0.482	0.5 U	0.9 U
Endrin	ug/kg	12	0	0						0.12 U	2 U	0.39	0.34 U	1 U
Endrin aldehyde	ug/kg	13	1	7.69	0.47 J	0.47 J	0.47	0.47 J	0.47 J	0.16 U	2 U	0.372	0.299 U	1 U
Endrin ketone	ug/kg	13	4	30.8	0.22 J	1.7 NJ	1.02	0.54 J	1.6	0.13 U	2 U	0.655	0.5 U	1.6
gamma-Hexachlorocyclohexane	ug/kg	13	1	7.69	1.7	1.7	1.7	1.7	1.7	0.43 U	2 U	0.565	0.37 U	1 U
Heptachlor	ug/kg	13	1	7.69	0.72 J	0.72 J	0.72	0.72 J	0.72 J	0.35 U	2 U	0.505	0.5 U	1 U
Heptachlor epoxide	ug/kg	13	0	0						0.55 U	2.1 U	0.621	0.55 U	1 U
Methoxychlor	ug/kg	13	1	7.69	3.46 J	3.46 J	3.46	3.46 J	3.46 J	0.39 U	4 U	0.832	0.5 U	2 U
Mirex	ug/kg	8	0	0						0.32 U	0.598 U	0.196	0.18 U	0.21 U
Oxychlordane	ug/kg	8	0	0						0.32 U	1.1 U	0.321	0.195 U	0.5 U
Total Chlordanes	ug/kg	8	8	100	0.27 JT	1.51 JT	0.648	0.39 JT	1.4 JT	0.27 JT	1.51 JT	0.648	0.39 JT	1.4 JT
Total Endosulfan	ug/kg	13	2	15.4	0.3 JT	0.7 JT	0.5	0.3 JT	0.3 JT	0.21 UT	2 UT	0.498	0.5 UT	0.9 UT
Total of 2,4' and 4,4'-DDD	ug/kg	8	5	62.5	0.39 JT	4.28 JT	2.07	1.4 JT	3.2 T	0.39 JT	4.28 JT	1.62	1.1 JT	3.2 T
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	8	8	100	2 JT	7.9 JT	3.85	2.8 JT	7.19 JT	2 JT	7.9 JT	3.85	2.8 JT	7.19 JT
Total of 2,4' and 4,4'-DDE	ug/kg	8	7	87.5	0.89 JT	3.5 JT	1.69	1.31 JT	2 JT	0.89 JT	3.5 JT	1.54	1.3 JT	2 JT
Total of 2,4' and 4,4'-DDT	ug/kg	8	6	75	0.71 JT	2.09 JT	1.44	1.2 JT	1.93 JT	0.71 JT	2.09 JT	1.3	1.1 JT	1.93 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	16	13	81.3	1.1 T	6.7 T	3.05	2.31 JT	6.7 T	1.1 T	6.7 T	3.11	2.59 T	6.7 T
Toxaphene	ug/kg	13	0	0						15 U	79 U	22.4	25 U	37.4 U
trans-Chlordane	ug/kg	10	8	80	0.27 J	1.4 NJ	0.559	0.39 NJ	0.798 NJ	0.27 J	2 U	0.647	0.4 J	1 U
trans-Nonachlor	ug/kg	8	1	12.5	0.248 NJ	0.248 NJ	0.248	0.248 NJ	0.248 NJ	0.248 NJ	0.42 U	0.19	0.18 U	0.21 U
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	17	11	64.7	1 J	440	41.9	2 J	5.5	1 J	440	33.3	3.2	25 U
Acenaphthene	ug/kg	17	8	47.1	0.93 J	160	22.5	1.9 J	7	0.93 J	160	17.8	7	25 U
Acenaphthylene	ug/kg	17	9	52.9	1.2 J	71	11.7	3.5	10 J	1.2 J	71	12.9	8.7	25 U
Anthracene	ug/kg	17	12	70.6	1 J	270	34.2	3.8	43	1 J	270	29.7	10 U	43
Benzo(a)anthracene	ug/kg	17	12	70.6	6 J	300	64.1	16	220	6 J	300	50.8	19	220
Benzo(a)pyrene	ug/kg	17	12	70.6	6 J	330	54.1	18	120	6 J	330	43.8	22	120

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Benzo(b)fluoranthene	ug/kg	17	12	70.6	7 J	340	58.3	17	140	7 J	340	46.8	18	140
Benzo(b+k)fluoranthene	ug/kg	16	11	68.8	13 T	310 T	61.6	31 T	98 T	13 T	310 T	48.3	25 UT	98 T
Benzo(g,h,i)perylene	ug/kg	17	12	70.6	7	180	33.6	16	66	7	180	29.3	17	66
Benzo(k)fluoranthene	ug/kg	17	12	70.6	6 J	170	34.3	14	94	6 J	170	29.8	16	94
Chrysene	ug/kg	17	12	70.6	8 J	350	83.9	22	340	8 J	350	64.8	24	340
Dibenzo(a,h)anthracene	ug/kg	17	9	52.9	1.3 J	41	9.34	2.9	22	1.3 J	50 U	11.4	5.4	25 U
Fluoranthene	ug/kg	17	14	82.4	14	620	126	33	500	14	620	108	31	500
Fluorene	ug/kg	17	9	52.9	1 J	230	30.7	2 J	20	1 J	230	23	10 J	25 U
High Molecular Weight PAH	ug/kg	17	15	88.2	20 T	3260 T	541	161 JT	2120 T	20 T	3260 T	480	136 T	2120 T
Indeno(1,2,3-cd)pyrene	ug/kg	17	12	70.6	6	180	32.9	14	64	6	180	28.8	17	64
Low Molecular Weight PAH	ug/kg	17	12	70.6	12 JT	2990 T	311	25.3 JT	179 T	12 JT	2990 T	225	25 UT	179 T
Naphthalene	ug/kg	17	5	29.4	3 J	320	73.6	4 J	38	3 J	320	28.5	4 J	38
Phenanthrene	ug/kg	17	12	70.6	7 J	1500	161	16	99	7 J	1500	120	20	99
Pyrene	ug/kg	17	15	88.2	16	950	128	32	350	16	950	116	32	350
Total PAHs	ug/kg	17	15	88.2	20 T	6250 T	789	186.3 JT	2290 T	20 T	6250 T	699	136 T	2290 T
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	17	14	82.4	58	950	242	130	420	58	950	213	120	420
Butylbenzyl phthalate	ug/kg	14	5	35.7	4.5 J	24	8.82	5 J	5.8 J	2.5 UJ	100 U	15.1	5 J	50 U
Dibutyl phthalate	ug/kg	14	2	14.3	1 J	6.4 J	3.7	1 J	1 J	1 J	100 U	16.1	7 U	50 U
Diethyl phthalate	ug/kg	14	3	21.4	3 J	7 J	4.67	4 J	4 J	3 J	100 U	13.9	4 U	50 U
Dimethyl phthalate	ug/kg	14	0	0						3 UJ	100 U	13.1	2.2 U	50 U
Di-n-octyl phthalate	ug/kg	14	1	7.14	3.4 J	3.4 J	3.4	3.4 J	3.4 J	2 UJ	300 U	23.1	1.6 U	50 U
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/kg	14	0	0						2.5 UJ	20 U	4.33	1.85 U	10 U
1,2-Dichlorobenzene	ug/kg	14	0	0						2.2 UJ	15 U	3.14	1.6 U	5 U
1,3-Dichlorobenzene	ug/kg	14	0	0						2.7 UJ	15 U	3.33	1.95 U	5 U
1,4-Dichlorobenzene	ug/kg	14	1	7.14	11	11	11	11	11	3.1 UJ	15 U	4.15	2.5 U	7.5 U
2,4-Dinitrotoluene	ug/kg	11	0	0						4.6 UJ	74 U	7.4	3.2 U	10 U
2,6-Dinitrotoluene	ug/kg	11	0	0						4.6 UJ	30 U	4.49	3.2 U	5 U
2-Chloronaphthalene	ug/kg	11	0	0						5 U	15 U	3.98	3.85 U	4.7 U
2-Nitroaniline	ug/kg	11	0	0						4.5 UJ	30 U	4.42	3.1 U	5 U
3,3'-Dichlorobenzidine	ug/kg	11	0	0						6.1 UJ	100 U	11.1	4.2 U	20 U
3-Nitroaniline	ug/kg	11	0	0						4.3 UJ	300 U	33.9	2.95 U	100 U
4-Bromophenyl phenyl ether	ug/kg	11	0	0						2.3 UJ	15 U	2.7	1.6 U	5 U
4-Chloroaniline	ug/kg	11	0	0						3.5 UJ	74 U	9.57	2.4 U	25 U
4-Chlorophenyl phenyl ether	ug/kg	11	0	0						3.3 UJ	15 U	3.17	2.3 U	5 U
4-Nitroaniline	ug/kg	11	0	0						5.6 UJ	150 U	10.4	3.9 U	5 U
Aniline	ug/kg	10	0	0						2.5 UJ	200 U	21.3	1.7 U	100 U
Azobenzene	ug/kg	8	0	0						4 UJ	6.3 U	2.63	2.6 U	2.95 U
Benzoic acid	ug/kg	14	1	7.14	60 J	60 J	60	60 J	60 J	60 J	250 U	109	110 U	125 U
Benzyl alcohol	ug/kg	14	2	14.3	9.3 J	13	11.2	9.3 J	9.3 J	6.1 UJ	74 U	12.2	9.3 J	25 U
Bis(2-chloro-1-methylethyl) ether	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Bis(2-chloroethoxy) methane	ug/kg	11	0	0						2.2 UJ	30 U	3.31	1.5 U	5 U
Bis(2-chloroethyl) ether	ug/kg	11	0	0						4 UJ	15 U	3.5	2.75 U	5 U
Bis(2-chloroisopropyl) ether	ug/kg	9	0	0						2 UJ	15 U	2.01	1.35 U	1.6 U
Carbazole	ug/kg	9	4	44.4	5 J	17 J	9	5 J	9 J	2.6 U	17 J	4.81	1.7 U	9 J
Dibenzofuran	ug/kg	17	9	52.9	0.66 J	25	5	1 J	8.2	0.66 J	50 U	9.12	4.5	25 U
Hexachlorobenzene	ug/kg	14	1	7.14	4.84	4.84	4.84	4.84	4.84	0.39 U	20 U	3.86	0.335 U	10 U
Hexachlorobutadiene	ug/kg	14	0	0						0.53 U	20 U	3.57	0.33 U	10 U
Hexachlorocyclopentadiene	ug/kg	11	0	0						25 UJ	300 U	43.8	17.5 U	100 U
Hexachloroethane	ug/kg	14	1	7.14	1.3 NJ	1.3 NJ	1.3	1.3 NJ	1.3 NJ	0.5 U	59 U	10.6	0.41 U	25 U
Isophorone	ug/kg	11	0	0						2.7 UJ	15 U	2.87	1.85 U	5 U
Nitrobenzene	ug/kg	11	0	0						3.3 UJ	15 U	3.17	2.3 U	5 U
N-Nitrosodimethylamine	ug/kg	10	0	0						10 UJ	16 U	6.4	6.5 U	7.5 U
N-Nitrosodiphenylamine	ug/kg	14	0	0						3.6 UJ	20 U	4.76	2.7 U	10 U
N-Nitrosodipropylamine	ug/kg	11	0	0						5.3 UJ	15 U	4.13	3.65 U	5 U
Phenols														

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,3,4,5-Tetrachlorophenol	ug/kg	8	0	0						0.84 U	4.8 U	0.731	0.48 U	0.6 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	1	0	0						3 U	3 U	1.5	1.5 U	1.5 U
2,3,5,6-Tetrachlorophenol	ug/kg	7	0	0						0.82 U	1.1 U	0.478	0.47 U	0.55 U
2,4,5-Trichlorophenol	ug/kg	11	0	0						0.65 U	74 U	7.35	0.4 U	20 U
2,4,6-Trichlorophenol	ug/kg	11	0	0						0.49 U	74 U	6.41	0.305 U	15 U
2,4-Dichlorophenol	ug/kg	11	0	0						3 UJ	150 U	17.3	2.05 U	50 U
2,4-Dimethylphenol	ug/kg	17	0	0						9 UJ	300 U	27.8	10 U	100 U
2,4-Dinitrophenol	ug/kg	11	0	0						59 UJ	440 U	75.7	41 U	150 U
2-Chlorophenol	ug/kg	11	0	0						2.8 UJ	74 U	9.26	1.95 U	25 U
2-Methylphenol	ug/kg	14	0	0						5.6 UJ	300 U	22.1	4.15 U	50 U
2-Nitrophenol	ug/kg	11	0	0						4.3 UJ	74 U	9.05	2.95 U	20 U
3- and 4-Methylphenol Coelution	ug/kg	4	0	0						100 U	300 U	75	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/kg	11	0	0						2.8 UJ	300 U	24.1	1.95 U	50 U
4-Chloro-3-methylphenol	ug/kg	11	1	9.09	4.3 J	4.3 J	4.3	4.3 J	4.3 J	4.1 U	74 U	9.8	2.55 U	25 U
4-Methylphenol	ug/kg	13	7	53.8	6.9 J	110	37	27	44	4.8 UJ	200 U	49.3	44	100 U
4-Nitrophenol	ug/kg	11	0	0						49 UJ	150 U	39.6	34.5 U	50 U
Pentachlorophenol	ug/kg	17	1	5.88	8.7 J	8.7 J	8.7	8.7 J	8.7 J	0.9 U	440 U	62.5	50 U	150 U
Phenol	ug/kg	14	1	7.14	10 J	10 J	10	10 J	10 J	6.3 UJ	100 U	19.8	10.5 U	50 U
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1,1-Trichloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1,2-Trichloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1-Dichloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1-Dichloroethene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,1-Dichloropropene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,2,3-Trichlorobenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
1,2,3-Trichloropropane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,2,4-Trimethylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
1,2-Dibromo-3-chloropropane	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
1,2-Dichloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,2-Dichloropropane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1,3,5-Trimethylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
1,3-Dichloropropane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
1-Methyl-4-isopropylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
2,2-Dichloropropane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
2-Chlorotoluene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
4-Chlorotoluene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Acetone	ug/kg	5	3	60	10 J	20 J	13.3	10 J	10 J	10 J	100 U	28	20 J	50 U
Benzene	ug/kg	8	0	0						5 U	10 U	3.55	3.3 U	5 U
Bromobenzene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Bromochloromethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Bromodichloromethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Bromoform	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Bromomethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
BTEX	ug/kg	8	0	0						5 UT	10 UT	3.55	3.3 UT	5 UT
Carbon disulfide	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Carbon tetrachloride	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Chlorobenzene	ug/kg	5	2	40	2 J	4 J	3	2 J	2 J	2 J	10 U	3.86	4 J	5 U
Chlorodibromomethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Chloroethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Chloroform	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Chloromethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
cis-1,2-Dichloroethene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
cis-1,3-Dichloropropene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Dichlorodifluoromethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Ethylbenzene	ug/kg	8	0	0						5 U	10 U	3.55	3.3 U	5 U

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Table C1-5. Summary Statistics for All Analytes, Surface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Ethylene dibromide	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Isopropylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
m,p-Xylene	ug/kg	8	0	0						5 U	10 U	3.55	3.3 U	5 U
Methyl isobutyl ketone	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Methyl n-butyl ketone	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Methylene bromide	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Methylene chloride	ug/kg	2	0	0						20 U	20 U	10	10 U	10 U
Methylethyl ketone	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
n-Butylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
n-Propylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
o-Xylene	ug/kg	8	0	0						5 U	10 U	3.55	3.3 U	5 U
Sec-butylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Styrene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
tert-Butylbenzene	ug/kg	2	0	0						40 U	40 U	20	20 U	20 U
Tetrachloroethene	ug/kg	5	0	0						6.6 U	10 U	4.18	3.95 U	5 U
Toluene	ug/kg	5	0	0						5 U	10 U	3.5	2.5 U	5 U
trans-1,2-Dichloroethene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
trans-1,3-Dichloropropene	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Trichloroethene	ug/kg	8	0	0						5 U	10 U	3.55	3.3 U	5 U
Trichlorofluoromethane	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Vinyl chloride	ug/kg	2	0	0						10 U	10 U	5	5 U	5 U
Xylene	ug/kg	8	0	0						5 UT	10 UT	3.55	3.3 U	5 UT
Petroleum														
Diesel Range Hydrocarbons	mg/kg	11	8	72.7	46 J	150 J	86.3	77 J	130 J	10 U	150 J	64.5	72 J	130 J
Gasoline Range Hydrocarbons	mg/kg	11	0	0						2 U	61 U	5.32	1.25 U	10 UJ
Heavy oil	mg/kg	3	0	0						25 U	50 U	16.7	12.5 U	12.5 U
Jet fuel A	mg/kg	3	0	0						10 U	20 U	6.67	5 U	5 U
JP-4 jet fuel	mg/kg	3	0	0						10 UJ	20 UJ	6.67	5 UJ	5 UJ
Kerosene	mg/kg	3	0	0						10 U	20 U	6.67	5 U	5 U
Lube Oil	mg/kg	3	0	0						25 U	50 U	16.7	12.5 U	12.5 U
Mineral spirits	mg/kg	3	0	0						10 U	20 U	6.67	5 U	5 U
Naphtha distillate	mg/kg	3	0	0						10 UJ	20 UJ	6.67	5 UJ	5 UJ
Non-petroleum hydrocarbons	mg/kg	3	0	0						50 U	100 U	33.3	25 U	25 U
Residual Range Hydrocarbons	mg/kg	8	8	100	300 J	900 J	531	510 J	760 J	300 J	900 J	531	510 J	760 J
Total Petroleum Hydrocarbons	mg/kg	11	10	90.9	116	1050 JT	517	437 JT	890 JT	25 U	1050 JT	472	437 JT	890 JT

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-6. Summary Statistics for All Analytes, Subsurface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
Clay	percent	11	11	100	4.35	17.9	7.9	6.3	11.3	4.35	17.9	7.9	6.3	11.3
Coarse sand	percent	7	7	100	0.38	25.2	5.88	3.38	5.77	0.38	25.2	5.88	3.38	5.77
Fine gravel	percent	7	7	100		0.89	0.164	0.02	0.19	0	0.89	0.164	0.02	0.19
Fine sand	percent	7	7	100	16.6	51	29.2	27.6	37	16.6	51	29.2	27.6	37
Fines	percent	11	11	100	14.3 T	69.38	42.9	48.8 T	63.6 T	14.3 T	69.38	42.9	48.8 T	63.6 T
Gravel	percent	1	1	100	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Mean grain size	mm	4	4	100	0.0501	0.208	0.103	0.0558	0.0978	0.0501	0.208	0.103	0.0558	0.0978
Median grain size	mm	4	4	100	0.04	0.25	0.103	0.06	0.06	0.04	0.25	0.103	0.06	0.06
Medium gravel	percent	7	7	100		1.48	0.233		0.11	0	1.48	0.233	0	0.11
Medium sand	percent	7	7	100	1.25	52	23.2	16.6	37.6	1.25	52	23.2	16.6	37.6
Sand	percent	4	4	100	30.62	59.65	46.7	47.72	48.68	30.62	59.65	46.7	47.72	48.68
Silt	percent	11	11	100	8.98	58.5	35	38.8	52.3	8.98	58.5	35	38.8	52.3
Very coarse sand	percent	7	7	100	0.06	2.48	0.52	0.14	0.37	0.06	2.48	0.52	0.14	0.37
Very fine sand	percent	7	7	100	1.25	10.4	5.02	4.32	7.93	1.25	10.4	5.02	4.32	7.93
Conventionals														
Acid Volatile Sulfides	mg/kg	13	11	84.6	0.6	42	15.6	11.9	42	0.6	42	13.3	2.9	42
Ammonia	mg/kg	7	7	100	134	633	288	250 J	377	134	633	288	250 J	377
Sulfide	mg/kg	7	7	100	3.4 J	51.4 J	15.8	7.8 J	25.6 J	3.4 J	51.4 J	15.8	7.8 J	25.6 J
Total organic carbon	percent	21	21	100	0.07	2.74	1.23	1.17	2.13	0.07	2.74	1.23	1.17	2.13
Total solids	percent	24	24	100	53.2	92.8	69.9	66.6	89.2	53.2	92.8	69.9	66.6	89.2
Total volatile solids	percent	11	11	100	2.66	8.99	5.55	5.69	7.41	2.66	8.99	5.55	5.69	7.41
Metals														
Aluminum	mg/kg	7	7	100	12900	30100	20800	20400	28000	12900	30100	20800	20400	28000
Antimony	mg/kg	8	8	100	0.04 J	0.16 J	0.0875	0.06 J	0.14	0.04 J	0.16 J	0.0875	0.06 J	0.14
Arsenic	mg/kg	21	12	57.1	0.5	19.7	4.07	3.04	3.94	0.5	19.7	2.44	0.7	3.74
Beryllium	mg/kg	1	1	100	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
Cadmium	mg/kg	21	21	100	0.04	2.12	0.282	0.209	0.31	0.04	2.12	0.282	0.209	0.31
Chromium	mg/kg	21	21	100	13.9	35.4	22.1	22.1	32.3	13.9	35.4	22.1	22.1	32.3
Copper	mg/kg	21	21	100	11	70.1	26.6	27.9 J	36.4	11	70.1	26.6	27.9 J	36.4
Lead	mg/kg	21	21	100	2.2	489	43	18.5	46.1	2.2	489	43	18.5	46.1
Mercury	mg/kg	21	21	100	0.01 E	0.87 E	0.113	0.06	0.178	0.01 E	0.87 E	0.113	0.06	0.178
Nickel	mg/kg	21	21	100	10.4	23.5	17.4	17.1	23	10.4	23.5	17.4	17.1	23
Selenium	mg/kg	8	5	62.5	0.02 J	0.1 J	0.058	0.07 J	0.07 J	0.02 UJ	2 U	0.164	0.03 J	0.1 J
Silver	mg/kg	21	21	100	0.03	0.483 J	0.201	0.153 J	0.41	0.03	0.483 J	0.201	0.153 J	0.41
Thallium	mg/kg	1	1	100	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Zinc	mg/kg	21	21	100	29.4	243 J	103	90.4 J	179	29.4	243 J	103	90.4 J	179
Butyltins														
Butyltin ion	ug/kg	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Dibutyltin ion	ug/kg	1	1	100	0.5 J	0.5 J	0.5	0.5 J	0.5 J	0.5 J	0.5 J	0.5	0.5 J	0.5 J
Tetrabutyltin	ug/kg	1	0	0						3 U	3 U	1.5	1.5 U	1.5 U
Tributyltin ion	ug/kg	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
PCB Aroclors														
Aroclor 1016	ug/kg	25	0	0						1.8 U	25 U	4.56	5 UG	7.5 U
Aroclor 1221	ug/kg	25	0	0						1.8 U	32 U	6.02	5 U	14.5 U
Aroclor 1232	ug/kg	25	0	0						1.8 U	25 U	4.56	5 UG	7.5 U
Aroclor 1242	ug/kg	25	0	0						1.8 U	16 U	4.26	5 U	7 U
Aroclor 1248	ug/kg	25	0	0						1.8 U	50 U	5.06	5 UG	7.5 U
Aroclor 1254	ug/kg	25	15	60	4	150	32.3	17	90	4	150	21.7	8 U	46
Aroclor 1260	ug/kg	25	15	60	6	156	33.6	16	110	6	156	22.5	8 U	42
Aroclor 1262	ug/kg	7	0	0						1.8 U	2.4 U	1.06	1.1 U	1.2 U
Aroclor 1268	ug/kg	7	0	0						1.8 U	2.4 U	1.06	1.1 U	1.2 U
Total PCB Aroclors	ug/kg	25	15	60	10 T	260 T	65.9	35 T	246 T	10 UT	260 T	43.5	16 UT	78 T

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Table C1-6. Summary Statistics for All Analytes, Subsurface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Pesticides														
2,4'-DDD	ug/kg	7	3	42.9	2	7.6 NJ	4.03	2.5	2.5	1 U	7.6 NJ	2.27	1.45 U	2.5
2,4'-DDE	ug/kg	7	0	0						0.31 U	0.78 U	0.244	0.21 U	0.34 U
2,4'-DDT	ug/kg	7	7	100	0.34 J	4.9	1.73	1 J	2.4	0.34 J	4.9	1.73	1 J	2.4
4,4'-DDD	ug/kg	24	16	66.7	0.3 *	19 *	2.33	0.82 NJ	4.2 J	0.3 *	19 *	1.96	1 U*	3 *
4,4'-DDE	ug/kg	24	18	75	0.5 *	5.4 *	2.47	2 J	5.4 *	0.5 *	5.4 *	2.1	1.2 J	5.3 *
4,4'-DDT	ug/kg	24	11	45.8	0.2 *	10 *	3.2	2 *	8 J	0.2 *	10 *	2.04	1 U*	3.4 *
Aldrin	ug/kg	24	1	4.17	1 J	1 J	1	1 J	1 J	0.13 U	2 U	0.692	1 J	1 U
alpha-Endosulfan	ug/kg	24	1	4.17	1 J	1 J	1	1 J	1 J	0.092 U	2 U	0.712	1 U	1 U
alpha-Hexachlorocyclohexane	ug/kg	24	0	0						0.2 U	2 U	0.698	1 U	1 U
beta-Endosulfan	ug/kg	24	1	4.17	2 J	2 J	2	2 J	2 J	0.16 U	3.2 U	0.889	1 UG	1.45 U
beta-Hexachlorocyclohexane	ug/kg	24	1	4.17	1 J	1 J	1	1 J	1 J	0.64 U	2 U	0.782	1 U	1 U
Chlordane (cis & trans)	ug/kg	24	1	4.17	47	47	47	47	47	8.1 U	47	7.47	5 U	8 U
cis-Chlordane	ug/kg	7	2	28.6	0.22 J	0.59 J	0.405	0.22 J	0.22 J	0.15 U	0.87 U	0.227	0.1 U	0.435 U
cis-Nonachlor	ug/kg	7	0	0						0.28 U	3.7 U	0.526	0.315 U	0.41 U
delta-Hexachlorocyclohexane	ug/kg	24	0	0						0.24 U	2 U	0.707	1 U	1 U
Dieldrin	ug/kg	24	4	16.7	2	13	5.55	3.4	3.8	0.068 U	13	1.62	1 U	3.4
Endosulfan sulfate	ug/kg	24	1	4.17	0.5 J	0.5 J	0.5	0.5 J	0.5 J	0.082 U	4 U	0.902	1 U	1.45 U
Endrin aldehyde	ug/kg	24	1	4.17	5.6	5.6	5.6	5.6	5.6	0.11 U	5.6	1.01	1 U	1.45 U
Endrin ketone	ug/kg	11	0	0						0.11 U	3.2 U	0.776	0.5 U	1.45 U
Endrin	ug/kg	24	3	12.5	0.5 J	3.9	1.73	0.8 J	0.8 J	0.076 U	3.9	0.888	1 U	1.45 U
gamma-Hexachlorocyclohexane	ug/kg	24	2	8.33	0.2 J	0.88 J	0.54	0.2 J	0.2 J	0.2 J	2 U	0.685	0.88 J	1 U
Heptachlor epoxide	ug/kg	24	3	12.5	0.68 J	3.1 J	1.57	0.94 NJ	0.94 NJ	0.5 U	3.1 J	0.931	1 U	1 U
Heptachlor	ug/kg	24	0	0						0.23 U	2 U	0.731	1 U	1 U
Methoxychlor	ug/kg	24	3	12.5	1 J	2.5	1.83	2	2	0.27 U	16 U	2.44	2 UG	7 U
Mirex	ug/kg	7	0	0						0.22 U	0.29 U	0.129	0.135 U	0.14 U
Oxychlordane	ug/kg	7	0	0						0.22 U	0.7 U	0.159	0.135 U	0.145 U
Total Chlordanes	ug/kg	7	5	71.4	0.24 JT	1.3 JT	0.766	0.6 JT	1.1 JT	0.24 JT	1.3 JT	0.668	0.59 JT	1.1 JT
Total Endosulfan	ug/kg	24	3	12.5	0.5 JT	2 JT	1.17	1 JT	1 JT	0.31 UT	4 UT	0.963	1 UT	1.6 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	7	7	100	1.6 JT	29.4 JT	9.45	7 JT	8.19 JT	1.6 JT	29.4 JT	9.45	7 JT	8.19 JT
Total of 2,4' and 4,4'-DDD	ug/kg	7	7	100	0.43 JT	11.8 JT	3.09	1.2 JT	3.6 T	0.43 JT	11.8 JT	3.09	1.2 JT	3.6 T
Total of 2,4' and 4,4'-DDE	ug/kg	7	7	100	0.83 JT	4.7 JT	2.06	1.7 JT	2.3 T	0.83 JT	4.7 JT	2.06	1.7 JT	2.3 T
Total of 2,4' and 4,4'-DDT	ug/kg	7	7	100	0.34 JT	12.9 JT	4.3	3 JT	5.2 JT	0.34 JT	12.9 JT	4.3	3 JT	5.2 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	24	21	87.5	0.3 T	23 T	5.56	3.1 T	15.4 T	0.3 T	23 T	4.99	2.9 T	15.4 T
Toxaphene	ug/kg	24	0	0						14 U	170 U	31.1	20 U	75 U
trans-Chlordane	ug/kg	7	4	57.1	0.24 J	1.3 NJ	0.755	0.6 J	0.88 NJ	0.089 U	1.5 U	0.594	0.6 J	0.88 NJ
trans-Nonachlor	ug/kg	7	0	0						0.22 U	0.52 U	0.146	0.135 U	0.145 U
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	25	24	96	0.6 G	25	8.92	5 G	22 G	0.6 G	25	8.67	5 G	22 G
Acenaphthene	ug/kg	25	20	80	0.87 J	93 G	16.3	10 G	59 G	0.87 J	93 G	13.6	6 G	23
Acenaphthylene	ug/kg	25	23	92	0.75 J	32 G	8.61	5.8	18	0.75 J	32 G	8.12	5.1	18
Anthracene	ug/kg	25	22	88	1.4 J	56 G	16.1	12 G	28	1.4 J	56 G	14.7	11	28
Benzo(a)anthracene	ug/kg	25	25	100	0.7 G	135 G	30.2	23 G	50 G	0.7 G	135 G	30.2	23 G	50 G
Benzo(a)pyrene	ug/kg	25	24	96	0.6 G	168 G	35.8	25	62 G	0.6 G	168 G	34.6	25	62 G
Benzo(b)fluoranthene	ug/kg	25	22	88	2 J	91 G	28.9	25	58	2 J	91 G	25.6	23	58
Benzo(b+k)fluoranthene	ug/kg	25	22	88	2 T	183 T	52.5	44 T	71 T	2 T	183 T	46.5	42 T	71 T
Benzo(g,h,i)perylene	ug/kg	25	23	92	0.7 G	121 G	27.9	21 G	56	0.7 G	121 G	26.3	21	56
Benzo(k)fluoranthene	ug/kg	25	21	84	9 G	92 G	24.8	18 G	33	2.2 U	92 G	21.4	16	33
Chrysene	ug/kg	25	25	100	0.7 G	149 G	36.5	29 G	62	0.7 G	149 G	36.5	29 G	62
Dibenzo(a,h)anthracene	ug/kg	25	18	72	1.9 J	15 G	4.99	4	13	1.9 J	30 U	4.57	3 G	13
Fluoranthene	ug/kg	25	25	100	2 G	310 G	82.2	56 J	172 G	2 G	310 G	82.2	56 J	172 G
Fluorene	ug/kg	25	23	92	0.78 J	50 G	10.8	6.5	26	0.78 J	50 G	10.1	6 G	26
High Molecular Weight PAH	ug/kg	25	25	100	5.7 T	1650 T	366	289 T	629 T	5.7 T	1650 T	366	289 T	629 T

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Table C1-6. Summary Statistics for All Analytes, Subsurface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Indeno(1,2,3-cd)pyrene	ug/kg	25	21	84	1 J	116 G	27.8	22 G	49 G	1 J	116 G	23.6	17 G	49 G
Low Molecular Weight PAH	ug/kg	25	25	100	1.4 T	671 T	135	103 T	302 T	1.4 T	671 T	135	103 T	302 T
Naphthalene	ug/kg	25	23	92	0.4 G	212 G	25.6	11 G	41	0.4 G	212 G	23.7	10	41
Phenanthrene	ug/kg	25	25	100	0.9 G	226 G	57.7	42 G	130	0.9 G	226 G	57.7	42 G	130
Pyrene	ug/kg	25	25	100	1 G	450 G	83.8	62 G	149 G	1 G	450 G	83.8	62 G	149 G
Total PAHs	ug/kg	25	25	100	7.7 T	2321 T	501	378 T	1048 T	7.7 T	2321 T	501	378 T	1048 T
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	12	6	50	20 J	210 B	112	73	200 B	20 J	210 B	74.4	60 U	200 B
Butylbenzyl phthalate	ug/kg	12	7	58.3	2 J	6.6 J	4.49	5 J	5.6 J	2 J	12 U	4.52	5 U	6 U
Dibutyl phthalate	ug/kg	12	4	33.3	5.9 J	13 B	9.43	6.8 J	12 B	4.5 U	30 U	6.47	5 U	13 B
Diethyl phthalate	ug/kg	12	1	8.33	6 J	6 J	6	6 J	6 J	4.7 U	12 U	3.91	3.05 U	6 J
Dimethyl phthalate	ug/kg	12	0	0						2.4 U	15 U	3.26	1.6 U	6 U
Di-n-octyl phthalate	ug/kg	12	0	0						1.6 U	300 U	14.9	1.05 U	6 U
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/kg	12	0	0						2 U	15 U	3.12	1.3 U	6 U
1,2-Dichlorobenzene	ug/kg	12	0	0						1.8 U	15 U	3.03	1.15 U	6 U
1,3-Dichlorobenzene	ug/kg	12	0	0						2.2 U	15 U	3.17	1.4 U	6 U
1,4-Dichlorobenzene	ug/kg	12	3	25	5.8 J	9	6.87	5.8 J	5.8 J	2.6 U	15 U	4.35	5 U	7.5 U
2,4-Dinitrotoluene	ug/kg	8	0	0						3.8 U	74 U	6.58	2.3 U	2.5 U
2,6-Dinitrotoluene	ug/kg	8	0	0						3.8 U	30 U	3.83	2.3 U	2.5 U
2-Chloronaphthalene	ug/kg	8	0	0						4.8 U	15 U	3.43	2.95 U	3.25 U
2-Nitroaniline	ug/kg	8	0	0						3.6 U	30 U	3.75	2.25 U	2.45 U
3,3'-Dichlorobenzidine	ug/kg	8	0	0						5 U	200 U	15.1	3.05 U	3.35 U
3-Nitroaniline	ug/kg	8	0	0						3.5 U	300 U	20.6	2.15 U	2.35 U
4-Bromophenyl phenyl ether	ug/kg	8	0	0						1.9 U	15 U	1.92	1.15 U	1.25 U
4-Chloroaniline	ug/kg	8	1	12.5	4 J	4 J	4	4 J	4 J	2.8 U	4 J	1.96	1.75 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg	8	0	0						2.7 U	15 U	2.33	1.65 U	1.8 U
4-Nitroaniline	ug/kg	8	0	0						4.6 U	150 U	11.7	2.8 U	3.05 U
Aniline	ug/kg	7	0	0						2 U	2.7 U	1.2	1.25 U	1.3 U
Azobenzene	ug/kg	7	0	0						3.2 U	4.3 U	1.91	2 U	2.1 U
Benzoic acid	ug/kg	12	3	25	11	210	91	52	52	10 U	660 U	109	80 U	295 U
Benzyl alcohol	ug/kg	12	0	0						5 U	74 U	6.59	3.25 U	6 U
Bis(2-chloroethoxy) methane	ug/kg	8	0	0						1.8 U	30 U	2.79	1.1 U	1.2 U
Bis(2-chloroethyl) ether	ug/kg	8	0	0						3.2 U	15 U	2.61	2 U	2.15 U
Bis(2-chloroisopropyl) ether	ug/kg	8	0	0						1.6 U	15 U	1.78	1 U	1.1 U
Carbazole	ug/kg	8	4	50	0.6 J	5.1 J	2.83	1.8 J	3.8 J	0.6 J	5.1 J	1.96	1.1 U	3.8 J
Dibenzofuran	ug/kg	25	18	72	0.38 J	16	5.31	3.6 J	13 G	0.38 J	16	4.91	3.6 J	13 G
Hexachlorobenzene	ug/kg	12	1	8.33	0.87 J	0.87 J	0.87	0.87 J	0.87 J	0.27 U	15 U	2.62	0.5 U	6 U
Hexachlorobutadiene	ug/kg	12	2	16.7	0.99 NJ	1.1 J	1.05	0.99 NJ	0.99 NJ	0.36 U	15 U	2.74	0.99 NJ	6 U
Hexachlorocyclopentadiene	ug/kg	8	0	0						20 U	300 U	29.3	12.5 U	13.5 U
Hexachloroethane	ug/kg	12	3	25	0.34 J	1.7 NJ	0.94	0.78 J	0.78 J	0.34 J	59 U	4.65	0.78 J	6 U
Isophorone	ug/kg	8	0	0						2.2 U	15 U	2.06	1.35 U	1.45 U
Nitrobenzene	ug/kg	8	0	0						2.7 U	15 U	2.33	1.65 U	1.8 U
N-Nitrosodimethylamine	ug/kg	7	0	0						8.2 U	11 U	4.89	5 U	5.5 U
N-Nitrosodiphenylamine	ug/kg	12	0	0						3 U	15 U	3.45	1.95 U	6 U
N-Nitrosodipropylamine	ug/kg	8	0	0						4.3 U	15 U	3.17	2.65 U	2.9 U
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	7	0	0						0.58 U	0.77 U	0.341	0.355 U	0.375 U
2,3,5,6-Tetrachlorophenol	ug/kg	7	0	0						0.56 U	0.75 U	0.331	0.345 U	0.365 U
2,4,5-Trichlorophenol	ug/kg	8	1	12.5	6.8	6.8	6.8	6.8	6.8	0.44 U	74 U	6.87	3.3 U	6.8
2,4,6-Trichlorophenol	ug/kg	8	0	0						0.34 U	74 U	4.8	0.205 U	0.225 U
2,4-Dichlorophenol	ug/kg	8	0	0						2.4 U	150 U	10.6	1.5 U	1.65 U
2,4-Dimethylphenol	ug/kg	12	0	0						7.4 U	300 U	16.8	4.8 U	6 U

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Table C1-6. Summary Statistics for All Analytes, Subsurface Sediment, Downtown Corridor (RM 11-15.5).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,4-Dinitrophenol	ug/kg	8	0	0						48 U	450 U	53	29.5 U	32.5 U
2-Chlorophenol	ug/kg	8	0	0						2.3 U	74 U	5.81	1.4 U	1.55 U
2-Methylphenol	ug/kg	12	0	0						4.6 U	300 U	15.9	2.95 U	6 U
2-Nitrophenol	ug/kg	8	0	0						3.5 U	74 U	6.43	2.15 U	2.35 U
3- and 4-Methylphenol Coelution	ug/kg	5	4	80	44	360	174	130	160	44	360	169	150 U	160
4,6-Dinitro-2-methylphenol	ug/kg	8	0	0						2.3 U	300 U	19.9	1.4 U	1.55 U
4-Chloro-3-methylphenol	ug/kg	8	0	0						2.8 U	74 U	6.09	1.75 U	1.9 U
4-Methylphenol	ug/kg	7	7	100	9.3 J	38	21.6	23	27	9.3 J	38	21.6	23	27
4-Nitrophenol	ug/kg	8	0	0						40 U	150 U	30.2	25 U	27 U
Pentachlorophenol	ug/kg	12	1	8.33	1.8 J	1.8 J	1.8	1.8 J	1.8 J	0.62 U	450 U	20.9	0.415 U	6 U
Phenol	ug/kg	12	8	66.7	7 J	50	23.4	21 J	26 J	7 J	50	18	15 J	26 J
Petroleum														
Diesel Range Hydrocarbons	mg/kg	8	8	100	40 J	220 J	89.9	75 J	120 J	40 J	220 J	89.9	75 J	120 J
Gasoline Range Hydrocarbons	mg/kg	8	0	0						1.4 U	72 U	5.37	0.85 U	2.1 U
Residual Range Hydrocarbons	mg/kg	8	8	100	100 J	650 J	321	280 J	460 J	100 J	650 J	321	280 J	460 J
Total Petroleum Hydrocarbons	mg/kg	8	8	100	140 JT	870 JT	411	325 JT	580 JT	140 JT	870 JT	411	325 JT	580 JT

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
< 0.075 mm	percent	2	2	100	52.1	73.8	63	52.1	52.1	52.1	73.8	63	52.1	52.1
> 0.075 mm	percent	2	2	100	26.2	47.9	37.1	26.2	26.2	26.2	47.9	37.1	26.2	26.2
>9 Phi clay	percent	18	18	100	0.57	13	2.97	1.23	11.5	0.57	13	2.97	1.23	11.5
8-9 Phi clay	percent	18	18	100	0.28	13.5	2.45	1.35	9.05	0.28	13.5	2.45	1.35	9.05
Clay	percent	8	8	100	1	8.82	4.36	3.06	7 T	1	8.82	4.36	3.06	7 T
Coarse sand	percent	29	29	100	0.15	6.56 T	1.89	1.08	5.86	0.15	6.56 T	1.89	1.08	5.86
Coarse silt	percent	18	18	100	0.803 T	33	9.53	6.17	29.4	0.803 T	33	9.53	6.17	29.4
Fine gravel	percent	21	21	100		2.03 T	0.24	0.06	0.32	0	2.03 T	0.24	0.06	0.32
Fine sand	percent	29	29	100	0.7	58.7	24.7	25.1	45.5	0.7	58.7	24.7	25.1	45.5
Fine silt	percent	18	18	100	0.19	21.4	4.44	2.29	21.2	0.19	21.4	4.44	2.29	21.2
Fines	percent	39	39	100	0.28	98.4 T	29.6	21	89.9	0.28	98.4 T	29.6	21	89.9
Gravel	percent	10	10	100	0.09	0.39	0.189	0.1	0.36	0.09	0.39	0.189	0.1	0.36
Medium gravel	percent	21	21	100		1.22 T	0.0995		0.13	0	1.22 T	0.0995	0	0.13
Medium sand	percent	29	29	100	0.37	56.1	23.4	19.6	53.6 T	0.37	56.1	23.4	19.6	53.6 T
Medium silt	percent	18	18	100	0.523 T	25.5	6.9	4.28	24.2	0.523 T	25.5	6.9	4.28	24.2
Sand	percent	10	10	100	58.5 T	99.36	87.1	93	99.15	58.5 T	99.36	87.1	93	99.15
Silt	percent	8	8	100	2	48.9	19.5	11.2	34.5 T	2	48.9	19.5	11.2	34.5 T
Very coarse sand	percent	29	29	100		1.28 T	0.31	0.27	0.72	0	1.28 T	0.31	0.27	0.72
Very fine sand	percent	29	29	100	1.16	35.8	13	10.1	27.6	1.16	35.8	13	10.1	27.6
Very fine silt	percent	18	18	100	0.48	21.9	3.75	1.93	16.4	0.48	21.9	3.75	1.93	16.4
Conventionals														
Ammonia	mg/kg	23	23	100	1.9	132	46.9	48.9 T	95.3	1.9	132	46.9	48.9 T	95.3
Moisture	percent	2	2	100	68	101	84.5	68	68	68	101	84.5	68	68
Sulfide	mg/kg	23	15	65.2	0.4 J	49.3	5.78	1.7	9.5	0.2 U	49.3	3.82	1.1	5.5
Total organic carbon	percent	36	36	100	0.16	2.57	1.19	1.18	2.37	0.16	2.57	1.19	1.18	2.37
Total solids	percent	43	43	100	32.6	77.9	57.8	57.6	70.7	32.6	77.9	57.8	57.6	70.7
Total volatile solids	percent	22	22	100	2.35	7.41	5.16	5	7.11	2.35	7.41	5.16	5	7.11
Metals														
Aluminum	mg/kg	21	21	100	10200	35000	20800	19300	30200	10200	35000	20800	19300	30200
Antimony	mg/kg	31	8	25.8	0.05 J	0.47 J	0.123	0.06 J	0.11 J	0.05 J	2.52 UJ	0.261	0.055 UJ	1.245 UJ
Arsenic	mg/kg	36	31	86.1	2.15 J	5.29	3.2	3.14	4.3	2.15 J	5.29	2.93	2.9 J	4.3
Cadmium	mg/kg	31	25	80.6	0.07	0.214 J	0.142	0.124	0.21	0.07	0.3 UJ	0.14	0.15 UJ	0.21
Chromium	mg/kg	24	24	100	16.8	40.5	25.8	25.6	36.2	16.8	40.5	25.8	25.6	36.2
Copper	mg/kg	31	30	96.8	13.8	50.9	25	21.7	44.4	13.8	50.9	24.4	21.7	44.4
Lead	mg/kg	31	31	100	4.56	14.3	8.29	8.48	13.7	4.56	14.3	8.29	8.48	13.7
Mercury	mg/kg	31	26	83.9	0.014 J	0.055	0.0304	0.026 T	0.05	0.014 J	0.19 U	0.0407	0.03	0.095 U
Nickel	mg/kg	31	31	100	14.3 J	35.7	22.1	21.6 J	27.2	14.3 J	35.7	22.1	21.6 J	27.2
Selenium	mg/kg	21	8	38.1	0.07 J	0.168	0.111	0.096 J	0.164	0.04 U	0.168	0.0649	0.0505 U	0.13
Silver	mg/kg	31	26	83.9	0.024	0.235	0.0924	0.09	0.218	0.024	0.235	0.0936	0.095	0.218
Zinc	mg/kg	31	31	100	49.7	165	73.2	67.4 J	105	49.7	165	73.2	67.4 J	105
Butyltins														
Butyltin ion	ug/kg	3	2	66.7	0.24 J	0.24 J	0.24	0.24 J	0.24 J	0.047 U	0.24 J	0.168	0.24 J	0.24 J
Dibutyltin ion	ug/kg	3	3	100	0.15 J	0.74 J	0.447	0.45 J	0.45 J	0.15 J	0.74 J	0.447	0.45 J	0.45 J
Tetrabutyltin	ug/kg	3	0	0						0.11 U	0.15 U	0.0633	0.06 U	0.06 U
Tributyltin ion	ug/kg	3	2	66.7	0.72 J	1.1 NJ	0.91	0.72 J	0.72 J	0.087 U	1.1 NJ	0.621	0.72 J	0.72 J
PCB Aroclors														
Aroclor 1016	ug/kg	40	0	0						1.29 U	21 U	3.76	1.4 U	10 U
Aroclor 1221	ug/kg	40	0	0						2.1 U	42 U	7.22	1.7 U	19.5 U
Aroclor 1232	ug/kg	40	0	0						2.1 U	21 U	4.01	1.7 U	10 U
Aroclor 1242	ug/kg	40	0	0						1.31 U	21 U	3.77	1.4 U	10 U
Aroclor 1248	ug/kg	40	1	2.5	4.82 J	4.82 J	4.82	4.82 J	4.82 J	1.68 U	21 U	3.95	1.7 U	10 U
Aroclor 1254	ug/kg	40	7	17.5	1.16 J	26	6.25	2.96 J	4.8 J	0.784 U	26	4.57	2.96 J	10 U
Aroclor 1260	ug/kg	40	7	17.5	1.47 J	11 J	3.91	3 J	4.46	1.01 U	21 U	4.23	3 J	10 U
Aroclor 1262	ug/kg	21	0	0						1.21 U	2.8 U	0.827	0.73 U	1.21 U
Aroclor 1268	ug/kg	21	0	0						1.03 U	2.8 U	0.733	0.625 U	1.05 U

BZTO104(e)028319

Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Total PCB Aroclors	ug/kg	40	10	25	1.47 JT	37 JT	7.6	3.81 JT	11.4 JT	1.47 JT	42 UT	8.71	4.7 J	20 UT
PCB Congeners														
PCB001	ug/kg	2	2	100	0.00191 J	0.00799	0.00495	0.00191 J	0.00191 J	0.00191 J	0.00799	0.00495	0.00191 J	0.00191 J
PCB002	ug/kg	2	2	100	0.00677	0.0119	0.00934	0.00677	0.00677	0.00677	0.0119	0.00934	0.00677	0.00677
PCB003	ug/kg	2	2	100	0.00255 J	0.0139	0.00823	0.00255 J	0.00255 J	0.00255 J	0.0139	0.00823	0.00255 J	0.00255 J
PCB004 & 010	ug/kg	2	2	100	0.00475	0.0146	0.00968	0.00475	0.00475	0.00475	0.0146	0.00968	0.00475	0.00475
PCB005 & 008	ug/kg	2	2	100	0.0148	0.0601	0.0375	0.0148	0.0148	0.0148	0.0601	0.0375	0.0148	0.0148
PCB006	ug/kg	2	2	100	0.00335	0.0157	0.00953	0.00335	0.00335	0.00335	0.0157	0.00953	0.00335	0.00335
PCB007 & 009	ug/kg	2	1	50	0.00792	0.00792	0.00792	0.00792	0.00792	0.00249 U	0.00792	0.00458	0.001245 U	0.001245 U
PCB011	ug/kg	2	2	100	0.0946	0.14	0.117	0.0946	0.0946	0.0946	0.14	0.117	0.0946	0.0946
PCB012 & 013	ug/kg	2	1	50	0.0153	0.0153	0.0153	0.0153	0.0153	0.00249 U	0.0153	0.00827	0.001245 U	0.001245 U
PCB014	ug/kg	2	0	0						0.00249 U	0.00502 U	0.00188	0.001245 U	0.001245 U
PCB015	ug/kg	2	2	100	0.0169	0.104	0.0605	0.0169	0.0169	0.0169	0.104	0.0605	0.0169	0.0169
PCB016 & 032	ug/kg	2	2	100	0.0147	0.091	0.0529	0.0147	0.0147	0.0147	0.091	0.0529	0.0147	0.0147
PCB017	ug/kg	2	2	100	0.00997	0.0624	0.0362	0.00997	0.00997	0.00997	0.0624	0.0362	0.00997	0.00997
PCB018	ug/kg	2	2	100	0.0237	0.151	0.0874	0.0237	0.0237	0.0237	0.151	0.0874	0.0237	0.0237
PCB019	ug/kg	2	2	100	0.0025	0.00957	0.00604	0.0025	0.0025	0.0025	0.00957	0.00604	0.0025	0.0025
PCB020 & 021 & 033	ug/kg	2	2	100	0.0218	0.125	0.0734	0.0218	0.0218	0.0218	0.125	0.0734	0.0218	0.0218
PCB022	ug/kg	2	2	100	0.0162	0.0885	0.0524	0.0162	0.0162	0.0162	0.0885	0.0524	0.0162	0.0162
PCB023	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB024 & 027	ug/kg	2	2	100	0.0022	0.0106	0.0064	0.0022	0.0022	0.0022	0.0106	0.0064	0.0022	0.0022
PCB025	ug/kg	2	2	100	0.00496	0.0676	0.0363	0.00496	0.00496	0.00496	0.0676	0.0363	0.00496	0.00496
PCB026	ug/kg	2	2	100	0.00798	0.106	0.057	0.00798	0.00798	0.00798	0.106	0.057	0.00798	0.00798
PCB028	ug/kg	2	2	100	0.0536	0.378	0.216	0.0536	0.0536	0.0536	0.378	0.216	0.0536	0.0536
PCB029	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB030	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB031	ug/kg	2	2	100	0.0425	0.253	0.148	0.0425	0.0425	0.0425	0.253	0.148	0.0425	0.0425
PCB034	ug/kg	2	1	50	0.00298	0.00298	0.00298	0.00298	0.00298	0.00124 U	0.00298	0.0018	0.00062 U	0.00062 U
PCB035	ug/kg	2	2	100	0.0022	0.0103	0.00625	0.0022	0.0022	0.0022	0.0103	0.00625	0.0022	0.0022
PCB036	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB037	ug/kg	2	2	100	0.0188	0.117	0.0679	0.0188	0.0188	0.0188	0.117	0.0679	0.0188	0.0188
PCB038	ug/kg	2	1	50	0.00392	0.00392	0.00392	0.00392	0.00392	0.00124 U	0.00392	0.00227	0.00062 U	0.00062 U
PCB039	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB040	ug/kg	2	2	100	0.00736	0.0831	0.0452	0.00736	0.00736	0.00736	0.0831	0.0452	0.00736	0.00736
PCB041 & 064 &071 &072	ug/kg	2	2	100	0.0529	0.637	0.345	0.0529	0.0529	0.0529	0.637	0.345	0.0529	0.0529
PCB042 & 059	ug/kg	2	2	100	0.0217	0.215	0.118	0.0217	0.0217	0.0217	0.215	0.118	0.0217	0.0217
PCB043 & 049	ug/kg	2	2	100	0.0662	0.695	0.381	0.0662	0.0662	0.0662	0.695	0.381	0.0662	0.0662
PCB044	ug/kg	2	2	100	0.076	0.725	0.401	0.076	0.076	0.076	0.725	0.401	0.076	0.076
PCB045	ug/kg	2	2	100	0.00794	0.0538	0.0309	0.00794	0.00794	0.00794	0.0538	0.0309	0.00794	0.00794
PCB046	ug/kg	2	2	100	0.00332	0.0233	0.0133	0.00332	0.00332	0.00332	0.0233	0.0133	0.00332	0.00332
PCB047	ug/kg	2	2	100	0.0271	0.235	0.131	0.0271	0.0271	0.0271	0.235	0.131	0.0271	0.0271
PCB048 & 075	ug/kg	2	2	100	0.0124	0.114	0.0632	0.0124	0.0124	0.0124	0.114	0.0632	0.0124	0.0124
PCB050	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB051	ug/kg	2	2	100	0.00263	0.0171	0.00987	0.00263	0.00263	0.00263	0.0171	0.00987	0.00263	0.00263
PCB052 & 069	ug/kg	2	2	100	0.102	1.04	0.571	0.102	0.102	0.102	1.04	0.571	0.102	0.102
PCB053	ug/kg	2	2	100	0.00881	0.0554	0.0321	0.00881	0.00881	0.00881	0.0554	0.0321	0.00881	0.00881
PCB054	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB055	ug/kg	2	1	50	0.01	0.01	0.01	0.01	0.01	0.00124 U	0.01	0.00531	0.00062 U	0.00062 U
PCB056 & 060	ug/kg	2	2	100	0.0409	0.277	0.159	0.0409	0.0409	0.0409	0.277	0.159	0.0409	0.0409
PCB057	ug/kg	2	1	50	0.00459	0.00459	0.00459	0.00459	0.00459	0.00124 U	0.00459	0.00261	0.00062 U	0.00062 U
PCB058	ug/kg	2	1	50	0.00418	0.00418	0.00418	0.00418	0.00418	0.00124 U	0.00418	0.0024	0.00062 U	0.00062 U
PCB061 & 070	ug/kg	2	2	100	0.0996	0.707	0.403	0.0996	0.0996	0.0996	0.707	0.403	0.0996	0.0996
PCB062	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB063	ug/kg	2	2	100	0.00292	0.022	0.0125	0.00292	0.00292	0.00292	0.022	0.0125	0.00292	0.00292
PCB065	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U

BZTO104(e)028320

Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB066 & 076	ug/kg	2	2	100	0.0769	0.544	0.31	0.0769	0.0769	0.0769	0.544	0.31	0.0769	0.0769
PCB067	ug/kg	2	2	100	0.00206	0.0398	0.0209	0.00206	0.00206	0.00206	0.0398	0.0209	0.00206	0.00206
PCB068	ug/kg	2	1	50	0.0146	0.0146	0.0146	0.0146	0.0146	0.00124 U	0.0146	0.00761	0.00062 U	0.00062 U
PCB073	ug/kg	2	1	50	0.0257	0.0257	0.0257	0.0257	0.0257	0.00124 U	0.0257	0.0132	0.00062 U	0.00062 U
PCB074	ug/kg	2	2	100	0.0356	0.218	0.127	0.0356	0.0356	0.0356	0.218	0.127	0.0356	0.0356
PCB077	ug/kg	2	2	100	0.00986	0.0568	0.0333	0.00986	0.00986	0.00986	0.0568	0.0333	0.00986	0.00986
PCB078	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB079	ug/kg	2	2	100	0.00199	0.014	0.008	0.00199	0.00199	0.00199	0.014	0.008	0.00199	0.00199
PCB080	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB081	ug/kg	2	2	100	0.000348 J	0.00128 J	0.000814	0.000348 J	0.000348 J	0.000348 J	0.00128 J	0.000814	0.000348 J	0.000348 J
PCB082	ug/kg	2	2	100	0.0177	0.137	0.0774	0.0177	0.0177	0.0177	0.137	0.0774	0.0177	0.0177
PCB083	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB084 & 092	ug/kg	2	2	100	0.0658	0.643	0.354	0.0658	0.0658	0.0658	0.643	0.354	0.0658	0.0658
PCB085 & 116	ug/kg	2	2	100	0.0314	0.243	0.137	0.0314	0.0314	0.0314	0.243	0.137	0.0314	0.0314
PCB086	ug/kg	2	1	50	0.00505	0.00505	0.00505	0.00505	0.00505	0.00124 U	0.00505	0.00284	0.00062 U	0.00062 U
PCB087 & 117 & 125	ug/kg	2	2	100	0.0611	0.554	0.308	0.0611	0.0611	0.0611	0.554	0.308	0.0611	0.0611
PCB088 & 091	ug/kg	2	2	100	0.0217	0.243	0.132	0.0217	0.0217	0.0217	0.243	0.132	0.0217	0.0217
PCB089	ug/kg	2	2	100	0.0016	0.0136	0.0076	0.0016	0.0016	0.0016	0.0136	0.0076	0.0016	0.0016
PCB090 & 101	ug/kg	2	2	100	0.166	1.68	0.923	0.166	0.166	0.166	1.68	0.923	0.166	0.166
PCB093	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB094	ug/kg	2	1	50	0.00623	0.00623	0.00623	0.00623	0.00623	0.00124 U	0.00623	0.00343	0.00062 U	0.00062 U
PCB095 & 098 & 102	ug/kg	2	2	100	0.109	1.31	0.71	0.109	0.109	0.109	1.31	0.71	0.109	0.109
PCB096	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB097	ug/kg	2	2	100	0.0467	0.442	0.244	0.0467	0.0467	0.0467	0.442	0.244	0.0467	0.0467
PCB099	ug/kg	2	2	100	0.088	0.68	0.384	0.088	0.088	0.088	0.68	0.384	0.088	0.088
PCB100	ug/kg	2	1	50	0.00674	0.00674	0.00674	0.00674	0.00674	0.00124 U	0.00674	0.00368	0.00062 U	0.00062 U
PCB103	ug/kg	2	1	50	0.0227	0.0227	0.0227	0.0227	0.0227	0.00124 U	0.0227	0.0117	0.00062 U	0.00062 U
PCB104	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB105	ug/kg	2	2	100	0.0602	0.389	0.225	0.0602	0.0602	0.0602	0.389	0.225	0.0602	0.0602
PCB106 & 118	ug/kg	2	2	100	0.153	1.2	0.677	0.153	0.153	0.153	1.2	0.677	0.153	0.153
PCB107 & 109	ug/kg	2	2	100	0.0145	0.101	0.0578	0.0145	0.0145	0.0145	0.101	0.0578	0.0145	0.0145
PCB108 & 112	ug/kg	2	2	100	0.00722	0.0738	0.0405	0.00722	0.00722	0.00722	0.0738	0.0405	0.00722	0.00722
PCB110	ug/kg	2	2	100	0.193	1.92	1.06	0.193	0.193	0.193	1.92	1.06	0.193	0.193
PCB111 & 115	ug/kg	2	2	100	0.00356	0.0243	0.0139	0.00356	0.00356	0.00356	0.0243	0.0139	0.00356	0.00356
PCB113	ug/kg	2	1	50	0.00981	0.00981	0.00981	0.00981	0.00981	0.00124 U	0.00981	0.00522	0.00062 U	0.00062 U
PCB114	ug/kg	2	2	100	0.00326	0.0228	0.013	0.00326	0.00326	0.00326	0.0228	0.013	0.00326	0.00326
PCB119	ug/kg	2	2	100	0.00562	0.0537	0.0297	0.00562	0.00562	0.00562	0.0537	0.0297	0.00562	0.00562
PCB120	ug/kg	2	1	50	0.00647	0.00647	0.00647	0.00647	0.00647	0.00124 U	0.00647	0.00355	0.00062 U	0.00062 U
PCB121	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB122	ug/kg	2	2	100	0.0023	0.0117	0.007	0.0023	0.0023	0.0023	0.0117	0.007	0.0023	0.0023
PCB123	ug/kg	2	2	100	0.00361	0.0172	0.0104	0.00361	0.00361	0.00361	0.0172	0.0104	0.00361	0.00361
PCB124	ug/kg	2	2	100	0.00648	0.0418	0.0241	0.00648	0.00648	0.00648	0.0418	0.0241	0.00648	0.00648
PCB126	ug/kg	2	2	100	0.00138	0.00661	0.004	0.00138	0.00138	0.00138	0.00661	0.004	0.00138	0.00138
PCB127	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB128 & 162	ug/kg	2	2	100	0.0352	0.228	0.132	0.0352	0.0352	0.0352	0.228	0.132	0.0352	0.0352
PCB129	ug/kg	2	2	100	0.00757	0.0635	0.0355	0.00757	0.00757	0.00757	0.0635	0.0355	0.00757	0.00757
PCB130	ug/kg	2	2	100	0.0121	0.126	0.0691	0.0121	0.0121	0.0121	0.126	0.0691	0.0121	0.0121
PCB131	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB132 & 161	ug/kg	2	2	100	0.0536	0.502	0.278	0.0536	0.0536	0.0536	0.502	0.278	0.0536	0.0536
PCB133 & 142	ug/kg	2	2	100	0.00861	0.0479	0.0283	0.00861	0.00861	0.00861	0.0479	0.0283	0.00861	0.00861
PCB134 & 143	ug/kg	2	2	100	0.00988	0.0932	0.0515	0.00988	0.00988	0.00988	0.0932	0.0515	0.00988	0.00988
PCB135	ug/kg	2	2	100	0.0296	0.331	0.18	0.0296	0.0296	0.0296	0.331	0.18	0.0296	0.0296
PCB136	ug/kg	2	2	100	0.0207	0.326	0.173	0.0207	0.0207	0.0207	0.326	0.173	0.0207	0.0207
PCB137	ug/kg	2	2	100	0.00955	0.066	0.0378	0.00955	0.00955	0.00955	0.066	0.0378	0.00955	0.00955
PCB138 & 163 & 164	ug/kg	2	2	100	0.237	1.7	0.969	0.237	0.237	0.237	1.7	0.969	0.237	0.237

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB139 & 149	ug/kg	2	2	100	0.156	2.19	1.17	0.156	0.156	0.156	2.19	1.17	0.156	0.156
PCB140	ug/kg	2	2	100	0.00266	0.0177	0.0102	0.00266	0.00266	0.00266	0.0177	0.0102	0.00266	0.00266
PCB141	ug/kg	2	2	100	0.0374	0.309	0.173	0.0374	0.0374	0.0374	0.309	0.173	0.0374	0.0374
PCB144	ug/kg	2	2	100	0.00804	0.103	0.0555	0.00804	0.00804	0.00804	0.103	0.0555	0.00804	0.00804
PCB145	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB146 & 165	ug/kg	2	2	100	0.051	0.269	0.16	0.051	0.051	0.051	0.269	0.16	0.051	0.051
PCB147	ug/kg	2	2	100	0.00408	0.0559	0.03	0.00408	0.00408	0.00408	0.0559	0.03	0.00408	0.00408
PCB148	ug/kg	2	2	100	0.00133	0.0052	0.00327	0.00133	0.00133	0.00133	0.0052	0.00327	0.00133	0.00133
PCB150	ug/kg	2	1	50	0.00495	0.00495	0.00495	0.00495	0.00495	0.00124 U	0.00495	0.00279	0.00062 U	0.00062 U
PCB151	ug/kg	2	2	100	0.0454	0.579	0.312	0.0454	0.0454	0.0454	0.579	0.312	0.0454	0.0454
PCB152	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB153	ug/kg	2	2	100	0.232	1.62	0.926	0.232	0.232	0.232	1.62	0.926	0.232	0.232
PCB154	ug/kg	2	2	100	0.00648	0.0401	0.0233	0.00648	0.00648	0.00648	0.0401	0.0233	0.00648	0.00648
PCB155	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB156	ug/kg	2	2	100	0.0197	0.132	0.0759	0.0197	0.0197	0.0197	0.132	0.0759	0.0197	0.0197
PCB157	ug/kg	2	2	100	0.00473	0.0267	0.0157	0.00473	0.00473	0.00473	0.0267	0.0157	0.00473	0.00473
PCB158 & 160	ug/kg	2	2	100	0.022	0.17	0.096	0.022	0.022	0.022	0.17	0.096	0.022	0.022
PCB159	ug/kg	2	2	100	0.00313	0.0162	0.00967	0.00313	0.00313	0.00313	0.0162	0.00967	0.00313	0.00313
PCB166	ug/kg	2	1	50	0.0052	0.0052	0.0052	0.0052	0.0052	0.00124 U	0.0052	0.00291	0.00062 U	0.00062 U
PCB167	ug/kg	2	2	100	0.00899	0.053	0.031	0.00899	0.00899	0.00899	0.053	0.031	0.00899	0.00899
PCB168	ug/kg	2	1	50	0.00333	0.00333	0.00333	0.00333	0.00333	0.00124 U	0.00333	0.00198	0.00062 U	0.00062 U
PCB169	ug/kg	2	0	0						0.000362 U	0.000509 U	0.000218	0.000181 U	0.000181 U
PCB170	ug/kg	2	2	100	0.056	0.341	0.199	0.056	0.056	0.056	0.341	0.199	0.056	0.056
PCB171	ug/kg	2	2	100	0.0158	0.0965	0.0562	0.0158	0.0158	0.0158	0.0965	0.0562	0.0158	0.0158
PCB172	ug/kg	2	2	100	0.0108	0.0584	0.0346	0.0108	0.0108	0.0108	0.0584	0.0346	0.0108	0.0108
PCB173	ug/kg	2	2	100	0.00148	0.00879	0.00514	0.00148	0.00148	0.00148	0.00879	0.00514	0.00148	0.00148
PCB174	ug/kg	2	2	100	0.0592	0.433	0.246	0.0592	0.0592	0.0592	0.433	0.246	0.0592	0.0592
PCB175	ug/kg	2	2	100	0.00255	0.0216	0.0121	0.00255	0.00255	0.00255	0.0216	0.0121	0.00255	0.00255
PCB176	ug/kg	2	2	100	0.00637	0.0674	0.0369	0.00637	0.00637	0.00637	0.0674	0.0369	0.00637	0.00637
PCB177	ug/kg	2	2	100	0.0431	0.239	0.141	0.0431	0.0431	0.0431	0.239	0.141	0.0431	0.0431
PCB178	ug/kg	2	2	100	0.0159	0.0979	0.0569	0.0159	0.0159	0.0159	0.0979	0.0569	0.0159	0.0159
PCB179	ug/kg	2	2	100	0.0293	0.237	0.133	0.0293	0.0293	0.0293	0.237	0.133	0.0293	0.0293
PCB180	ug/kg	2	2	100	0.139	0.83	0.485	0.139	0.139	0.139	0.83	0.485	0.139	0.139
PCB181	ug/kg	2	1	50	0.00361	0.00361	0.00361	0.00361	0.00361	0.00124 U	0.00361	0.00212	0.00062 U	0.00062 U
PCB182 & 187	ug/kg	2	2	100	0.0909	0.608	0.349	0.0909	0.0909	0.0909	0.608	0.349	0.0909	0.0909
PCB183	ug/kg	2	2	100	0.032	0.263	0.148	0.032	0.032	0.032	0.263	0.148	0.032	0.032
PCB184	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB185	ug/kg	2	2	100	0.00774	0.0438	0.0258	0.00774	0.00774	0.00774	0.0438	0.0258	0.00774	0.00774
PCB186	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB188	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB189	ug/kg	2	2	100	0.00204	0.0125	0.00727	0.00204	0.00204	0.00204	0.0125	0.00727	0.00204	0.00204
PCB190	ug/kg	2	2	100	0.0135	0.0682	0.0409	0.0135	0.0135	0.0135	0.0682	0.0409	0.0135	0.0135
PCB191	ug/kg	2	2	100	0.00196	0.0135	0.00773	0.00196	0.00196	0.00196	0.0135	0.00773	0.00196	0.00196
PCB192	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U
PCB193	ug/kg	2	2	100	0.0076	0.0408	0.0242	0.0076	0.0076	0.0076	0.0408	0.0242	0.0076	0.0076
PCB194	ug/kg	2	2	100	0.0304	0.155	0.0927	0.0304	0.0304	0.0304	0.155	0.0927	0.0304	0.0304
PCB195	ug/kg	2	2	100	0.0132	0.0613	0.0373	0.0132	0.0132	0.0132	0.0613	0.0373	0.0132	0.0132
PCB196 & 203	ug/kg	2	2	100	0.0338	0.221	0.127	0.0338	0.0338	0.0338	0.221	0.127	0.0338	0.0338
PCB197	ug/kg	2	1	50	0.00727	0.00727	0.00727	0.00727	0.00727	0.00124 U	0.00727	0.00395	0.00062 U	0.00062 U
PCB198	ug/kg	2	2	100	0.00172	0.0104	0.00606	0.00172	0.00172	0.00172	0.0104	0.00606	0.00172	0.00172
PCB199	ug/kg	2	2	100	0.0316	0.211	0.121	0.0316	0.0316	0.0316	0.211	0.121	0.0316	0.0316
PCB200	ug/kg	2	2	100	0.00393	0.0276	0.0158	0.00393	0.00393	0.00393	0.0276	0.0158	0.00393	0.00393
PCB201	ug/kg	2	2	100	0.0045	0.026	0.0153	0.0045	0.0045	0.0045	0.026	0.0153	0.0045	0.0045
PCB202	ug/kg	2	2	100	0.00956	0.0409	0.0252	0.00956	0.00956	0.00956	0.0409	0.0252	0.00956	0.00956
PCB204	ug/kg	2	0	0						0.00124 U	0.00251 U	0.000938	0.00062 U	0.00062 U

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB205	ug/kg	2	2	100	0.00139	0.00742	0.00441	0.00139	0.00139	0.00139	0.00742	0.00441	0.00139	0.00139
PCB206	ug/kg	2	2	100	0.0241	0.0727	0.0484	0.0241	0.0241	0.0241	0.0727	0.0484	0.0241	0.0241
PCB207	ug/kg	2	2	100	0.00291	0.00959	0.00625	0.00291	0.00291	0.00291	0.00959	0.00625	0.00291	0.00291
PCB208	ug/kg	2	2	100	0.00794	0.0192	0.0136	0.00794	0.00794	0.00794	0.0192	0.0136	0.00794	0.00794
PCB209	ug/kg	2	2	100	0.0347	0.0416	0.0382	0.0347	0.0347	0.0347	0.0416	0.0382	0.0347	0.0347
Total PCB Congeners	ug/kg	2	2	100	3.9	31	17.5	3.9	3.9	3.9	31	17.5	3.9	3.9
PCB Homologs														
Dichlorobiphenyl homologs	ug/kg	2	2	100	0.18	0.312	0.246	0.18	0.18	0.18	0.312	0.246	0.18	0.18
Heptachlorobiphenyl homologs	ug/kg	2	2	100	0.535	3.48	2.01	0.535	0.535	0.535	3.48	2.01	0.535	0.535
Hexachlorobiphenyl homologs	ug/kg	2	2	100	1.03	9.08	5.06	1.03	1.03	1.03	9.08	5.06	1.03	1.03
Monochlorobiphenyl homologs	ug/kg	2	2	100	0.0164	0.0287	0.0226	0.0164	0.0164	0.0164	0.0287	0.0226	0.0164	0.0164
Nonachlorobiphenyl homologs	ug/kg	2	2	100	0.035	0.101	0.068	0.035	0.035	0.035	0.101	0.068	0.035	0.035
Octachlorobiphenyl homologs	ug/kg	2	2	100	0.13	0.767	0.449	0.13	0.13	0.13	0.767	0.449	0.13	0.13
Pentachlorobiphenyl homologs	ug/kg	2	2	100	1.06	9.87	5.47	1.06	1.06	1.06	9.87	5.47	1.06	1.06
Tetrachlorobiphenyl homologs	ug/kg	2	2	100	0.659	5.83	3.24	0.659	0.659	0.659	5.83	3.24	0.659	0.659
Trichlorobiphenyl homologs	ug/kg	2	2	100	0.221	1.48	0.851	0.221	0.221	0.221	1.48	0.851	0.221	0.221
Dioxins/Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	21	15	71.4	0.154 J	10.447 T	1.25	0.355 J	1.68 J	0.154 J	10.447 T	0.969	0.335 J	1.377 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	21	8	38.1	1.565	33.846 T	10.4	5.36	15.872	0.815 U	33.846 T	4.6	1.454 U	12.355
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	21	12	57.1	0.016 J	0.328 JT	0.0795	0.05 J	0.135 J	0.009 U	0.328 JT	0.0508	0.0265 U	0.126 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	21	9	42.9	0.033 J	0.688 JT	0.149	0.071 J	0.181 J	0.026 U	0.688 JT	0.0791	0.0385 U	0.115 JT
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	21	12	57.1	0.011 J	0.065 J	0.0343	0.028 J	0.057 JT	0.011 J	0.078 U	0.0261	0.024 JT	0.048 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	21	12	57.1	0.015 J	0.289 JT	0.0565	0.038 J	0.051 J	0.005 U	0.289 JT	0.0367	0.024 J	0.049 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	21	20	95.2	0.053 J	1.22 JT	0.242	0.156 J	0.456 J	0.053 J	1.22 JT	0.232	0.156 J	0.44 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	21	0	0						0.003 U	0.052 U	0.00593	0.0035 U	0.0175 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	21	19	90.5	0.041 J	0.299 J	0.123	0.094 J	0.263 J	0.016 U	0.299 J	0.119	0.094 J	0.199 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	21	6	28.6	0.017 J	0.353 JT	0.09	0.022 J	0.102 JT	0.005 U	0.353 JT	0.0315	0.007 U	0.033 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	21	9	42.9	0.015 J	0.038 J	0.0284	0.03 J	0.035 J	0.006 U	0.082 U	0.0189	0.021 JT	0.035 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	21	9	42.9	0.014 J	0.726 JT	0.12	0.051 J	0.06 J	0.004 U	0.726 JT	0.0559	0.0155 U	0.058 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	21	8	38.1	0.011 J	0.186 JT	0.0451	0.026 J	0.033 J	0.005 U	0.186 JT	0.0238	0.012 U	0.033 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	21	3	14.3	0.046 J	0.094 JT	0.065	0.055 J	0.055 J	0.012 U	0.121 U	0.0371	0.038 U	0.0575 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	21	0	0						0.006 U	0.12 U	0.0115	0.007 U	0.0235 U
Total PCDD/F	pg/g	21	21	100	2.39 T	308 JT	44.9	10.7 T	129 T	2.39 T	308 JT	44.9	10.7 T	129 T
2,3,7,8-TCDD TEQ														
Dioxin/furan TCDD toxicity equivalent	pg/g	21	21	100	0.00684 JT	0.937 JT	0.128	0.0734 JT	0.24 J	0.00684 JT	0.937 JT	0.128	0.0734 JT	0.24 J
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	2	2	100	0.175 JT	0.92 JT	0.548	0.175 JT	0.175 JT	0.175 JT	0.92 JT	0.548	0.175 JT	0.175 JT
Total TCDD toxicity equivalent	pg/g	2	2	100	0.183 JT	1.02 JT	0.602	0.183 JT	0.183 JT	0.183 JT	1.02 JT	0.602	0.183 JT	0.183 JT
Dioxin/Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g	21	21	100	0.487	24.592 T	2.93	1.299	4.627	0.487	24.592 T	2.93	1.299	4.627
Heptachlorodibenzo-p-dioxin homologs	pg/g	21	21	100	1.58	40.814	9.29	5.051	25.04	1.58	40.814	9.29	5.051	25.04
Hexachlorodibenzofuran homologs	pg/g	21	21	100	0.201	18.148 T	1.61	0.752	1.425	0.201	18.148 T	1.61	0.752	1.425
Hexachlorodibenzo-p-dioxin homologs	pg/g	21	21	100	0.053	5.096	1.33	1.04	2.616	0.053	5.096	1.33	1.04	2.616
Octachlorodibenzofuran	pg/g	21	7	33.3	1.021 J	12.043 T	4.38	3.802	5.145	0.462 U	12.043 T	1.87	0.634 U	4.312 J
Octachlorodibenzo-p-dioxin	pg/g	21	8	38.1	11.67	211.997 JT	71.9	41.823	105.982	5.947 U	211.997 JT	32.4	11.67	87.909
Pentachlorodibenzofuran homologs	pg/g	21	21	100	0.069	3.372 T	0.5	0.327	0.705	0.069	3.372 T	0.5	0.327	0.705
Pentachlorodibenzo-p-dioxin homologs	pg/g	21	12	57.1	0.031	0.304	0.149	0.117	0.257	0.009 U	0.304	0.0911	0.041	0.246
Tetrachlorodibenzofuran homologs	pg/g	21	14	66.7	0.047	0.55 T	0.264	0.185	0.506	0.014 U	0.55 T	0.183	0.125	0.496
Tetrachlorodibenzo-p-dioxin homologs	pg/g	21	16	76.2	0.07	0.611	0.208	0.14	0.464	0.014 U	0.611	0.161	0.131	0.34
Pesticides														
2,4'-DDD	ug/kg	21	10	47.6	0.045 NJ	0.406 J	0.19	0.162 NJ	0.405 J	0.0338 U	0.406 J	0.118	0.079 J	0.223 NJ
2,4'-DDE	ug/kg	21	11	52.4	0.111 J	0.391	0.223	0.164 J	0.385 J	0.0359 U	0.49 U	0.153	0.154 NJ	0.383 NJ
2,4'-DDT	ug/kg	21	7	33.3	0.203	0.439 J	0.279	0.27 J	0.322 NJ	0.0475 U	0.439 J	0.112	0.0286 U	0.278 NJ
4,4'-DDD	ug/kg	40	18	45	0.12 J	1.15 NJ	0.55	0.581 J	0.99 JP*	0.0507 U	3.3 U*	0.679	0.65 U*	1.65 U*
4,4'-DDE	ug/kg	40	25	62.5	0.087 J	2.06	0.694	0.557 NJ	1.3 *	0.087 J	2.3 U*	0.786	0.8 U*	1.3 *
4,4'-DDT	ug/kg	35	10	28.6	0.163 NJ	13 *	1.87	0.57 J	1.4 JP*	0.0585 UJ	13 *	1.25	0.7 U*	3.35 U*

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Aldrin	ug/kg	35	1	2.86	0.349 NJ	0.349 NJ	0.349	0.349 NJ	0.349 NJ	0.0329 UJ	2.1 U	0.337	0.075 U	1 U
alpha-Endosulfan	ug/kg	33	0	0						0.0303 U	2.1 U	0.351	0.1065 U	1 U
alpha-Hexachlorocyclohexane	ug/kg	33	2	6.06	0.128 J	5.03 NJ	2.58	0.128 J	0.128 J	0.0351 U	5.03 NJ	0.493	0.12 U	1 U
beta-Endosulfan	ug/kg	33	1	3.03	0.261 J	0.261 J	0.261	0.261 J	0.261 J	0.0252 U	2.1 U	0.337	0.02715 U	1 U
beta-Hexachlorocyclohexane	ug/kg	33	14	42.4	0.195	2.01 J	0.943	0.934 NJ	1.87 J	0.0356 U	2.1 U	0.756	0.75 U	1.52 NJ
Chlordane (cis & trans)	ug/kg	17	1	5.88	0.35 JT	0.35 JT	0.35	0.35 JT	0.35 JT	0.13 UT	7.1 U	1.02	0.9 UT	2.1 U
cis-Chlordane	ug/kg	35	8	22.9	0.057 J	0.478 NJ	0.222	0.192 NJ	0.29 NJ	0.035 U	2.1 U	0.366	0.142	1 U
cis-Nonachlor	ug/kg	21	3	14.3	0.128 J	0.213 NJ	0.165	0.155	0.155	0.0438 U	0.34 U	0.0625	0.0264 U	0.155
delta-Hexachlorocyclohexane	ug/kg	33	4	12.1	0.217 J	0.287 J	0.252	0.252 J	0.253 J	0.0751 UJ	2.1 U	0.375	0.17 U	1 U
Dieldrin	ug/kg	35	1	2.86	0.124 J	0.124 J	0.124	0.124 J	0.124 J	0.0538 U	2.1 U	0.335	0.08 U	1 U
Endosulfan sulfate	ug/kg	33	0	0						0.0776 UJ	2.1 U	0.372	0.079 UJ	1 U
Endrin aldehyde	ug/kg	33	1	3.03	0.147 NJ	0.147 NJ	0.147	0.147 NJ	0.147 NJ	0.0459 U	2.1 U	0.34	0.0493 U	1 U
Endrin ketone	ug/kg	33	0	0						0.0309 U	2.1 U	0.329	0.03145 U	1 U
Endrin	ug/kg	15	0	0						0.088 U	2.1 U	0.7	0.8 U	1 U
gamma-Hexachlorocyclohexane	ug/kg	35	0	0						0.0802 U	2.1 U	0.344	0.086 U	1 U
Heptachlor epoxide	ug/kg	33	0	0						0.0417 U	2.1 U	0.354	0.0424 U	1 U
Heptachlor	ug/kg	35	0	0						0.0319 U	2.1 U	0.351	0.03435 U	1 U
Methoxychlor	ug/kg	33	0	0						0.0415 U	2.4 U	0.349	0.04225 U	1 U
Mirex	ug/kg	21	0	0						0.0377 U	0.34 U	0.0407	0.02275 U	0.125 U
Oxychlordane	ug/kg	21	0	0						0.0189 U	0.34 U	0.0305	0.0114 U	0.125 U
Total Chlordanes	ug/kg	21	12	57.1	0.057 JT	1.18 JT	0.363	0.19 JT	0.682 JT	0.0438 UT	1.18 JT	0.234	0.13 UT	0.593 JT
Total Endosulfan	ug/kg	33	1	3.03	0.261 JT	0.261 JT	0.261	0.261 JT	0.261 JT	0.0778 UJT	2.1 UT	0.391	0.1745 UT	1 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	21	21	100	0.087 JT	5 JT	1.44	1.05 JT	2.61 JT	0.087 JT	5 JT	1.44	1.05 JT	2.61 JT
Total of 2,4' and 4,4'-DDD	ug/kg	21	16	76.2	0.12 JT	1.56 JT	0.629	0.638 JT	1.15 JT	0.0507 UT	1.56 JT	0.5	0.441 JT	0.855 JT
Total of 2,4' and 4,4'-DDE	ug/kg	21	21	100	0.087 JT	2.45 T	0.744	0.534 T	1.48 JT	0.087 JT	2.45 T	0.744	0.534 T	1.48 JT
Total of 2,4' and 4,4'-DDT	ug/kg	21	8	38.1	0.21 JT	1.4 JT	0.568	0.41 JT	0.84 JT	0.0486 UJT	1.4 JT	0.235	0.0347 UJT	0.55 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	40	26	65	0.087 JT	14.57 T	1.79	0.986 JT	3.15 T	0.087 JT	14.57 T	1.77	0.986 JT	3.35 UT
Toxaphene	ug/kg	33	0	0						9.88 U	110 U	19.8	6.7 U	48 U
trans-Chlordane	ug/kg	35	9	25.7	0.061 NJ	0.35 JP	0.177	0.153 NJ	0.299 NJ	0.0221 U	2.1 U	0.364	0.153 NJ	1 U
trans-Nonachlor	ug/kg	21	6	28.6	0.057 J	0.376 NJ	0.14	0.102 J	0.131 J	0.0381 U	0.376 NJ	0.0733	0.0246 U	0.131 J
Herbicides														
2,4,5-T	ug/kg	3	0	0						3 U	4.1 U	1.68	1.5 U	1.5 U
2,4-D	ug/kg	3	0	0						3.6 U	4.9 U	2.03	1.85 U	1.85 U
2,4-DB	ug/kg	3	0	0						21 U	28 U	11.7	10.5 U	10.5 U
Dalapon	ug/kg	3	1	33.3	24 J	24 J	24	24 J	24 J	11 U	24 J	12.3	7.5 U	7.5 U
Dicamba	ug/kg	3	0	0						4.4 U	6 U	2.48	2.25 U	2.25 U
Dichloroprop	ug/kg	3	0	0						3.9 U	5.4 U	2.22	2 U	2 U
Dinoseb	ug/kg	3	0	0						3.9 U	5.4 U	2.22	2 U	2 U
MCPA	ug/kg	3	0	0						380 U	510 U	212	190 U	190 U
MCPP	ug/kg	3	0	0						590 U	2500 U	732	650 U	650 U
Silvex	ug/kg	3	0	0						2.8 U	3.9 U	1.6	1.45 U	1.45 U
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	31	0	0						0.53 U	50 U	5.42	0.7 U	25 U
Acenaphthene	ug/kg	37	2	5.41	0.57 J	0.72 J	0.645	0.57 J	0.57 J	0.24 U	50 U	5.19	0.57 J	25 U
Acenaphthylene	ug/kg	37	5	13.5	2.6 J	4.5 J	3.4	3.2 J	3.5 J	0.33 U	50 U	5.04	1.35 UJ	25 U
Anthracene	ug/kg	37	5	13.5	0.43 J	13	4.41	2.2 J	5 J	0.33 U	50 U	5.63	1.35 UJ	25 U
Benzo(a)anthracene	ug/kg	37	18	48.6	1.6 J	28	9.58	7.7	20	0.24 U	50 U	8.83	5 U	25 U
Benzo(a)pyrene	ug/kg	37	19	51.4	1.6 J	28	9.89	9.1	18	0.33 U	50 U	9.12	6.7 U	25 U
Benzo(b)fluoranthene	ug/kg	37	16	43.2	1.6 J	32	12.1	11 J	25	0.7 U	50 U	9.66	6.6 J	25 U
Benzo(b+k)fluoranthene	ug/kg	19	9	47.4	3.2 T	43 T	16.7	15.4 T	22.1 T	3.2 T	50 UT	15.6	15.4 T	25 UT
Benzo(g,h,i)perylene	ug/kg	37	16	43.2	1.3 J	45	9.98	6.5	18	0.45 U	50 U	8.7	5 U	25 U
Benzo(k)fluoranthene	ug/kg	37	12	32.4	1.6 J	15	5.73	4.4 J	11	0.48 U	50 U	6.29	3.9	25 U
Chrysene	ug/kg	37	17	45.9	2.1 J	65	14.2	11	32	0.6 U	65	10.8	6 J	25 U
Dibenzo(a,h)anthracene	ug/kg	37	12	32.4	0.49 J	2.2 J	1.18	1.1 J	2 J	0.38 U	50 U	5.54	1.7 J	25 U
Fluoranthene	ug/kg	37	21	56.8	2.7	75	16.5	9.4 J	27	0.77 U	75	13.5	8.6	27

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Fluorene	ug/kg	37	3	8.11	0.79 J	1.5 J	1.1	1 J	1 J	0.28 U	50 U	5.31	0.79 J	25 U
High Molecular Weight PAH	ug/kg	37	23	62.2	1.7 JT	305 T	80.9	55.5 JT	155 JT	1 UT	305 T	54.3	25 UT	155 JT
Indeno(1,2,3-cd)pyrene	ug/kg	37	17	45.9	1.3 J	14	6.52	6.2 J	12 J	0.36 U	50 U	7.26	5 U	25 U
Low Molecular Weight PAH	ug/kg	37	18	48.6	0.91 JT	71 JT	14.4	8.4 JT	28.6 JT	0.91 JT	71 JT	11.3	6.7 UT	25 UT
Naphthalene	ug/kg	37	5	13.5	3.2 J	7.8 J	4.9	4.1 J	6.1 J	0.55 U	50 U	6.03	3.2 J	25 U
Phenanthrene	ug/kg	37	18	48.6	0.91 J	71	10.6	6.6	19	0.59 U	71	9.34	5 U	25 U
Pyrene	ug/kg	37	22	59.5	2.7 J	75	16.5	9.8	29	0.77 U	75	13.9	9.3	29
Total PAHs	ug/kg	37	24	64.9	0.91 JT	376 JT	88.3	60.8 JT	176.9 JT	0.91 JT	376 JT	61.3	25 UT	176.9 JT
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	31	21	67.7	4.2 J	2100	130	23 J	110	3.2 UJ	2100	111	25	190 U
Butylbenzyl phthalate	ug/kg	31	5	16.1	2.7 J	3.8 J	3.04	2.9 J	3 J	2.2 U	100 U	10.3	1.6 U	50 U
Dibutyl phthalate	ug/kg	31	15	48.4	4.8 J	12 J	7.09	6.5 J	11 J	4.1 U	100 U	12.7	5.4 J	50 U
Diethyl phthalate	ug/kg	31	0	0						5.1 U	100 U	11.4	3.15 U	50 U
Dimethyl phthalate	ug/kg	31	0	0						2.7 U	100 U	10.2	1.65 U	50 U
Di-n-octyl phthalate	ug/kg	31	0	0						1.8 U	100 U	9.79	1.1 U	50 U
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/kg	31	0	0						2.2 U	21 U	3.54	1.35 U	10 U
1,2-Dichlorobenzene	ug/kg	31	0	0						1.9 U	21 U	2.6	1.2 U	8 U
1,3-Dichlorobenzene	ug/kg	31	0	0						2.4 U	21 U	2.8	1.45 U	8 U
1,4-Dichlorobenzene	ug/kg	31	2	6.45	0.23 J	0.29 J	0.26	0.23 J	0.23 J	0.19 U	21 U	2.86	1.7 U	8 U
2,4-Dinitrotoluene	ug/kg	21	0	0						4.1 U	8.4 U	2.55	2.35 U	3 U
2,6-Dinitrotoluene	ug/kg	21	0	0						4.1 U	8.4 U	2.55	2.35 U	3 U
2-Chloronaphthalene	ug/kg	21	0	0						5.3 U	11 U	3.28	3.05 U	3.85 U
2-Nitroaniline	ug/kg	21	0	0						4 U	8.1 U	2.46	2.3 U	2.9 U
3,3'-Dichlorobenzidine	ug/kg	21	0	0						5.4 U	12 U	3.39	3.1 U	3.95 U
3-Nitroaniline	ug/kg	21	0	0						3.8 U	7.8 U	2.37	2.2 U	2.8 U
4-Bromophenyl phenyl ether	ug/kg	21	0	0						2.1 U	4.2 U	1.29	1.2 U	1.5 U
4-Chloroaniline	ug/kg	21	0	0						3.1 U	6.3 U	1.92	1.8 U	2.25 U
4-Chlorophenyl phenyl ether	ug/kg	21	0	0						2.9 U	6 U	1.83	1.7 U	2.15 U
4-Nitroaniline	ug/kg	21	0	0						5 U	11 U	3.13	2.85 U	3.65 U
Aniline	ug/kg	21	7	33.3	5.6 J	230	45.9	17 J	31	2.2 U	230	16.2	1.35 U	20 J
Azobenzene	ug/kg	21	0	0						3.5 U	7.2 U	2.19	2.05 U	2.55 U
Benzoic acid	ug/kg	31	2	6.45	35 J	64 J	49.5	35 J	35 J	35 J	310 U	94.8	85 U	145 U
Benzyl alcohol	ug/kg	31	0	0						5.4 U	25 U	5.45	3.35 U	12.5 U
Bis(2-chloroethoxy) methane	ug/kg	21	0	0						1.9 U	3.9 U	1.2	1.1 U	1.4 U
Bis(2-chloroethyl) ether	ug/kg	21	0	0						3.5 U	7.2 U	2.19	2.05 U	2.55 U
Bis(2-chloroisopropyl) ether	ug/kg	21	0	0						1.8 U	3.6 U	1.1	1.05 U	1.3 U
Carbazole	ug/kg	21	1	4.76	3.3 J	3.3 J	3.3	3.3 J	3.3 J	1.9 U	3.9 U	1.3	1.15 U	1.95 U
Dibenzofuran	ug/kg	31	0	0						0.25 U	50 U	5.19	0.35 U	25 U
Hexachlorobenzene	ug/kg	31	8	25.8	0.318 J	1.04 J	0.71	0.698 J	1.01 J	0.31 U	21 U	3.49	1.85 U	10 U
Hexachlorobutadiene	ug/kg	31	0	0						0.0363 U	21 U	2.64	0.02475 U	10 U
Hexachlorocyclopentadiene	ug/kg	21	0	0						22 U	45 U	13.7	13 U	16 U
Hexachloroethane	ug/kg	31	3	9.68	0.56 J	1.3 NJ	0.827	0.62 J	0.62 J	0.0536 U	50 UJ	5.17	0.03655 U	25 U
Isophorone	ug/kg	21	0	0						2.4 U	4.8 U	1.47	1.35 U	1.7 U
Nitrobenzene	ug/kg	21	0	0						2.9 U	6 U	1.83	1.7 U	2.15 U
N-Nitrosodimethylamine	ug/kg	21	0	0						8.9 U	19 U	5.64	5.5 U	6.5 U
N-Nitrosodiphenylamine	ug/kg	31	0	0						3.2 U	21 U	4.02	2 U	10 U
N-Nitrosodipropylamine	ug/kg	21	0	0						4.7 U	9.6 U	2.91	2.7 U	3.4 U
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	21	0	0						0.67 U	8.7 U	1.69	2.15 U	3.1 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	18	0	0						0.53 U	5.4 U	1.18	1.35 U	2.7 U
2,3,5,6-Tetrachlorophenol	ug/kg	3	0	0						0.65 U	0.9 U	0.37	0.335 U	0.335 U
2,4,5-Trichlorophenol	ug/kg	21	0	0						0.43 U	7.9 U	1.21	1.15 U	2.2 U
2,4,6-Trichlorophenol	ug/kg	21	1	4.76	2.1 J	2.1 J	2.1	2.1 J	2.1 J	0.39 U	5.4 U	1.13	1.35 U	2.1 J
2,4-Dichlorophenol	ug/kg	21	0	0						2.7 U	5.4 U	1.65	1.55 U	1.95 U

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,4-Dimethylphenol	ug/kg	31	0	0						8 U	110 U	9.9	4.95 U	38 U
2,4-Dinitrophenol	ug/kg	21	0	0						53 U	110 U	32.8	30.5 U	38.5 U
2-Chlorophenol	ug/kg	21	0	0						2.5 U	5.1 U	1.55	1.45 U	1.85 U
2-Methylphenol	ug/kg	31	0	0						5 U	21 U	4.85	3.05 U	10 U
2-Nitrophenol	ug/kg	21	0	0						3.8 U	7.8 U	2.37	2.2 U	2.8 U
3- and 4-Methylphenol Coelution	ug/kg	8	2	25	7.3 J	11 J	9.15	7.3 J	7.3 J	7.3 J	100 U	34.5	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/kg	21	0	0						2.5 U	5.1 U	1.55	1.45 U	1.85 U
4-Chloro-3-methylphenol	ug/kg	21	0	0						3.1 U	6.3 U	1.92	1.8 U	2.25 U
4-Methylphenol	ug/kg	23	8	34.8	5.7 J	38	12.6	6.6 J	14 J	4.3 U	38	5.95	2.6 U	13
4-Nitrophenol	ug/kg	21	0	0						44 U	90 U	27.3	25.5 U	32 U
Pentachlorophenol	ug/kg	37	1	2.7	12	12	12	12	12	0.57 U	250 U	30.7	2.9 U	125 U
Phenol	ug/kg	31	1	3.23	11 J	11 J	11	11 J	11 J	2.8 U	100 U	14	6 U	50 U
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	3	0	0						0.048 U	0.066 U	0.0272	0.0245 U	0.0245 U
1,1,1-Trichloroethane	ug/kg	3	0	0						0.092 U	0.13 U	0.0527	0.047 U	0.047 U
1,1,2,2-Tetrachloroethane	ug/kg	3	0	0						0.15 U	0.21 U	0.0867	0.08 U	0.08 U
1,1,2-Trichloroethane	ug/kg	3	0	0						0.092 U	0.13 U	0.0527	0.047 U	0.047 U
1,1-Dichloroethane	ug/kg	3	0	0						0.088 U	0.13 U	0.0513	0.045 U	0.045 U
1,1-Dichloroethene	ug/kg	3	0	0						0.13 U	0.18 U	0.0733	0.065 U	0.065 U
1,2,3-Trichloropropane	ug/kg	3	0	0						0.17 U	0.24 U	0.0983	0.09 U	0.09 U
1,2-Dichloroethane	ug/kg	3	0	0						0.048 U	0.066 U	0.0272	0.0245 U	0.0245 U
1,2-Dichloropropane	ug/kg	3	0	0						0.055 U	0.075 U	0.031	0.028 U	0.028 U
1,4-Dichloro-trans-2-butene	ug/kg	3	0	0						0.79 U	1.1 U	0.45	0.405 U	0.405 U
2-Chloroethyl vinyl ether	ug/kg	3	0	0						0.24 UJ	0.32 UJ	0.133	0.12 UJ	0.12 UJ
Acetone	ug/kg	3	0	0						8.9 U	19 U	6.32	5 U	5 U
Acrylonitrile	ug/kg	3	0	0						0.36 U	0.49 U	0.203	0.185 U	0.185 U
Benzene	ug/kg	8	3	37.5	0.079 J	0.12 J	0.0927	0.079 J	0.079 J	0.079 J	5 U	1.6	2.5 U	2.5 U
Bromochloromethane	ug/kg	3	0	0						0.093 U	0.13 U	0.053	0.0475 U	0.0475 U
Bromodichloromethane	ug/kg	3	0	0						0.11 U	0.15 U	0.0617	0.055 U	0.055 U
Bromoform	ug/kg	3	0	0						0.071 U	0.098 U	0.0403	0.0365 U	0.0365 U
Bromomethane	ug/kg	3	0	0						0.58 UJ	0.79 UJ	0.327	0.295 UJ	0.295 UJ
BTEX	ug/kg	5	0	0						5 UT	5 UT	2.5	2.5 UT	2.5 UT
Carbon disulfide	ug/kg	3	0	0						0.21 U	0.34 U	0.128	0.11 U	0.11 U
Carbon tetrachloride	ug/kg	3	0	0						0.16 U	0.22 U	0.09	0.08 U	0.08 U
Chlorobenzene	ug/kg	3	0	0						0.11 U	0.15 U	0.0633	0.06 U	0.06 U
Chlorodibromomethane	ug/kg	3	0	0						0.11 U	0.15 U	0.0617	0.055 U	0.055 U
Chloroethane	ug/kg	3	0	0						0.44 U	0.6 U	0.248	0.225 U	0.225 U
Chloroform	ug/kg	3	0	0						0.087 U	0.12 U	0.0493	0.0445 U	0.0445 U
Chloromethane	ug/kg	3	0	0						0.3 U	0.41 U	0.168	0.15 U	0.15 U
cis-1,3-Dichloropropene	ug/kg	3	0	0						0.048 U	0.066 U	0.0272	0.0245 U	0.0245 U
Dichlorodifluoromethane	ug/kg	3	0	0						0.17 U	0.24 U	0.0983	0.09 U	0.09 U
Ethylbenzene	ug/kg	8	0	0						0.11 U	5 U	1.59	2.5 U	2.5 U
Ethylene dibromide	ug/kg	3	0	0						0.079 U	0.11 U	0.045	0.0405 U	0.0405 U
Isopropylbenzene	ug/kg	3	0	0						0.068 U	0.094 U	0.0387	0.035 U	0.035 U
m,p-Xylene	ug/kg	8	0	0						0.21 U	5 U	1.61	2.5 U	2.5 U
Methyl iodide	ug/kg	3	0	0						1.1 U	1.5 U	0.617	0.55 U	0.55 U
Methyl isobutyl ketone	ug/kg	3	0	0						0.38 U	0.51 U	0.212	0.19 U	0.19 U
Methyl n-butyl ketone	ug/kg	3	0	0						0.99 U	1.4 U	0.582	0.55 U	0.55 U
Methyl tert-butyl ether	ug/kg	3	0	0						0.061 U	0.083 U	0.0343	0.031 U	0.031 U
Methylene bromide	ug/kg	3	0	0						0.13 U	0.18 U	0.0733	0.065 U	0.065 U
Methylene chloride	ug/kg	3	0	0						2.6 U	3 U	1.43	1.5 U	1.5 U
o-Xylene	ug/kg	8	0	0						0.12 U	5 U	1.59	2.5 U	2.5 U
Styrene	ug/kg	3	0	0						0.12 U	0.16 U	0.0667	0.06 U	0.06 U
Tetrachloroethene	ug/kg	3	0	0						0.15 U	0.21 U	0.0867	0.08 U	0.08 U
Toluene	ug/kg	8	1	12.5	1.9	1.9	1.9	1.9	1.9	0.24 U	5 U	1.83	2.5 U	2.5 U

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Table C1-7. Summary Statistics for All Analytes, Surface Sediment, Upriver (RM 15.5-26).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
trans-1,2-Dichloroethene	ug/kg	3	0	0						0.3 U	0.41 U	0.168	0.15 U	0.15 U
trans-1,3-Dichloropropene	ug/kg	3	0	0						0.068 U	0.094 U	0.0387	0.035 U	0.035 U
Trichloroethene	ug/kg	8	0	0						0.096 U	5 U	1.58	2.5 U	2.5 U
Trichlorofluoromethane	ug/kg	3	0	0						0.13 U	0.18 U	0.0733	0.065 U	0.065 U
Vinyl chloride	ug/kg	3	0	0						0.14 U	0.19 U	0.0783	0.07 U	0.07 U
Xylene	ug/kg	8	0	0						0.21 UT	5 UT	1.61	2.5 UT	2.5 UT
Petroleum														
Diesel Range Hydrocarbons	mg/kg	17	7	41.2	8.9 J	56 Z	35	38 Z	53 J	8.9 J	56 Z	18.7	8.9 J	53 J
Gasoline Range Hydrocarbons	mg/kg	17	0	0						1.6 U	37 U	8.57	6.5 U	17.5 U
Heavy oil	mg/kg	5	0	0						25 U	25 U	12.5	12.5 U	12.5 U
Jet fuel A	mg/kg	5	0	0						10 U	10 U	5	5 U	5 U
JP-4 jet fuel	mg/kg	5	0	0						10 UJ	10 UJ	5	5 UJ	5 UJ
Kerosene	mg/kg	5	0	0						10 U	10 U	5	5 U	5 U
Lube Oil	mg/kg	5	0	0						25 U	25 U	12.5	12.5 U	12.5 U
Mineral spirits	mg/kg	5	0	0						10 U	10 U	5	5 U	5 U
Naphtha distillate	mg/kg	5	0	0						10 UJ	10 UJ	5	5 UJ	5 UJ
Non-petroleum hydrocarbons	mg/kg	5	0	0						50 U	50 U	25	25 U	25 U
Residual Range Hydrocarbons	mg/kg	12	9	75	64 J	380 J	187	190 Z	290 Z	32 U	380 J	145	100 J	290 Z
Total Petroleum Hydrocarbons	mg/kg	17	13	76.5	28	433 JT	191	224 T	346 T	25 U	433 JT	150	116 JT	346 T

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
>9 Phi clay	percent	5	5	100	3.76	7.15	5.55	5.48	6.75	3.76	7.15	5.554	5.48	6.75
8-9 Phi clay	percent	5	5	100	1.24	4.06	2.81	3.26	4.02	1.24	4.06	2.81	3.26	4.02
Coarse sand	percent	5	5	100	0.2	6.78	1.63	0.41	0.56	0.2	6.78	1.632	0.41	0.56
Coarse silt	percent	5	5	100	5.57	41.7	25.4	24.9	38.1	5.57	41.7	25.394	24.9	38.1
Fine gravel	percent	5	5	100	0.02	6.07	1.3	0.1	0.24	0.02	6.07	1.302	0.1	0.24
Fine sand	percent	5	5	100	0.69	34.5	8.89	2.82	5.2	0.69	34.5	8.888	2.82	5.2
Fine silt	percent	5	5	100	2.34	12.5	7.85	8.71	10.7	2.34	12.5	7.852	8.71	10.7
Fines	percent	5	5	100	19.4 T	91.7 T	60.1	64 T	86.3 T	19.4 T	91.7 T	60.08	64 T	86.3 T
Medium gravel	percent	5	5	100		30.3	6.09		0.13	0	30.3	6.086	0	0.13
Medium sand	percent	5	5	100	0.28	22.2	5.2	0.39	2.78	0.28	22.2	5.204	0.39	2.78
Medium silt	percent	5	5	100	4.26	22.8	14	16.6	18.2	4.26	22.8	14.002	16.6	18.2
Very coarse sand	percent	5	5	100	0.19	3.33	0.876	0.23	0.42	0.19	3.33	0.876	0.23	0.42
Very fine sand	percent	5	5	100	6.73	23.2	13.7	9.85	20.5	6.73	23.2	13.706	9.85	20.5
Very fine silt	percent	5	5	100	1.99	7.5	4.46	4.5	5.05	1.99	7.5	4.458	4.5	5.05
Conventionals														
Acid Volatile Sulfides	mg/kg	4	2	50	14.8	65	39.9	14.8	14.8	0.7 U	65	20.3	0.7 U	14.8
Ammonia	mg/kg	1	1	100	47 J	47 J	47	47 J	47 J	47 J	47 J	47	47 J	47 J
Specific Gravity	NA	3	3	100	1.31 T	1.43	1.37	1.37	1.37	1.31 T	1.43	1.37	1.37	1.37
Sulfide	mg/kg	1	1	100	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Total organic carbon	percent	9	9	100	0.13	2.64	1.14	1.2	1.96	0.13	2.64	1.143333333	1.2	1.96
Total solids	percent	9	9	100	38.8	83.6	58.4	54.2	75.1	38.8	83.6	58.35555556	54.2	75.1
Metals														
Aluminum	mg/kg	5	5	100	12800	32000	23800	25400	27300	12800	32000	23840	25400	27300
Antimony	mg/kg	5	4	80	0.11 J	0.14 J	0.123	0.12 J	0.12 J	0.11 J	0.14 J	0.122	0.12 J	0.12 J
Arsenic	mg/kg	9	9	100	0.6 E	3.72	2.4	2.5 E	3.58 J	0.6 E	3.72	2.403333333	2.5 E	3.58 J
Cadmium	mg/kg	9	9	100	0.19	0.93	0.398	0.329 J	0.65	0.19	0.93	0.398111111	0.329 J	0.65
Chromium hexavalent	mg/kg	1	0	0						0.2 UJ	0.2 UJ	0.2	0.2 UJ	0.2 UJ
Chromium	mg/kg	9	6	66.7	10.5	46.1	26.2	27.6	32.2	10.5	46.1	29.06666667	31.2 U	40.8 U
Copper	mg/kg	9	9	100	8	40.3 J	26.1	28.3	37.8 J	8	40.3 J	26.05555556	28.3	37.8 J
Lead	mg/kg	9	9	100	5	19.6	11.5	12.2 J	15.9	5	19.6	11.46444444	12.2 J	15.9
Mercury	mg/kg	9	9	100	0.02	0.111	0.062	0.066	0.086	0.02	0.111	0.062	0.066	0.086
Nickel	mg/kg	9	6	66.7	9	24.8 J	17.2	19.6	20.9	9	26.7 U	20.18888889	20.9	26.5 U
Selenium	mg/kg	5	3	60	0.2	0.26	0.233	0.24	0.24	0.05 U	0.26	0.176	0.2	0.24
Silver	mg/kg	9	9	100	0.04	0.21	0.126	0.159 J	0.2 J	0.04	0.21	0.126222222	0.159 J	0.2 J
Zinc	mg/kg	9	9	100	51	139	95.5	107	117	51	139	95.52222222	107	117
Butyltins														
Butyltin ion	ug/kg	1	1	100	0.14 J	0.14 J	0.14	0.14 J	0.14 J	0.14 J	0.14 J	0.14	0.14 J	0.14 J
Dibutyltin ion	ug/kg	1	1	100	1 J	1 J	1	1 J	1 J	1 J	1 J	1	1 J	1 J
Tetrabutyltin	ug/kg	1	0	0						0.13 U	0.13 U	0.13	0.13 U	0.13 U
Tributyltin ion	ug/kg	1	0	0						3.2 U	3.2 U	3.2	3.2 U	3.2 U
PCB Aroclors														
Aroclor 1016	ug/kg	9	0	0						2 U	12 U	7.19	10 UG	10 U
Aroclor 1221	ug/kg	9	0	0						2 U	23 U	8.97	10 UG	10 U
Aroclor 1232	ug/kg	9	0	0						2 U	21 U	8.62	10 UG	10 U
Aroclor 1242	ug/kg	9	0	0						2 U	13 U	7.31	10 U	10 U
Aroclor 1248	ug/kg	9	4	44.4	3 J	140	52	29 J	36	3 J	140	28.1	10 U	36
Aroclor 1254	ug/kg	9	1	11.1	31 J	31 J	31	31 J	31 J	1.3 U	31 J	11.6	10 U	25 UJ
Aroclor 1260	ug/kg	9	5	55.6	5	16	9.7	7	14	4.7 UJ	25 UJ	10.9	10 U	16
Aroclor 1262	ug/kg	5	0	0						1.9 U	25 UJ	7.44	3.6 U	4.7 UJ
Aroclor 1268	ug/kg	5	0	0						1.7 U	9.9 U	4.28	3.1 U	4.7 UJ
Total PCB Aroclors	ug/kg	9	6	66.7	5 T	140 T	47.9	9.5 JT	74 JT	4.7 UJT	140 T	34.7	10 UT	74 JT
PCB Congeners														
PCB001	ug/kg	2	2	100	0.0078	0.0102	0.009	0.0078	0.0078	0.0078	0.0102	0.009	0.0078	0.0078

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB002	ug/kg	2	2	100	0.00678	0.0156	0.0112	0.00678	0.00678	0.00678	0.0156	0.01119	0.00678	0.00678
PCB003	ug/kg	2	2	100	0.00702	0.0186	0.0128	0.00702	0.00702	0.00702	0.0186	0.01281	0.00702	0.00702
PCB004 & 010	ug/kg	2	2	100	0.0571	0.0622	0.0597	0.0571	0.0571	0.0571	0.0622	0.05965	0.0571	0.0571
PCB005 & 008	ug/kg	2	2	100	0.0912	0.128	0.11	0.0912	0.0912	0.0912	0.128	0.1096	0.0912	0.0912
PCB006	ug/kg	2	2	100	0.0242	0.0304	0.0273	0.0242	0.0242	0.0242	0.0304	0.0273	0.0242	0.0242
PCB007 & 009	ug/kg	2	1	50	0.00997	0.00997	0.00997	0.00997	0.00997	0.00992 U	0.00997	0.009945	0.00992 U	0.00992 U
PCB011	ug/kg	2	2	100	0.0581	0.106	0.0821	0.0581	0.0581	0.0581	0.106	0.08205	0.0581	0.0581
PCB012 & 013	ug/kg	2	1	50	0.0225	0.0225	0.0225	0.0225	0.0225	0.0163 U	0.0225	0.0194	0.0163 U	0.0163 U
PCB014	ug/kg	2	0	0						0.005 U	0.00978 U	0.00739	0.005 U	0.005 U
PCB015	ug/kg	2	2	100	0.188	0.279	0.234	0.188	0.188	0.188	0.279	0.2335	0.188	0.188
PCB016 & 032	ug/kg	2	2	100	0.269	0.302	0.286	0.269	0.269	0.269	0.302	0.2855	0.269	0.269
PCB017	ug/kg	2	2	100	0.107	0.139	0.123	0.107	0.107	0.107	0.139	0.123	0.107	0.107
PCB018	ug/kg	2	2	100	0.214	0.3	0.257	0.214	0.214	0.214	0.3	0.257	0.214	0.214
PCB019	ug/kg	2	2	100	0.0514	0.0559	0.0537	0.0514	0.0514	0.0514	0.0559	0.05365	0.0514	0.0514
PCB020 & 021 & 033	ug/kg	2	2	100	0.175	0.212	0.194	0.175	0.175	0.175	0.212	0.1935	0.175	0.175
PCB022	ug/kg	2	2	100	0.257	0.304	0.281	0.257	0.257	0.257	0.304	0.2805	0.257	0.257
PCB023	ug/kg	2	0	0						0.0025 U	0.00489 U	0.003695	0.0025 U	0.0025 U
PCB024 & 027	ug/kg	2	2	100	0.0359	0.0406	0.0383	0.0359	0.0359	0.0359	0.0406	0.03825	0.0359	0.0359
PCB025	ug/kg	2	2	100	0.0405	0.0618	0.0512	0.0405	0.0405	0.0405	0.0618	0.05115	0.0405	0.0405
PCB026	ug/kg	2	2	100	0.0861	0.123	0.105	0.0861	0.0861	0.0861	0.123	0.10455	0.0861	0.0861
PCB028	ug/kg	2	2	100	1.08	1.4	1.24	1.08	1.08	1.08	1.4	1.24	1.08	1.08
PCB029	ug/kg	2	0	0						0.0025 U	0.00489 U	0.003695	0.0025 U	0.0025 U
PCB030	ug/kg	2	0	0						0.0025 U	0.00489 U	0.003695	0.0025 U	0.0025 U
PCB031	ug/kg	2	2	100	0.591	0.72	0.656	0.591	0.591	0.591	0.72	0.6555	0.591	0.591
PCB034	ug/kg	2	2	100	0.0069	0.00751	0.00721	0.0069	0.0069	0.0069	0.00751	0.007205	0.0069	0.0069
PCB035	ug/kg	2	2	100	0.00951	0.0136	0.0116	0.00951	0.00951	0.00951	0.0136	0.011555	0.00951	0.00951
PCB036	ug/kg	2	0	0						0.0025 U	0.00489 U	0.003695	0.0025 U	0.0025 U
PCB037	ug/kg	2	2	100	0.406	0.497	0.452	0.406	0.406	0.406	0.497	0.4515	0.406	0.406
PCB038	ug/kg	2	2	100	0.0123	0.0137	0.013	0.0123	0.0123	0.0123	0.0137	0.013	0.0123	0.0123
PCB039	ug/kg	2	1	50	0.00282	0.00282	0.00282	0.00282	0.00282	0.00282	0.00489 U	0.003855	0.00282	0.00282
PCB040	ug/kg	2	2	100	0.387	0.396	0.392	0.387	0.387	0.387	0.396	0.3915	0.387	0.387
PCB041 & 064 &071 &072	ug/kg	2	2	100	2.39	2.42	2.41	2.39	2.39	2.39	2.42	2.405	2.39	2.39
PCB042 & 059	ug/kg	2	2	100	0.781	0.791	0.786	0.781	0.781	0.781	0.791	0.786	0.781	0.781
PCB043 & 049	ug/kg	2	2	100	1.88	1.94	1.91	1.88	1.88	1.88	1.94	1.91	1.88	1.88
PCB044	ug/kg	2	2	100	2.48	2.49	2.49	2.48	2.48	2.48	2.49	2.485	2.48	2.48
PCB045	ug/kg	2	2	100	0.308	0.327	0.318	0.308	0.308	0.308	0.327	0.3175	0.308	0.308
PCB046	ug/kg	2	2	100	0.123	0.136	0.13	0.123	0.123	0.123	0.136	0.1295	0.123	0.123
PCB047	ug/kg	2	2	100	0.721	0.807	0.764	0.721	0.721	0.721	0.807	0.764	0.721	0.721
PCB048 & 075	ug/kg	2	2	100	0.317	0.37	0.344	0.317	0.317	0.317	0.37	0.3435	0.317	0.317
PCB050	ug/kg	2	1	50	0.00651	0.00651	0.00651	0.00651	0.00651	0.005 U	0.00651	0.005755	0.005 U	0.005 U
PCB051	ug/kg	2	2	100	0.0997	0.103	0.101	0.0997	0.0997	0.0997	0.103	0.10135	0.0997	0.0997
PCB052 & 069	ug/kg	2	2	100	2.39	2.48	2.44	2.39	2.39	2.39	2.48	2.435	2.39	2.39
PCB053	ug/kg	2	2	100	0.312	0.329	0.321	0.312	0.312	0.312	0.329	0.3205	0.312	0.312
PCB054	ug/kg	2	2	100	0.00619	0.00682	0.00651	0.00619	0.00619	0.00619	0.00682	0.006505	0.00619	0.00619
PCB055	ug/kg	2	2	100	0.022	0.0304	0.0262	0.022	0.022	0.022	0.0304	0.0262	0.022	0.022
PCB056 & 060	ug/kg	2	2	100	1.47	1.85	1.66	1.47	1.47	1.47	1.85	1.66	1.47	1.47
PCB057	ug/kg	2	2	100	0.00777	0.009	0.00839	0.00777	0.00777	0.00777	0.009	0.008385	0.00777	0.00777
PCB058	ug/kg	2	2	100	0.00638	0.00638	0.00638	0.00638	0.00638	0.00638	0.00638	0.00638	0.00638	0.00638
PCB061 & 070	ug/kg	2	2	100	1.92	2.42	2.17	1.92	1.92	1.92	2.42	2.17	1.92	1.92
PCB062	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB063	ug/kg	2	2	100	0.0725	0.0873	0.0799	0.0725	0.0725	0.0725	0.0873	0.0799	0.0725	0.0725
PCB065	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB066 & 076	ug/kg	2	2	100	2.23	2.75	2.49	2.23	2.23	2.23	2.75	2.49	2.23	2.23
PCB067	ug/kg	2	2	100	0.0423	0.053	0.0477	0.0423	0.0423	0.0423	0.053	0.04765	0.0423	0.0423

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB068	ug/kg	2	2	100	0.0147	0.0165	0.0156	0.0147	0.0147	0.0147	0.0165	0.0156	0.0147	0.0147
PCB073	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB074	ug/kg	2	2	100	1.05	1.28	1.17	1.05	1.05	1.05	1.28	1.165	1.05	1.05
PCB077	ug/kg	3	3	100	0.255	0.866	0.478	0.314	0.314	0.255	0.866	0.478333333	0.314	0.314
PCB078	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB079	ug/kg	2	2	100	0.0197	0.0267	0.0232	0.0197	0.0197	0.0197	0.0267	0.0232	0.0197	0.0197
PCB080	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB081	ug/kg	3	3	100	0.00873	0.105	0.0416	0.011	0.011	0.00873	0.105	0.041576667	0.011	0.011
PCB082	ug/kg	2	2	100	0.384	0.432	0.408	0.384	0.384	0.384	0.432	0.408	0.384	0.384
PCB083	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB084 & 092	ug/kg	2	2	100	0.848	0.953	0.901	0.848	0.848	0.848	0.953	0.9005	0.848	0.848
PCB085 & 116	ug/kg	2	2	100	0.536	0.602	0.569	0.536	0.536	0.536	0.602	0.569	0.536	0.536
PCB086	ug/kg	2	2	100	0.0326	0.033	0.0328	0.0326	0.0326	0.0326	0.033	0.0328	0.0326	0.0326
PCB087 & 117 & 125	ug/kg	2	2	100	0.875	0.996	0.936	0.875	0.875	0.875	0.996	0.9355	0.875	0.875
PCB088 & 091	ug/kg	2	2	100	0.391	0.463	0.427	0.391	0.391	0.391	0.463	0.427	0.391	0.391
PCB089	ug/kg	2	2	100	0.0502	0.0577	0.054	0.0502	0.0502	0.0502	0.0577	0.05395	0.0502	0.0502
PCB090 & 101	ug/kg	2	2	100	1.83	2.02	1.93	1.83	1.83	1.83	2.02	1.925	1.83	1.83
PCB093	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB094	ug/kg	2	2	100	0.0191	0.0215	0.0203	0.0191	0.0191	0.0191	0.0215	0.0203	0.0191	0.0191
PCB095 & 098 & 102	ug/kg	2	2	100	1.44	1.72	1.58	1.44	1.44	1.44	1.72	1.58	1.44	1.44
PCB096	ug/kg	2	2	100	0.0304	0.0379	0.0342	0.0304	0.0304	0.0304	0.0379	0.03415	0.0304	0.0304
PCB097	ug/kg	2	2	100	0.757	0.815	0.786	0.757	0.757	0.757	0.815	0.786	0.757	0.757
PCB099	ug/kg	2	2	100	1.05	1.1	1.08	1.05	1.05	1.05	1.1	1.075	1.05	1.05
PCB100	ug/kg	2	2	100	0.0125	0.0146	0.0136	0.0125	0.0125	0.0125	0.0146	0.01355	0.0125	0.0125
PCB103	ug/kg	2	2	100	0.0185	0.0212	0.0199	0.0185	0.0185	0.0185	0.0212	0.01985	0.0185	0.0185
PCB104	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB105	ug/kg	3	3	100	0.907	2.73	1.52	0.929	0.929	0.907	2.73	1.522	0.929	0.929
PCB106 & 118	ug/kg	3	3	100	1.77	4.84	2.86	1.96	1.96	1.77	4.84	2.856666667	1.96	1.96
PCB107 & 109	ug/kg	2	2	100	0.141	0.154	0.148	0.141	0.141	0.141	0.154	0.1475	0.141	0.141
PCB108 & 112	ug/kg	2	2	100	0.121	0.132	0.127	0.121	0.121	0.121	0.132	0.1265	0.121	0.121
PCB110	ug/kg	2	2	100	2.33	2.48	2.41	2.33	2.33	2.33	2.48	2.405	2.33	2.33
PCB111 & 115	ug/kg	2	2	100	0.0594	0.0657	0.0626	0.0594	0.0594	0.0594	0.0657	0.06255	0.0594	0.0594
PCB113	ug/kg	2	1	50	0.00558	0.00558	0.00558	0.00558	0.00558	0.005 U	0.00558	0.00529	0.005 U	0.005 U
PCB114	ug/kg	3	3	100	0.0533	0.167	0.0919	0.0554	0.0554	0.0533	0.167	0.0919	0.0554	0.0554
PCB119	ug/kg	2	2	100	0.0481	0.0561	0.0521	0.0481	0.0481	0.0481	0.0561	0.0521	0.0481	0.0481
PCB120	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB121	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB122	ug/kg	2	2	100	0.0356	0.037	0.0363	0.0356	0.0356	0.0356	0.037	0.0363	0.0356	0.0356
PCB123	ug/kg	3	3	100	0.0484	0.15	0.0843	0.0546	0.0546	0.0484	0.15	0.084333333	0.0546	0.0546
PCB124	ug/kg	2	2	100	0.0747	0.0783	0.0765	0.0747	0.0747	0.0747	0.0783	0.0765	0.0747	0.0747
PCB126	ug/kg	3	3	100	0.012	0.0339	0.0194	0.0122	0.0122	0.012	0.0339	0.019366667	0.0122	0.0122
PCB127	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB128 & 162	ug/kg	2	2	100	0.211	0.263	0.237	0.211	0.211	0.211	0.263	0.237	0.211	0.211
PCB129	ug/kg	2	2	100	0.0683	0.0795	0.0739	0.0683	0.0683	0.0683	0.0795	0.0739	0.0683	0.0683
PCB130	ug/kg	2	2	100	0.0875	0.1	0.0938	0.0875	0.0875	0.0875	0.1	0.09375	0.0875	0.0875
PCB131	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB132 & 161	ug/kg	2	2	100	0.346	0.449	0.398	0.346	0.346	0.346	0.449	0.3975	0.346	0.346
PCB133 & 142	ug/kg	2	2	100	0.0351	0.0465	0.0408	0.0351	0.0351	0.0351	0.0465	0.0408	0.0351	0.0351
PCB134 & 143	ug/kg	2	2	100	0.0663	0.0847	0.0755	0.0663	0.0663	0.0663	0.0847	0.0755	0.0663	0.0663
PCB135	ug/kg	2	2	100	0.127	0.198	0.163	0.127	0.127	0.127	0.198	0.1625	0.127	0.127
PCB136	ug/kg	2	2	100	0.132	0.196	0.164	0.132	0.132	0.132	0.196	0.164	0.132	0.132
PCB137	ug/kg	2	2	100	0.0661	0.0864	0.0763	0.0661	0.0661	0.0661	0.0864	0.07625	0.0661	0.0661
PCB138 & 163 & 164	ug/kg	2	2	100	1.19	1.56	1.38	1.19	1.19	1.19	1.56	1.375	1.19	1.19
PCB139 & 149	ug/kg	2	2	100	0.773	1.24	1.01	0.773	0.773	0.773	1.24	1.0065	0.773	0.773

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB140	ug/kg	2	1	50	0.00995	0.00995	0.00995	0.00995	0.00995	0.00564 U	0.00995	0.007795	0.00564 U	0.00564 U
PCB141	ug/kg	2	2	100	0.216	0.309	0.263	0.216	0.216	0.216	0.309	0.2625	0.216	0.216
PCB144	ug/kg	2	2	100	0.0474	0.0742	0.0608	0.0474	0.0474	0.0474	0.0742	0.0608	0.0474	0.0474
PCB145	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB146 & 165	ug/kg	2	2	100	0.16	0.222	0.191	0.16	0.16	0.16	0.222	0.191	0.16	0.16
PCB147	ug/kg	2	2	100	0.03	0.0392	0.0346	0.03	0.03	0.03	0.0392	0.0346	0.03	0.03
PCB148	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB150	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB151	ug/kg	2	2	100	0.202	0.33	0.266	0.202	0.202	0.202	0.33	0.266	0.202	0.202
PCB152	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB153	ug/kg	2	2	100	0.952	1.35	1.15	0.952	0.952	0.952	1.35	1.151	0.952	0.952
PCB154	ug/kg	2	2	100	0.0127	0.0192	0.016	0.0127	0.0127	0.0127	0.0192	0.01595	0.0127	0.0127
PCB155	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB156	ug/kg	3	3	100	0.124	0.344	0.21	0.163	0.163	0.124	0.344	0.210333333	0.163	0.163
PCB157	ug/kg	3	3	100	0.0312	0.0823	0.0501	0.0369	0.0369	0.0312	0.0823	0.050133333	0.0369	0.0369
PCB158 & 160	ug/kg	2	2	100	0.138	0.173	0.156	0.138	0.138	0.138	0.173	0.1555	0.138	0.138
PCB159	ug/kg	2	2	100	0.00942	0.0191	0.0143	0.00942	0.00942	0.00942	0.0191	0.01426	0.00942	0.00942
PCB166	ug/kg	2	2	100	0.00687	0.00743	0.00715	0.00687	0.00687	0.00687	0.00743	0.00715	0.00687	0.00687
PCB167	ug/kg	3	3	100	0.0519	0.122	0.0793	0.0641	0.0641	0.0519	0.122	0.079333333	0.0641	0.0641
PCB168	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB169	ug/kg	3	1	33.3	0.000347	0.000347	0.000347	0.000347	0.000347	0.000347	0.00106 U	0.000723667	0.000764 U	0.000764 U
PCB170	ug/kg	2	2	100	0.281	0.355	0.318	0.281	0.281	0.281	0.355	0.318	0.281	0.281
PCB171	ug/kg	2	2	100	0.0753	0.0975	0.0864	0.0753	0.0753	0.0753	0.0975	0.0864	0.0753	0.0753
PCB172	ug/kg	2	2	100	0.0473	0.0613	0.0543	0.0473	0.0473	0.0473	0.0613	0.0543	0.0473	0.0473
PCB173	ug/kg	2	2	100	0.00749	0.00987	0.00868	0.00749	0.00749	0.00749	0.00987	0.00868	0.00749	0.00749
PCB174	ug/kg	2	2	100	0.305	0.4	0.353	0.305	0.305	0.305	0.4	0.3525	0.305	0.305
PCB175	ug/kg	2	2	100	0.0132	0.0164	0.0148	0.0132	0.0132	0.0132	0.0164	0.0148	0.0132	0.0132
PCB176	ug/kg	2	2	100	0.0387	0.0457	0.0422	0.0387	0.0387	0.0387	0.0457	0.0422	0.0387	0.0387
PCB177	ug/kg	2	2	100	0.174	0.237	0.206	0.174	0.174	0.174	0.237	0.2055	0.174	0.174
PCB178	ug/kg	2	2	100	0.0611	0.075	0.0681	0.0611	0.0611	0.0611	0.075	0.06805	0.0611	0.0611
PCB179	ug/kg	2	2	100	0.129	0.174	0.152	0.129	0.129	0.129	0.174	0.1515	0.129	0.129
PCB180	ug/kg	2	2	100	0.674	0.877	0.776	0.674	0.674	0.674	0.877	0.7755	0.674	0.674
PCB181	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB182 & 187	ug/kg	2	2	100	0.362	0.489	0.426	0.362	0.362	0.362	0.489	0.4255	0.362	0.362
PCB183	ug/kg	2	2	100	0.166	0.212	0.189	0.166	0.166	0.166	0.212	0.189	0.166	0.166
PCB184	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB185	ug/kg	2	2	100	0.0324	0.0448	0.0386	0.0324	0.0324	0.0324	0.0448	0.0386	0.0324	0.0324
PCB186	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB188	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB189	ug/kg	3	3	100	0.0111	0.0179	0.0143	0.0138	0.0138	0.0111	0.0179	0.014266667	0.0138	0.0138
PCB190	ug/kg	2	2	100	0.0595	0.0756	0.0676	0.0595	0.0595	0.0595	0.0756	0.06755	0.0595	0.0595
PCB191	ug/kg	2	1	50	0.0117	0.0117	0.0117	0.0117	0.0117	0.0101 U	0.0117	0.0109	0.0101 U	0.0101 U
PCB192	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U
PCB193	ug/kg	2	2	100	0.0301	0.0412	0.0357	0.0301	0.0301	0.0301	0.0412	0.03565	0.0301	0.0301
PCB194	ug/kg	2	2	100	0.151	0.182	0.167	0.151	0.151	0.151	0.182	0.1665	0.151	0.151
PCB195	ug/kg	2	2	100	0.0637	0.0781	0.0709	0.0637	0.0637	0.0637	0.0781	0.0709	0.0637	0.0637
PCB196 & 203	ug/kg	2	2	100	0.18	0.227	0.204	0.18	0.18	0.18	0.227	0.2035	0.18	0.18
PCB197	ug/kg	2	2	100	0.00635	0.00718	0.00677	0.00635	0.00635	0.00635	0.00718	0.006765	0.00635	0.00635
PCB198	ug/kg	2	2	100	0.0103	0.0107	0.0105	0.0103	0.0103	0.0103	0.0107	0.0105	0.0103	0.0103
PCB199	ug/kg	2	2	100	0.171	0.21	0.191	0.171	0.171	0.171	0.21	0.1905	0.171	0.171
PCB200	ug/kg	2	2	100	0.0216	0.0256	0.0236	0.0216	0.0216	0.0216	0.0256	0.0236	0.0216	0.0216
PCB201	ug/kg	2	2	100	0.021	0.0269	0.024	0.021	0.021	0.021	0.0269	0.02395	0.021	0.021
PCB202	ug/kg	2	2	100	0.0313	0.0438	0.0376	0.0313	0.0313	0.0313	0.0438	0.03755	0.0313	0.0313
PCB204	ug/kg	2	0	0						0.00489 U	0.005 U	0.004945	0.00489 U	0.00489 U

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB205	ug/kg	2	2	100	0.0079	0.00855	0.00823	0.0079	0.0079	0.0079	0.00855	0.008225	0.0079	0.0079
PCB206	ug/kg	2	2	100	0.0591	0.0985	0.0788	0.0591	0.0591	0.0591	0.0985	0.0788	0.0591	0.0591
PCB207	ug/kg	2	2	100	0.00779	0.00965	0.00872	0.00779	0.00779	0.00779	0.00965	0.00872	0.00779	0.00779
PCB208	ug/kg	2	2	100	0.0159	0.0269	0.0214	0.0159	0.0159	0.0159	0.0269	0.0214	0.0159	0.0159
PCB209	ug/kg	2	2	100	0.0323	0.0819	0.0571	0.0323	0.0323	0.0323	0.0819	0.0571	0.0323	0.0323
Total PCB Congeners	ug/kg	3	3	100	9.46 T	51.3	35.9	47	47	9.46 T	51.3	35.92	47	47
PCB Homologs														
Dichlorobiphenyl homologs	ug/kg	2	2	100	0.419	0.639	0.529	0.419	0.419	0.419	0.639	0.529	0.419	0.419
Heptachlorobiphenyl homologs	ug/kg	2	2	100	2.47	3.24	2.86	2.47	2.47	2.47	3.24	2.855	2.47	2.47
Hexachlorobiphenyl homologs	ug/kg	2	2	100	5.08	7.13	6.11	5.08	5.08	5.08	7.13	6.105	5.08	5.08
Monochlorobiphenyl homologs	ug/kg	2	2	100	0.0216	0.0444	0.033	0.0216	0.0216	0.0216	0.0444	0.033	0.0216	0.0216
Nonachlorobiphenyl homologs	ug/kg	2	2	100	0.0828	0.135	0.109	0.0828	0.0828	0.0828	0.135	0.1089	0.0828	0.0828
Octachlorobiphenyl homologs	ug/kg	2	2	100	0.664	0.82	0.742	0.664	0.664	0.664	0.82	0.742	0.664	0.664
Pentachlorobiphenyl homologs	ug/kg	2	2	100	13.9	15.3	14.6	13.9	13.9	13.9	15.3	14.6	13.9	13.9
Tetrachlorobiphenyl homologs	ug/kg	2	2	100	19.6	21.2	20.4	19.6	19.6	19.6	21.2	20.4	19.6	19.6
Trichlorobiphenyl homologs	ug/kg	2	2	100	3.34	4.19	3.77	3.34	3.34	3.34	4.19	3.765	3.34	3.34
Dioxins/Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	2	1	50	1.97	1.97	1.97	1.97	1.97	0.481 U	1.97	1.2255	0.481 U	0.481 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2	2	100	2.173	3.827	3	2.173	2.173	2.173	3.827	3	2.173	2.173
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	2	1	50	0.659 J	0.659 J	0.659	0.659 J	0.659 J	0.054 U	0.659 J	0.3565	0.054 U	0.054 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	2	2	100	0.136 J	5.97	3.05	0.136 J	0.136 J	0.136 J	5.97	3.053	0.136 J	0.136 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	0	0						0.029 U	0.034 U	0.0315	0.029 U	0.029 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	2	2	100	0.053 J	1.508 J	0.781	0.053 J	0.053 J	0.053 J	1.508 J	0.7805	0.053 J	0.053 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	1	50	0.138 J	0.138 J	0.138	0.138 J	0.138 J	0.087 U	0.138 J	0.1125	0.087 U	0.087 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	2	1	50	0.113 J	0.113 J	0.113	0.113 J	0.113 J	0.02 U	0.113 J	0.0665	0.02 U	0.02 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	2	0	0						0.049 U	0.097 U	0.073	0.049 U	0.049 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	2	1	50	2.457	2.457	2.46	2.457	2.457	0.051 U	2.457	1.254	0.051 U	0.051 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	2	0	0						0.015 U	0.018 U	0.0165	0.015 U	0.015 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	2	2	100	0.055 J	0.208 J	0.132	0.055 J	0.055 J	0.055 J	0.208 J	0.1315	0.055 J	0.055 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	2	2	100	0.14 J	0.858 J	0.499	0.14 J	0.14 J	0.14 J	0.858 J	0.499	0.14 J	0.14 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	2	1	50	0.232	0.232	0.232	0.232	0.232	0.232	0.242 U	0.237	0.232	0.232
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	2	0	0						0.011 U	0.017 U	0.014	0.011 U	0.011 U
Total PCDD/F	pg/g	2	2	100	46.6 JT	49.3 T	48	46.6 JT	46.6 JT	46.6 JT	49.3 T	47.95	46.6 JT	46.6 JT
2,3,7,8-TCDD TEQ														
Dioxin/furan TCDD toxicity equivalent	pg/g	2	2	100	0.173 JT	1.38 JT	0.777	0.173 JT	0.173 JT	0.173 JT	1.38 JT	0.7765	0.173 JT	0.173 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	3	3	100	1.62 T	4.56 T	2.61	1.66 T	1.66 T	1.62 T	4.56 T	2.613333333	1.66 T	1.66 T
Total TCDD toxicity equivalent	pg/g	2	2	100	3.01 JT	4.74 JT	3.88	3.01 JT	3.01 JT	3.01 JT	4.74 JT	3.875	3.01 JT	3.01 JT
Dioxin/Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g	2	2	100	1.372	4.103	2.74	1.372	1.372	1.372	4.103	2.7375	1.372	1.372
Heptachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	4.903	9.559	7.23	4.903	4.903	4.903	9.559	7.231	4.903	4.903
Hexachlorodibenzofuran homologs	pg/g	2	2	100	0.991	9.385	5.19	0.991	0.991	0.991	9.385	5.188	0.991	0.991
Hexachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	0.391	1.124	0.758	0.391	0.391	0.391	1.124	0.7575	0.391	0.391
Octachlorodibenzofuran	pg/g	2	2	100	1.664	3.02 J	2.34	1.664	1.664	1.664	3.02 J	2.342	1.664	1.664
Octachlorodibenzo-p-dioxin	pg/g	2	2	100	18.149	32.152	25.2	18.149	18.149	18.149	32.152	25.1505	18.149	18.149
Pentachlorodibenzofuran homologs	pg/g	2	2	100	0.946	5.264	3.11	0.946	0.946	0.946	5.264	3.105	0.946	0.946
Pentachlorodibenzo-p-dioxin homologs	pg/g	2	0	0						0.015 U	0.018 U	0.0165	0.015 U	0.015 U
Tetrachlorodibenzofuran homologs	pg/g	2	2	100	1.355	1.491	1.42	1.355	1.355	1.355	1.491	1.423	1.355	1.355
Tetrachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	0.026	0.044	0.035	0.026	0.026	0.026	0.044	0.035	0.026	0.026
Pesticides														
2,4'-DDD	ug/kg	5	3	60	0.174 NJ	1.68	0.69	0.216	0.216	0.0312 U	1.68	0.43214	0.174 NJ	0.216
2,4'-DDE	ug/kg	5	1	20	0.0371 J	0.0371 J	0.0371	0.0371 J	0.0371 J	0.0332 U	0.0632 U	0.0487	0.0531 U	0.0569 U
2,4'-DDT	ug/kg	5	3	60	0.0726 J	0.288 J	0.169	0.147 J	0.147 J	0.0438 U	0.288 J	0.12534	0.0753 U	0.147 J
4,4'-DDD	ug/kg	9	7	77.8	0.2 *	1.45	0.898	1 *	1.15	0.0468 U	2 U*	0.925977778	1 *	1.45
4,4'-DDE	ug/kg	9	6	66.7	1.08	2.21	1.89	2 *	2.17 J	0.0438 U	2.21	1.7082	2 U*	2.17 J

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
4,4'-DDT	ug/kg	9	4	44.4	0.363	0.682 NJ	0.521	0.452	0.587 J	0.0865 UJ	2 U*	1.130055556	0.682 NJ	2 U*
Aldrin	ug/kg	6	3	50	0.0206 J	0.4 J	0.274	0.4 J	0.4 J	0.0206 J	2 U	0.8085	0.4 J	2 UG
alpha-Endosulfan	ug/kg	9	0	0						0.0143 U	2 U	0.9098	0.0533 U	2 U
alpha-Hexachlorocyclohexane	ug/kg	9	4	44.4	0.00238 J	0.661 NJ	0.379	0.292	0.561 NJ	0.00238 J	2 U	1.060975556	0.661 NJ	2 U
beta-Endosulfan	ug/kg	9	2	22.2	0.554 NJ	0.62 J	0.587	0.554 NJ	0.554 NJ	0.0233 U	2 U	1.031022222	0.62 J	2 U
beta-Hexachlorocyclohexane	ug/kg	9	4	44.4	0.4 J	5.38 NJ	3.72	3.84 NJ	5.24 NJ	0.0328 U	5.38 NJ	2.326666667	2 U	5.24 NJ
Chlordane (cis & trans)	ug/kg	5	1	20	0.156 JT	0.156 JT	0.156	0.156 JT	0.156 JT	0.156 JT	10 U	8.0312	10 U	10 U
cis-Chlordane	ug/kg	5	3	60	0.0755 J	0.373 NJ	0.219	0.207 NJ	0.207 NJ	0.0323 U	0.373 NJ	0.1479	0.0755 J	0.207 NJ
cis-Nonachlor	ug/kg	5	2	40	0.0304 J	0.196 NJ	0.113	0.0304 J	0.0304 J	0.0304 J	0.196 NJ	0.08172	0.0647 U	0.0771 U
delta-Hexachlorocyclohexane	ug/kg	9	3	33.3	0.476 NJ	0.69 NJ	0.591	0.607 NJ	0.607 NJ	0.0169 U	2 U	1.095477778	0.69 NJ	2 U
Dieldrin	ug/kg	9	3	33.3	0.0348 J	0.272	0.154	0.154 J	0.154 J	0.0348 J	2 U	0.954444444	0.272	2 U
Endosulfan sulfate	ug/kg	9	0	0						0.0435 U	2 U	0.943355556	0.137 UJ	2 U
Endrin aldehyde	ug/kg	9	0	0						0.0424 U	2 U	0.938311111	0.181 U	2 U
Endrin ketone	ug/kg	5	0	0						0.0285 U	0.111 U	0.05772	0.049 U	0.0544 U
Endrin	ug/kg	9	0	0						0.0177 U	2 U	0.917477778	0.0734 U	2 U
gamma-Hexachlorocyclohexane	ug/kg	9	1	11.1	6.18 NJ	6.18 NJ	6.18	6.18 NJ	6.18 NJ	0.0161 U	6.18 NJ	1.612911111	2 UG	2 U
Heptachlor epoxide	ug/kg	9	1	11.1	0.00324 J	0.00324 J	0.00324	0.00324 J	0.00324 J	0.00324 J	2 U	0.915871111	0.0734 U	2 U
Heptachlor	ug/kg	9	0	0						0.0208 U	2 U	0.911611111	0.0563 U	2 U
Methoxychlor	ug/kg	9	1	11.1	0.452	0.452	0.452	0.452	0.452	0.0257 U	4 U	1.849266667	0.452	4 U
Mirex	ug/kg	5	0	0						0.0349 U	0.2 U	0.0834	0.0598 U	0.0665 U
Oxychlordane	ug/kg	5	0	0						0.0175 U	0.0635 U	0.03446	0.03 U	0.0333 U
Total Chlordanes	ug/kg	5	4	80	0.249 JT	0.766 JT	0.444	0.302 JT	0.46 JT	0.0404 UT	0.766 JT	0.36348	0.302 JT	0.46 JT
Total Endosulfan	ug/kg	9	2	22.2	0.554 JT	0.62 JT	0.587	0.554 JT	0.554 JT	0.0446 UT	2 UT	1.045033333	0.62 JT	2 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	5	5	100	0.452 T	4.46 JT	3.22	4.18 JT	4.24 JT	0.452 T	4.46 JT	3.2244	4.18 JT	4.24 JT
Total of 2,4' and 4,4'-DDD	ug/kg	5	4	80	1.15 T	2.15 JT	1.54	1.24 T	1.62 JT	0.0468 UT	2.15 JT	1.24136	1.24 T	1.62 JT
Total of 2,4' and 4,4'-DDE	ug/kg	5	4	80	1.12 JT	2.21 T	1.84	1.87 T	2.17 JT	0.0438 UT	2.21 T	1.48276	1.87 T	2.17 JT
Total of 2,4' and 4,4'-DDT	ug/kg	5	5	100	0.147 JT	0.875 JT	0.518	0.452 T	0.682 JT	0.147 JT	0.875 JT	0.5184	0.452 T	0.682 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	9	8	88.9	0.2 T	4 JT	2.46	2.64 JT	3.95 JT	0.2 T	4 JT	2.411333333	2.64 JT	3.95 JT
Toxaphene	ug/kg	9	0	0						9.13 U	30 U	22.75888889	28 U	30 U
trans-Chlordane	ug/kg	5	4	80	0.057 NJ	0.244 J	0.117	0.0801 J	0.087 NJ	0.0204 U	0.244 J	0.0977	0.0801 J	0.087 NJ
trans-Nonachlor	ug/kg	5	3	60	0.0633 J	0.215 J	0.142	0.149 J	0.149 J	0.0352 U	0.215 J	0.1046	0.0633 J	0.149 J
Herbicides														
2,4,5-T	ug/kg	1	0	0						0.47 UJ	0.47 UJ	0.47	0.47 UJ	0.47 UJ
2,4-D	ug/kg	1	0	0						0.32 UJ	0.32 UJ	0.32	0.32 UJ	0.32 UJ
2,4-DB	ug/kg	1	0	0						0.47 UJ	0.47 UJ	0.47	0.47 UJ	0.47 UJ
Dalapon	ug/kg	1	0	0						0.28 UJ	0.28 UJ	0.28	0.28 UJ	0.28 UJ
Dicamba	ug/kg	1	0	0						1 UJ	1 UJ	1	1 UJ	1 UJ
Dichloroprop	ug/kg	1	0	0						0.51 UJ	0.51 UJ	0.51	0.51 UJ	0.51 UJ
Dinoseb	ug/kg	1	0	0						0.64 UJ	0.64 UJ	0.64	0.64 UJ	0.64 UJ
MCPA	ug/kg	1	0	0						0.68 UJ	0.68 UJ	0.68	0.68 UJ	0.68 UJ
MCPP	ug/kg	1	0	0						0.62 UJ	0.62 UJ	0.62	0.62 UJ	0.62 UJ
Silvex	ug/kg	1	0	0						0.47 UJ	0.47 UJ	0.47	0.47 UJ	0.47 UJ
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	9	9	100	0.7 J	6 GB	2.48	2 GB	4.5	0.7 J	6 GB	2.477777778	2 GB	4.5
Acenaphthene	ug/kg	9	8	88.9	0.9 G	13	3.78	2 G	6 G	0.2 U	13	3.377777778	2 G	6 G
Acenaphthylene	ug/kg	9	9	100	1 G	5.3	3.14	3.4	5 G	1 G	5.3	3.144444444	3.4	5 G
Anthracene	ug/kg	9	9	100	0.63 J	11 G	4.97	5	9.5	0.63 J	11 G	4.97	5	9.5
Benzo(a)anthracene	ug/kg	9	9	100	3 G	42 G	18.5	21	30	3 G	42 G	18.53333333	21	30
Benzo(a)pyrene	ug/kg	9	9	100	6.6	109 G	36	36 G	43	6.6	109 G	35.95555556	36 G	43
Benzo(b)fluoranthene	ug/kg	9	9	100	7 G	84 G	32.6	30	53	7 G	84 G	32.6	30	53
Benzo(b+k)fluoranthene	ug/kg	4	4	100	13 T	163 T	60	14 T	50 T	13 T	163 T	60	14 T	50 T
Benzo(g,h,i)perylene	ug/kg	9	9	100	7.5	91 G	32.9	33 G	39	7.5	91 G	32.94444444	33 G	39
Benzo(k)fluoranthene	ug/kg	9	9	100	2.2 J	79 G	20.2	13	25 G	2.2 J	79 G	20.24444444	13	25 G
Chrysene	ug/kg	9	9	100	3 G	55	25.8	32	49 G	3 G	55	25.84444444	32	49 G

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Dibenzo(a,h)anthracene	ug/kg	9	9	100	1.5 J	22 G	6.26	4.7	8 GB	1.5 J	22 G	6.255555556	4.7	8 GB
Fluoranthene	ug/kg	9	9	100	3.6	140	41.1	32	73 G	3.6	140	41.06666667	32	73 G
Fluorene	ug/kg	9	8	88.9	0.7 G	11	3.41	2 J	6 G	0.24 U	11	3.06	2 J	6 G
High Molecular Weight PAH	ug/kg	9	9	100	47.6 JT	713 T	288	281 T	545 T	47.6 JT	713 T	288.2888889	281 T	545 T
Indeno(1,2,3-cd)pyrene	ug/kg	9	9	100	6.4	97 G	31.7	33	35	6.4	97 G	31.71111111	33	35
Low Molecular Weight PAH	ug/kg	9	9	100	4.63 JT	193 T	48.1	32.2 JT	80 T	4.63 JT	193 T	48.14777778	32.2 JT	80 T
Naphthalene	ug/kg	9	6	66.7	1 GB	10	5.02	2 GB	8.1	0.62 U	10	4.202222222	2 GB	8.1
Phenanthrene	ug/kg	9	9	100	1.7 J	140	27.9	14 G	38 G	1.7 J	140	27.85555556	14 G	38 G
Pyrene	ug/kg	9	9	100	5	130	43.1	45	67 G	5	130	43.11111111	45	67 G
Total PAHs	ug/kg	9	9	100	52.2 JT	793 T	337	308 JT	738 T	52.2 JT	793 T	336.5333333	308 JT	738 T
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	5	1	20	100	100	100	100	100	5.6 U	100	44.72	48 U	62 U
Butylbenzyl phthalate	ug/kg	5	1	20	4.7 J	4.7 J	4.7	4.7 J	4.7 J	1.9 U	4.7 J	3.32	3.4 U	3.9 U
Dibutyl phthalate	ug/kg	5	1	20	3.5 J	3.5 J	3.5	3.5 J	3.5 J	3.5 J	6.8 U	5.2	5.3 U	5.8 U
Diethyl phthalate	ug/kg	5	0	0						4.3 U	9.1 U	6.92	7.2 U	7.8 U
Dimethyl phthalate	ug/kg	5	0	0						2.3 U	4.7 U	3.58	3.7 U	4 U
Di-n-octyl phthalate	ug/kg	5	0	0						1.5 U	3.2 U	2.42	2.5 U	2.7 U
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/kg	5	0	0						0.64 U	3.9 U	2.588	3.1 U	3.4 U
1,2-Dichlorobenzene	ug/kg	5	0	0						0.14 U	3.4 U	2.148	2.7 U	2.9 U
1,3-Dichlorobenzene	ug/kg	5	0	0						0.2 U	4.2 U	2.66	3.3 U	3.6 U
1,4-Dichlorobenzene	ug/kg	5	0	0						0.22 U	5 U	3.164	3.9 U	4.3 U
2,4-Dinitrotoluene	ug/kg	5	0	0						3.5 U	7.3 U	5.56	5.7 U	6.3 U
2,6-Dinitrotoluene	ug/kg	5	0	0						3.5 U	7.3 U	5.56	5.7 U	6.3 U
2-Chloronaphthalene	ug/kg	5	0	0						4.5 U	9.4 U	7.14	7.4 U	8 U
2-Nitroaniline	ug/kg	5	0	0						3.4 U	7 U	5.34	5.5 U	6 U
3,3'-Dichlorobenzidine	ug/kg	5	0	0						4.6 U	9.6 U	7.34	7.6 U	8.3 U
3-Nitroaniline	ug/kg	5	0	0						3.2 U	6.8 U	5.14	5.3 U	5.8 U
4-Bromophenyl phenyl ether	ug/kg	5	0	0						1.8 U	3.7 U	2.82	2.9 U	3.2 U
4-Chloroaniline	ug/kg	5	0	0						2.6 U	5.5 U	4.16	4.3 U	4.7 U
4-Chlorophenyl phenyl ether	ug/kg	5	0	0						2.5 U	5.2 U	3.98	4.1 U	4.5 U
4-Nitroaniline	ug/kg	5	0	0						4.2 U	8.8 U	6.72	7 U	7.6 U
Aniline	ug/kg	5	0	0						1.9 U	3.9 U	3	3.1 U	3.4 U
Azobenzene	ug/kg	5	0	0						3 U	6.3 U	4.78	4.9 U	5.4 U
Benzoic acid	ug/kg	5	0	0						120 U	250 U	192	200 U	220 U
Benzyl alcohol	ug/kg	5	0	0						4.6 U	9.6 U	7.34	7.6 U	8.3 U
Bis(2-chloroethoxy) methane	ug/kg	5	0	0						1.6 U	3.4 U	2.58	2.7 U	2.9 U
Bis(2-chloroethyl) ether	ug/kg	5	0	0						3 U	6.3 U	4.78	4.9 U	5.4 U
Bis(2-chloroisopropyl) ether	ug/kg	5	0	0						1.5 U	3.2 U	2.42	2.5 U	2.7 U
Carbazole	ug/kg	5	2	40	3.4 J	15	9.2	3.4 J	3.4 J	1.6 U	15	5	2.7 U	3.4 J
Dibenzofuran	ug/kg	9	6	66.7	0.37 J	7.2	2.26	0.97 J	3 G	0.21 U	7.2	2.638888889	1.1 J	5 UG
Hexachlorobenzene	ug/kg	5	1	20	0.0404 J	0.0404 J	0.0404	0.0404 J	0.0404 J	0.0278 U	5.5 U	1.6396	0.0404 J	2.6 UT
Hexachlorobutadiene	ug/kg	5	0	0						0.00277 UJ	0.0639 U	0.042274	0.0537 U	0.0575 U
Hexachlorocyclopentadiene	ug/kg	5	0	0						19 U	39 U	30	31 U	34 U
Hexachloroethane	ug/kg	5	1	20	0.39 J	0.39 J	0.39	0.39 J	0.39 J	0.0496 UJT	4.5 U	1.02384	0.0945 UJ	0.39 J
Isophorone	ug/kg	5	0	0						2 U	4.2 U	3.2	3.3 U	3.6 U
Nitrobenzene	ug/kg	5	0	0						2.5 U	5.2 U	3.98	4.1 U	4.5 U
N-Nitrosodimethylamine	ug/kg	5	0	0						7.5 U	16 U	12.3	13 U	14 U
N-Nitrosodiphenylamine	ug/kg	5	0	0						2.8 U	5.7 U	4.36	4.5 U	4.9 U
N-Nitrosodipropylamine	ug/kg	5	0	0						4 U	8.3 U	6.36	6.6 U	7.2 U
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	5	0	0						0.72 U	7.5 U	4.276	5.9 U	6.5 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	4	0	0						0.45 U	4.7 U	3.2125	3.7 U	4 U
2,3,5,6-Tetrachlorophenol	ug/kg	1	0	0						0.74 U	0.74 U	0.74	0.74 U	0.74 U

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,4,5-Trichlorophenol	ug/kg	5	0	0						0.36 U	6.1 U	3.312	3.3 U	3.8 U
2,4,6-Trichlorophenol	ug/kg	5	0	0						0.45 U	4.7 U	2.684	3.7 U	4 U
2,4-Dichlorophenol	ug/kg	5	0	0						2.3 U	4.7 U	3.58	3.7 U	4 U
2,4-Dimethylphenol	ug/kg	5	0	0						6.8 U	15 U	11.3	12 U	13 U
2,4-Dinitrophenol	ug/kg	5	0	0						45 U	94 U	71.4	74 U	80 U
2-Chlorophenol	ug/kg	5	0	0						2.1 U	4.4 U	3.36	3.5 U	3.8 U
2-Methylphenol	ug/kg	5	0	0						4.2 U	8.8 U	6.72	7 U	7.6 U
2-Nitrophenol	ug/kg	5	0	0						3.2 U	6.8 U	5.14	5.3 U	5.8 U
4,6-Dinitro-2-methylphenol	ug/kg	5	0	0						2.1 U	4.4 U	3.36	3.5 U	3.8 U
4-Chloro-3-methylphenol	ug/kg	5	0	0						2.6 U	5.5 U	4.16	4.3 U	4.7 U
4-Methylphenol	ug/kg	5	1	20	14	14	14	14	14	3.6 U	14	7.04	5.9 U	6.5 U
4-Nitrophenol	ug/kg	5	0	0						0.38 UJ	78 U	48.676	61 U	67 U
Pentachlorophenol	ug/kg	5	0	0						0.48 U	5.1 U	2.938	4 U	4.4 U
Phenol	ug/kg	5	0	0						2.4 U	24 U	10.78	9.1 U	15 U
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	1	0	0						0.055 U	0.055 U	0.055	0.055 U	0.055 U
1,1,1-Trichloroethane	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
1,1,2,2-Tetrachloroethane	ug/kg	1	0	0						0.17 U	0.17 U	0.17	0.17 U	0.17 U
1,1,2-Trichloroethane	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
1,1-Dichloroethane	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
1,1-Dichloroethene	ug/kg	1	0	0						0.15 U	0.15 U	0.15	0.15 U	0.15 U
1,2,3-Trichloropropane	ug/kg	1	0	0						0.2 U	0.2 U	0.2	0.2 U	0.2 U
1,2-Dichloroethane	ug/kg	1	0	0						0.055 U	0.055 U	0.055	0.055 U	0.055 U
1,2-Dichloropropane	ug/kg	1	0	0						0.062 U	0.062 U	0.062	0.062 U	0.062 U
1,4-Dichloro-trans-2-butene	ug/kg	1	0	0						0.9 U	0.9 U	0.9	0.9 U	0.9 U
2-Chloroethyl vinyl ether	ug/kg	1	0	0						0.27 U	0.27 U	0.27	0.27 U	0.27 U
Acetone	ug/kg	1	0	0						3.2 U	3.2 U	3.2	3.2 U	3.2 U
Acrylonitrile	ug/kg	1	0	0						0.41 U	0.41 U	0.41	0.41 U	0.41 U
Benzene	ug/kg	1	0	0						0.069 U	0.069 U	0.069	0.069 U	0.069 U
Bromochloromethane	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
Bromodichloromethane	ug/kg	1	0	0						0.12 U	0.12 U	0.12	0.12 U	0.12 U
Bromoform	ug/kg	1	0	0						0.081 U	0.081 U	0.081	0.081 U	0.081 U
Bromomethane	ug/kg	1	0	0						0.66 U	0.66 U	0.66	0.66 U	0.66 U
BTEX	ug/kg	1	0	0						0.27 UT	0.27 UT	0.27	0.27 UT	0.27 UT
Carbon disulfide	ug/kg	1	0	0						0.23 U	0.23 U	0.23	0.23 U	0.23 U
Carbon tetrachloride	ug/kg	1	0	0						0.18 U	0.18 U	0.18	0.18 U	0.18 U
Chlorobenzene	ug/kg	1	0	0						0.13 U	0.13 U	0.13	0.13 U	0.13 U
Chlorodibromomethane	ug/kg	1	0	0						0.12 U	0.12 U	0.12	0.12 U	0.12 U
Chloroethane	ug/kg	1	0	0						0.5 U	0.5 U	0.5	0.5 U	0.5 U
Chloroform	ug/kg	1	0	0						0.099 U	0.099 U	0.099	0.099 U	0.099 U
Chloromethane	ug/kg	1	0	0						0.34 U	0.34 U	0.34	0.34 U	0.34 U
cis-1,2-Dichloroethene	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
cis-1,3-Dichloropropene	ug/kg	1	0	0						0.055 U	0.055 U	0.055	0.055 U	0.055 U
Dichlorodifluoromethane	ug/kg	1	1	100	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Ethylbenzene	ug/kg	1	0	0						0.13 U	0.13 U	0.13	0.13 U	0.13 U
Ethylene dibromide	ug/kg	1	0	0						0.09 U	0.09 U	0.09	0.09 U	0.09 U
Isopropylbenzene	ug/kg	1	0	0						0.078 U	0.078 U	0.078	0.078 U	0.078 U
m,p-Xylene	ug/kg	1	0	0						0.23 U	0.23 U	0.23	0.23 U	0.23 U
Methyl iodide	ug/kg	1	0	0						1.2 U	1.2 U	1.2	1.2 U	1.2 U
Methyl isobutyl ketone	ug/kg	1	0	0						0.43 U	0.43 U	0.43	0.43 U	0.43 U
Methyl n-butyl ketone	ug/kg	1	0	0						1.2 U	1.2 U	1.2	1.2 U	1.2 U
Methyl tert-butyl ether	ug/kg	1	0	0						0.069 U	0.069 U	0.069	0.069 U	0.069 U
Methylene bromide	ug/kg	1	0	0						0.15 U	0.15 U	0.15	0.15 U	0.15 U
Methylene chloride	ug/kg	1	0	0						0.52 U	0.52 U	0.52	0.52 U	0.52 U

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Table C1-8. Summary Statistics for All Analytes, Surface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
o-Xylene	ug/kg	1	0	0						0.14 U	0.14 U	0.14	0.14 U	0.14 U
Styrene	ug/kg	1	0	0						0.14 U	0.14 U	0.14	0.14 U	0.14 U
Tetrachloroethene	ug/kg	1	0	0						0.17 U	0.17 U	0.17	0.17 U	0.17 U
Toluene	ug/kg	1	0	0						0.27 U	0.27 U	0.27	0.27 U	0.27 U
trans-1,2-Dichloroethene	ug/kg	1	0	0						0.34 U	0.34 U	0.34	0.34 U	0.34 U
trans-1,3-Dichloropropene	ug/kg	1	0	0						0.078 U	0.078 U	0.078	0.078 U	0.078 U
Trichloroethene	ug/kg	1	0	0						0.11 U	0.11 U	0.11	0.11 U	0.11 U
Trichlorofluoromethane	ug/kg	1	0	0						0.15 U	0.15 U	0.15	0.15 U	0.15 U
Vinyl chloride	ug/kg	1	0	0						0.15 U	0.15 U	0.15	0.15 U	0.15 U
Xylene	ug/kg	1	0	0						0.23 UT	0.23 UT	0.23	0.23 UT	0.23 UT
Petroleum														
Diesel Range Hydrocarbons	mg/kg	1	1	100	38 J	38 J	38	38 J	38 J	38 J	38 J	38	38 J	38 J
Gasoline Range Hydrocarbons	mg/kg	1	0	0						1.8 U	1.8 U	1.8	1.8 U	1.8 U
Residual Range Hydrocarbons	mg/kg	1	1	100	170 J	170 J	170	170 J	170 J	170 J	170 J	170	170 J	170 J
Total Petroleum Hydrocarbons	mg/kg	1	1	100	208 JT	208 JT	208	208 JT	208 JT	208 JT	208 JT	208	208 JT	208 JT
Atterberg Limits														
Plastic Limit	percent	1	1	100										

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-9. Summary Statistics for All Analytes, Subsurface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Conventionals														
Acid Volatile Sulfides	mg/kg	9	8	88.9	0.8	53	14.4	4.8	30	0.8 U	53	12.9	4.8	30
Ammonia	mg/kg	2	2	100	70.5	119	94.8	70.5	70.5	70.5	119	94.8	70.5	70.5
Sulfide	mg/kg	2	2	100	41	45	43	41	41	41	45	43	41	41
Total organic carbon	percent	11	11	100	0.06	0.99	0.57	0.54	0.99	0.06	0.99	0.57	0.54	0.99
Total solids	percent	11	11	100	53.4	77	64.9	66.6	69.6	53.4	77	64.9	66.6	69.6
Total volatile solids	percent	2	2	100	2.79	5.72	4.26	2.79	2.79	2.79	5.72	4.26	2.79	2.79
Metals														
Antimony	mg/kg	2	2	100	0.03 G	0.05 G	0.04	0.03 G	0.03 G	0.03 G	0.05 G	0.04	0.03 G	0.03 G
Arsenic	mg/kg	11	11	100	0.6 E	5.8 E	2.53	2.4 E	5.6 E	0.6 E	5.8 E	2.53	2.4 E	5.6 E
Cadmium	mg/kg	11	11	100	0.03	1.62	0.523	0.33	1.36	0.03	1.62	0.523	0.33	1.36
Chromium	mg/kg	11	11	100	6.6	26.8	17.7	16.3	25.2	6.6	26.8	17.7	16.3	25.2
Copper	mg/kg	11	11	100	8.9	26.4	17.8	16.3	24.6	8.9	26.4	17.8	16.3	24.6
Lead	mg/kg	11	11	100	1.2	27	11.4	10.1	23.7	1.2	27	11.4	10.1	23.7
Mercury	mg/kg	11	11	100	0.01	0.13	0.0618	0.05	0.12	0.01	0.13	0.0618	0.05	0.12
Nickel	mg/kg	11	11	100	4.4	19.8	14.5	16.2	19.3	4.4	19.8	14.5	16.2	19.3
Silver	mg/kg	11	11	100	0.03	0.18	0.119	0.14	0.18	0.03	0.18	0.119	0.14	0.18
Zinc	mg/kg	11	11	100	10.8	166	78.5	75.5	138	10.8	166	78.5	75.5	138
PCB Aroclors														
Aroclor 1016	ug/kg	11	0	0						10 U	10 U	10	10 U	10 UG
Aroclor 1221	ug/kg	11	0	0						10 U	10 U	10	10 U	10 UG
Aroclor 1232	ug/kg	11	0	0						10 U	20 U	10.9	10 U	10 U
Aroclor 1242	ug/kg	11	2	18.2	22	29	25.5	22	22	10 U	29	12.8	10 U	22
Aroclor 1248	ug/kg	11	0	0						10 U	20 U	10.9	10 U	10 U
Aroclor 1254	ug/kg	11	1	9.09	43	43	43	43	43	10 U	43	14.4	10 U	20 U
Aroclor 1260	ug/kg	11	4	36.4	5	14	9.75	7	13	5	14	9.91	10 U	13
Total PCB Aroclors	ug/kg	11	5	45.5	5 T	72 T	26.6	14 T	35 T	5 T	72 T	17.5	10 UT	35 T
Pesticides														
4,4'-DDD	ug/kg	11	6	54.5	0.7 *	9.9 *	4.58	3.9 *	7 *	0.7 *	9.9 *	3.41	2 U*	7 *
4,4'-DDE	ug/kg	11	6	54.5	0.4 *	7 *	3.28	2.6 *	5 *	0.4 *	7 *	2.7	2 U*	5 *
4,4'-DDT	ug/kg	11	0	0						2 U*	6.7 U*	2.85	2 U*	6.7 U*
Aldrin	ug/kg	11	1	9.09	0.2 J	0.2 J	0.2	0.2 J	0.2 J	0.2 J	2 U	1.78	2 U	2 UG
alpha-Endosulfan	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
alpha-Hexachlorocyclohexane	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
beta-Endosulfan	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
beta-Hexachlorocyclohexane	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
Chlordane (cis & trans)	ug/kg	11	0	0						1.7 UT	10 U	8.49	10 U	10 U
cis-Chlordane	ug/kg	2	0	0						1.7 U	1.7 U	1.7	1.7 U	1.7 U
delta-Hexachlorocyclohexane	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
Dieldrin	ug/kg	11	0	0						2 U	5 U	2.33	2 U	2.3 U
Endosulfan sulfate	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
Endrin aldehyde	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
Endrin	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
gamma-Hexachlorocyclohexane	ug/kg	11	0	0						1.7 U	2 U	1.95	2 U	2 UG
Heptachlor epoxide	ug/kg	9	0	0						2 U	2 U	2	2 U	2 UG
Heptachlor	ug/kg	11	0	0						1.7 U	2 U	1.95	2 U	2 UG
Methoxychlor	ug/kg	9	0	0						4 U	4 U	4	4 U	4 UG

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Table C1-9. Summary Statistics for All Analytes, Subsurface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Total Endosulfan	ug/kg	9	0	0						2 UT	2 UT	2	2 UT	2 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	11	6	54.5	1.1 T	14.9 T	7.87	6.5 T	12 T	1.1 T	14.9 T	5.2	2 UT	12 T
Toxaphene	ug/kg	9	0	0						30 U	65 U	33.9	30 U	30 U
trans-Chlordane	ug/kg	2	0	0						1.7 U	1.7 U	1.7	1.7 U	1.7 U
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	9	9	100	2 GB	27 G	6.22	2 GB	12 G	2 GB	27 G	6.22	2 GB	12 G
Acenaphthene	ug/kg	11	9	81.8	0.7 G	33	10.1	3 G	28	0.7 G	33	9.15	5 UG	28
Acenaphthylene	ug/kg	11	9	81.8	0.3 G	11 G	2.68	1 G	5 G	0.3 G	20 U	5.83	1 G	20 U
Anthracene	ug/kg	11	9	81.8	0.6 G	35	10.4	3 G	27 G	0.6 G	35	10.8	5 UG	27 G
Benzo(a)anthracene	ug/kg	11	10	90.9	1 G	130	34.1	5 G	86 G	1 G	130	31.2	5 G	86 G
Benzo(a)pyrene	ug/kg	11	11	100	0.9 GB	180	46	9 GB	123 G	0.9 GB	180	46	9 GB	123 G
Benzo(b)fluoranthene	ug/kg	11	10	90.9	2 G	120	33.8	8 G	81 G	2 G	120	31.2	8 G	81 G
Benzo(b+k)fluoranthene	ug/kg	11	11	100	3 T	220 T	59.9	15 T	160 T	3 T	220 T	59.9	15 T	160 T
Benzo(g,h,i)perylene	ug/kg	11	11	100	1 GB	115 GB	34.8	12 GB	100	1 GB	115 GB	34.8	12 GB	100
Benzo(k)fluoranthene	ug/kg	11	10	90.9	1 G	100	31.1	7 G	79 G	1 G	100	28.7	7 G	79 G
Chrysene	ug/kg	11	11	100	0.7 G	160	38.6	5 G	112 G	0.7 G	160	38.6	5 G	112 G
Dibenzo(a,h)anthracene	ug/kg	11	10	90.9	0.8 GB	20	6.87	2 GB	19 G	0.8 GB	20 U	8.06	5 GB	20
Fluoranthene	ug/kg	11	11	100	0.7 G	300	66.4	10 G	158 G	0.7 G	300	66.4	10 G	158 G
Fluorene	ug/kg	11	10	90.9	0.7 G	22	6.14	2 G	19 G	0.7 G	22	7.4	2 G	20 U
High Molecular Weight PAH	ug/kg	11	11	100	11 T	1630 T	405	76 T	1080 T	11 T	1630 T	405	76 T	1080 T
Indeno(1,2,3-cd)pyrene	ug/kg	11	11	100	1 GB	130	37.1	11 GB	108 G	1 GB	130	37.1	11 GB	108 G
Low Molecular Weight PAH	ug/kg	11	11	100	6.7 T	368 JT	94.8	21 T	227 T	6.7 T	368 JT	94.8	21 T	227 T
Naphthalene	ug/kg	11	10	90.9	0.6 GB	50	11.9	2 GB	31 G	0.6 GB	50	12.6	3 GB	31 G
Phenanthrene	ug/kg	11	11	100	2 GB	250	54.4	10 GB	140	2 GB	250	54.4	10 GB	140
Pyrene	ug/kg	11	11	100	0.9 G	390	85.3	12 G	198 G	0.9 G	390	85.3	12 G	198 G
Total PAHs	ug/kg	11	11	100	20.7 T	1998 JT	499	88.4 T	1307 T	20.7 T	1998 JT	499	88.4 T	1307 T
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	2	1	50	56	56	56	56	56	36 U	56	46	36 U	36 U
Butylbenzyl phthalate	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Dibutyl phthalate	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Diethyl phthalate	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Dimethyl phthalate	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Di-n-octyl phthalate	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Semivolatile Organic Compounds														
1,2-Dichlorobenzene	ug/kg	2	0	0						1 U	1 U	1	1 U	1 U
1,3-Dichlorobenzene	ug/kg	2	0	0						1 U	1 U	1	1 U	1 U
1,4-Dichlorobenzene	ug/kg	2	0	0						1 U	1 U	1	1 U	1 U
Benzoic acid	ug/kg	2	0	0						100 U	100 U	100	100 U	100 U
Benzyl alcohol	ug/kg	2	0	0						6 U	6 U	6	6 U	6 U
Dibenzofuran	ug/kg	11	6	54.5	0.5 G	8 G	2.53	1 G	4 G	0.5 G	20 U	6.38	5 UG	20 U
Hexachlorobenzene	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
Hexachlorobutadiene	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U
N-Nitrosodiphenylamine	ug/kg	2	0	0						12 U	12 U	12	12 U	12 U
Phenols														
2,4-Dimethylphenol	ug/kg	2	0	0						6 U	6 U	6	6 U	6 U
2-Methylphenol	ug/kg	2	0	0						6 U	6 U	6	6 U	6 U
4-Methylphenol	ug/kg	2	1	50	77	77	77	77	77	20 U	77	48.5	20 U	20 U

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Table C1-9. Summary Statistics for All Analytes, Subsurface Sediment, Downstream (RM 0-2).

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Pentachlorophenol	ug/kg	2	0	0						61 U	61 U	61	61 U	61 U
Phenol	ug/kg	2	0	0						20 U	20 U	20	20 U	20 U

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Grainsize														
>9 Phi clay	percent	7	7	100	0.17	2.77 T	1.14	0.46	2.46	0.17	2.77 T	1.14	0.46	2.46
8-9 Phi clay	percent	7	7	100	0.23	1.58	0.856	0.57	1.44	0.23	1.58	0.856	0.57	1.44
Coarse sand	percent	7	7	100	0.12	20.5	8.93	7.18	17.1 T	0.12	20.5	8.93	7.18	17.1 T
Coarse silt	percent	7	7	100		6.49	2.35	1.05	5 T	0	6.49	2.35	1.05	5 T
Fine gravel	percent	7	7	100	0.01	9.1	2.31	1.37	2.85 T	0.01	9.1	2.31	1.37	2.85 T
Fine sand	percent	7	7	100	2.51	55.2	26.7	19.8 T	52.2 T	2.51	55.2	26.7	19.8 T	52.2 T
Fine silt	percent	7	7	100	0.237 T	2.69	1.3	0.6	2.69 T	0.237 T	2.69	1.3	0.6	2.69 T
Fines	percent	7	7	100	1.41 T	18.6 T	8.17	4.26 T	16.2 T	1.41 T	18.6 T	8.17	4.26 T	16.2 T
Medium gravel	percent	7	7	100		17.8	3.66	0.46	6.6 T	0	17.8	3.66	0.46	6.6 T
Medium sand	percent	7	7	100	2.64	68.7	39.2	44.1	60.7	2.64	68.7	39.2	44.1	60.7
Medium silt	percent	7	7	100	0.21	3.37	1.51	0.8	2.86 T	0.21	3.37	1.51	0.8	2.86 T
Very coarse sand	percent	7	7	100	0.07	3.99	1.71	1.37	3.49	0.07	3.99	1.71	1.37	3.49
Very fine sand	percent	7	7	100	0.71	23.4	8.62	8	11.3 T	0.71	23.4	8.62	8	11.3 T
Very fine silt	percent	7	7	100	0.31	2.05	1.03	0.78	1.73	0.31	2.05	1.03	0.78	1.73
Conventionals														
Ammonia	mg/kg	1	1	100	18.9 J	18.9 J	18.9	18.9 J	18.9 J	18.9 J	18.9 J	18.9	18.9 J	18.9 J
Specific Gravity	NA	5	5	100	1.68	1.84	1.76	1.75	1.79 T	1.68	1.84	1.76	1.75	1.79 T
Sulfide	mg/kg	1	0	0						0.09 U	0.09 U	0.045	0.045 U	0.045 U
Total organic carbon	percent	7	7	100	0.21	1.58	0.517	0.437 T	0.44	0.21	1.58	0.517	0.437 T	0.44
Total solids	percent	7	7	100	63.3	77.7 T	70.5	69.8 T	74.9	63.3	77.7 T	70.5	69.8 T	74.9
Metals														
Aluminum	mg/kg	7	7	100	9090	20700	13800	13800 T	16400	9090	20700	13800	13800 T	16400
Antimony	mg/kg	7	3	42.9	0.07 J	0.18 JT	0.117	0.1 J	0.1 J	0.07 J	0.18 JT	0.0786	0.07 J	0.1 J
Arsenic	mg/kg	7	7	100	2.73	6.5 T	3.9	3.3	4.44	2.73	6.5 T	3.9	3.3	4.44
Cadmium	mg/kg	7	7	100	0.088	0.635	0.184	0.108	0.132	0.088	0.635	0.184	0.108	0.132
Chromium hexavalent	mg/kg	1	0	0						0.2 UJ	0.2 UJ	0.1	0.1 UJ	0.1 UJ
Chromium	mg/kg	7	7	100	12.6	26.4	18.8	20.8 J	22.8 T	12.6	26.4	18.8	20.8 J	22.8 T
Copper	mg/kg	7	7	100	11	20.3 T	15.8	16.1	19.3	11	20.3 T	15.8	16.1	19.3
Lead	mg/kg	7	7	100	5.55	30.2 JT	10.3	7.29 J	8.35	5.55	30.2 JT	10.3	7.29 J	8.35
Mercury	mg/kg	7	7	100	0.02	0.06 T	0.0324	0.033	0.04	0.02	0.06 T	0.0324	0.033	0.04
Nickel	mg/kg	7	7	100	15.4	22.2	19	19.2	21.6	15.4	22.2	19	19.2	21.6
Selenium	mg/kg	7	3	42.9	0.05 J	0.085 JT	0.0617	0.05 J	0.05 J	0.04 U	0.21 U	0.0514	0.05 J	0.085 JT
Silver	mg/kg	7	7	100	0.036	0.17 J	0.0771	0.047	0.153	0.036	0.17 J	0.0771	0.047	0.153
Zinc	mg/kg	7	7	100	60.4	102 T	75.3	71.6	78.8	60.4	102 T	75.3	71.6	78.8
Butyltins														
Butyltin ion	ug/kg	1	1	100	0.43 J	0.43 J	0.43	0.43 J	0.43 J	0.43 J	0.43 J	0.43	0.43 J	0.43 J
Dibutyltin ion	ug/kg	1	1	100	1 J	1 J	1	1 J	1 J	1 J	1 J	1	1 J	1 J
Tetrabutyltin	ug/kg	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
Tributyltin ion	ug/kg	1	1	100	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
PCB Aroclors														
Aroclor 1016	ug/kg	7	0	0						1.3 U	1.8 U	0.686	0.65 U	0.65 U
Aroclor 1221	ug/kg	7	0	0						1.8 U	2.5 U	1.15	1.2 U	1.2 U
Aroclor 1232	ug/kg	7	0	0						1.8 U	2.2 U	1.04	1.05 U	1.1 U
Aroclor 1242	ug/kg	7	0	0						1.3 U	1.8 U	0.693	0.65 U	0.7 U
Aroclor 1248	ug/kg	7	0	0						1.6 U	1.8 U	0.843	0.85 U	0.85 U
Aroclor 1254	ug/kg	7	0	0						0.76 U	3.2 U	0.562	0.39 U	0.405 U
Aroclor 1260	ug/kg	7	2	28.6	2.4 J	3.3	2.85	2.4 J	2.4 J	0.98 U	3.3	1.17	0.5 U	2.4 J
Aroclor 1262	ug/kg	7	0	0						1.2 U	1.8 U	0.643	0.6 U	0.6 U
Aroclor 1268	ug/kg	7	0	0						1 U	1.8 U	0.564	0.5 U	0.55 U
Total PCB Aroclors	ug/kg	7	2	28.6	2.4 JT	3.3 T	2.85	2.4 JT	2.4 JT	2.3 UT	3.3 T	1.66	1.2 UT	2.4 JT
PCB Congeners														
PCB001	ug/kg	1	1	100	0.00598	0.00598	0.00598	0.00598	0.00598	0.00598	0.00598	0.00598	0.00598	0.00598
PCB002	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB003	ug/kg	1	1	100	0.00551	0.00551	0.00551	0.00551	0.00551	0.00551	0.00551	0.00551	0.00551	0.00551
PCB004 & 010	ug/kg	1	0	0						0.0102 U	0.0102 U	0.0051	0.0051 U	0.0051 U
PCB005 & 008	ug/kg	1	0	0						0.0217 U	0.0217 U	0.0109	0.01085 U	0.01085 U
PCB006	ug/kg	1	0	0						0.0102 U	0.0102 U	0.0051	0.0051 U	0.0051 U
PCB007 & 009	ug/kg	1	0	0						0.0102 U	0.0102 U	0.0051	0.0051 U	0.0051 U
PCB011	ug/kg	1	1	100	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465
PCB012 & 013	ug/kg	1	0	0						0.0102 U	0.0102 U	0.0051	0.0051 U	0.0051 U
PCB014	ug/kg	1	0	0						0.0102 U	0.0102 U	0.0051	0.0051 U	0.0051 U
PCB015	ug/kg	1	1	100	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385
PCB016 & 032	ug/kg	1	1	100	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377
PCB017	ug/kg	1	1	100	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
PCB018	ug/kg	1	1	100	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525
PCB019	ug/kg	1	1	100	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
PCB020 & 021 & 033	ug/kg	1	1	100	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372
PCB022	ug/kg	1	1	100	0.0266	0.0266	0.0266	0.0266	0.0266	0.0266	0.0266	0.0266	0.0266	0.0266
PCB023	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB024 & 027	ug/kg	1	1	100	0.00609	0.00609	0.00609	0.00609	0.00609	0.00609	0.00609	0.00609	0.00609	0.00609
PCB025	ug/kg	1	1	100	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681
PCB026	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB028	ug/kg	1	1	100	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094	0.094
PCB029	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB030	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB031	ug/kg	1	1	100	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734
PCB034	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB035	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB036	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB037	ug/kg	1	1	100	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401
PCB038	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB039	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB040	ug/kg	1	1	100	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273
PCB041 & 064 &071 &072	ug/kg	1	1	100	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144
PCB042 & 059	ug/kg	1	1	100	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489
PCB043 & 049	ug/kg	1	1	100	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
PCB044	ug/kg	1	1	100	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
PCB045	ug/kg	1	1	100	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233
PCB046	ug/kg	1	1	100	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115
PCB047	ug/kg	1	1	100	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682
PCB048 & 075	ug/kg	1	1	100	0.0287	0.0287	0.0287	0.0287	0.0287	0.0287	0.0287	0.0287	0.0287	0.0287
PCB050	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB051	ug/kg	1	1	100	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161
PCB052 & 069	ug/kg	1	1	100	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
PCB053	ug/kg	1	1	100	0.0344	0.0344	0.0344	0.0344	0.0344	0.0344	0.0344	0.0344	0.0344	0.0344
PCB054	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB055	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB056 & 060	ug/kg	1	1	100	0.0797	0.0797	0.0797	0.0797	0.0797	0.0797	0.0797	0.0797	0.0797	0.0797
PCB057	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB058	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB061 & 070	ug/kg	1	1	100	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
PCB062	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB063	ug/kg	1	1	100	0.00516	0.00516	0.00516	0.00516	0.00516	0.00516	0.00516	0.00516	0.00516	0.00516
PCB065	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB066 & 076	ug/kg	1	1	100	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
PCB067	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB068	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB073	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB074	ug/kg	1	1	100	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625
PCB077	ug/kg	2	2	100	0.00604	0.0161	0.0111	0.00604	0.00604	0.00604	0.0161	0.0111	0.00604	0.00604
PCB078	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB079	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB080	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB081	ug/kg	2	2	100	0.00095	0.00118 J	0.00106	0.000947	0.00095	0.000947	0.00118 J	0.00106	0.000947	0.00095
PCB082	ug/kg	1	1	100	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339
PCB083	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB084 & 092	ug/kg	1	1	100	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136	0.136
PCB085 & 116	ug/kg	1	1	100	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447
PCB086	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB087 & 117 & 125	ug/kg	1	1	100	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899
PCB088 & 091	ug/kg	1	1	100	0.0562	0.0562	0.0562	0.0562	0.0562	0.0562	0.0562	0.0562	0.0562	0.0562
PCB089	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB090 & 101	ug/kg	1	1	100	0.287	0.287	0.287	0.287	0.287	0.287	0.287	0.287	0.287	0.287
PCB093	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB094	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB095 & 098 & 102	ug/kg	1	1	100	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
PCB096	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB097	ug/kg	1	1	100	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763
PCB099	ug/kg	1	1	100	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123
PCB100	ug/kg	1	1	100	0.00739	0.00739	0.00739	0.00739	0.00739	0.00739	0.00739	0.00739	0.00739	0.00739
PCB103	ug/kg	1	1	100	0.00863	0.00863	0.00863	0.00863	0.00863	0.00863	0.00863	0.00863	0.00863	0.00863
PCB104	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB105	ug/kg	2	2	100	0.033	0.0787	0.0559	0.033	0.033	0.033	0.0787	0.0559	0.033	0.033
PCB106 & 118	ug/kg	2	2	100	0.0784	0.223	0.151	0.0784	0.0784	0.0784	0.223	0.151	0.0784	0.0784
PCB107 & 109	ug/kg	1	1	100	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205
PCB108 & 112	ug/kg	1	1	100	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169
PCB110	ug/kg	1	1	100	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
PCB111 & 115	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB113	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB114	ug/kg	2	2	100	0.00189	0.0047 J	0.0033	0.00189	0.00189	0.00189	0.0047 J	0.0033	0.00189	0.00189
PCB119	ug/kg	1	1	100	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111
PCB120	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB121	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB122	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB123	ug/kg	2	2	100	0.00145	0.00485 J	0.00315	0.00145	0.00145	0.00145	0.00485 J	0.00315	0.00145	0.00145
PCB124	ug/kg	1	1	100	0.00821	0.00821	0.00821	0.00821	0.00821	0.00821	0.00821	0.00821	0.00821	0.00821
PCB126	ug/kg	2	2	100	0.00092	0.0018 J	0.00136	0.000923	0.00092	0.000923	0.0018 J	0.00136	0.000923	0.00092
PCB127	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB128 & 162	ug/kg	1	1	100	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615
PCB129	ug/kg	1	1	100	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
PCB130	ug/kg	1	1	100	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316
PCB131	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB132 & 161	ug/kg	1	1	100	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
PCB133 & 142	ug/kg	1	1	100	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139
PCB134 & 143	ug/kg	1	1	100	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
PCB135	ug/kg	1	1	100	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694
PCB136	ug/kg	1	1	100	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644
PCB137	ug/kg	1	1	100	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184
PCB138 & 163 & 164	ug/kg	1	1	100	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
PCB139 & 149	ug/kg	1	1	100	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
PCB140	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)[a]	95th (half DL)[a]
PCB141	ug/kg	1	1	100	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792
PCB144	ug/kg	1	1	100	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
PCB145	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB146 & 165	ug/kg	1	1	100	0.0712	0.0712	0.0712	0.0712	0.0712	0.0712	0.0712	0.0712	0.0712	0.0712
PCB147	ug/kg	1	1	100	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151
PCB148	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB150	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB151	ug/kg	1	1	100	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
PCB152	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB153	ug/kg	1	1	100	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396
PCB154	ug/kg	1	0	0						0.0107 U	0.0107 U	0.00535	0.00535 U	0.00535 U
PCB155	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB156	ug/kg	2	2	100	0.0146	0.0315	0.0231	0.0146	0.0146	0.0146	0.0315	0.0231	0.0146	0.0146
PCB157	ug/kg	2	2	100	0.00283	0.00819	0.00551	0.00283	0.00283	0.00283	0.00819	0.00551	0.00283	0.00283
PCB158 & 160	ug/kg	1	1	100	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.047
PCB159	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB166	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB167	ug/kg	2	2	100	0.00666	0.0151	0.0109	0.00666	0.00666	0.00666	0.0151	0.0109	0.00666	0.00666
PCB168	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB169	ug/kg	2	1	50	0.00021	0.000206	0.000206	0.000206	0.00021	0.000206	0.000913 U	0.000331	0.000206	0.00021
PCB170	ug/kg	1	1	100	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109	0.109
PCB171	ug/kg	1	1	100	0.0292	0.0292	0.0292	0.0292	0.0292	0.0292	0.0292	0.0292	0.0292	0.0292
PCB172	ug/kg	1	1	100	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
PCB173	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB174	ug/kg	1	1	100	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
PCB175	ug/kg	1	1	100	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621
PCB176	ug/kg	1	1	100	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169
PCB177	ug/kg	1	1	100	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724
PCB178	ug/kg	1	1	100	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309
PCB179	ug/kg	1	1	100	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
PCB180	ug/kg	1	1	100	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
PCB181	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB182 & 187	ug/kg	1	1	100	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
PCB183	ug/kg	1	1	100	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074
PCB184	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB185	ug/kg	1	1	100	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132
PCB186	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB188	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB189	ug/kg	2	2	100	0.00281	0.00411 J	0.00346	0.00281	0.00281	0.00281	0.00411 J	0.00346	0.00281	0.00281
PCB190	ug/kg	1	1	100	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229
PCB191	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB192	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB193	ug/kg	1	1	100	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
PCB194	ug/kg	1	1	100	0.0528	0.0528	0.0528	0.0528	0.0528	0.0528	0.0528	0.0528	0.0528	0.0528
PCB195	ug/kg	1	1	100	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
PCB196 & 203	ug/kg	1	1	100	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651
PCB197	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB198	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB199	ug/kg	1	1	100	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634
PCB200	ug/kg	1	1	100	0.00815	0.00815	0.00815	0.00815	0.00815	0.00815	0.00815	0.00815	0.00815	0.00815
PCB201	ug/kg	1	1	100	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695
PCB202	ug/kg	1	1	100	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
PCB204	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB205	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
PCB206	ug/kg	1	1	100	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295
PCB207	ug/kg	1	0	0						0.00512 U	0.00512 U	0.00256	0.00256 U	0.00256 U
PCB208	ug/kg	1	1	100	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078
PCB209	ug/kg	1	1	100	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234
Total PCB Congeners	ug/kg	2	2	100	0.15 T	7.08	3.62	0.15 T	0.15 T	0.15 T	7.08	3.62	0.15 T	0.15 T
PCB Homologs														
Dichlorobiphenyl homologs	ug/kg	1	1	100	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085
Heptachlorobiphenyl homologs	ug/kg	1	1	100	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Hexachlorobiphenyl homologs	ug/kg	1	1	100	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
Monochlorobiphenyl homologs	ug/kg	1	1	100	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115
Nonachlorobiphenyl homologs	ug/kg	1	1	100	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372	0.0372
Octachlorobiphenyl homologs	ug/kg	1	1	100	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231
Pentachlorobiphenyl homologs	ug/kg	1	1	100	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
Tetrachlorobiphenyl homologs	ug/kg	1	1	100	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
Trichlorobiphenyl homologs	ug/kg	1	1	100	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411
Dioxins/Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	2	1	50	0.4055 JT	0.4055 JT	0.406	0.4055 JT	0.4055 JT	0.4055 JT	0.763 U	0.394	0.3815 U	0.3815 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2	2	100	3.0585 T	19.476	11.3	3.0585 T	3.0585 T	3.0585 T	19.476	11.3	3.0585 T	3.0585 T
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	2	1	50	0.069 J	0.069 J	0.069	0.069 J	0.069 J	0.059 UT	0.069 J	0.0493	0.0295 UT	0.0295 UT
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	2	1	50	0.216 JT	0.216 JT	0.216	0.216 JT	0.216 JT	0.216 JT	0.24 U	0.168	0.12 U	0.12 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	1	50	0.045 J	0.045 J	0.045	0.045 J	0.045 J	0.036 UT	0.045 J	0.0315	0.018 UT	0.018 UT
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	2	2	100	0.081 J	0.087 JT	0.084	0.081 J	0.081 J	0.081 J	0.087 JT	0.084	0.081 J	0.081 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2	2	100	0.131 JT	0.459 J	0.295	0.131 JT	0.131 JT	0.131 JT	0.459 J	0.295	0.131 JT	0.131 JT
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	2	0	0						0.009 U	0.028 UT	0.00925	0.0045 U	0.0045 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	2	2	100	0.101 JT	0.164 J	0.133	0.101 JT	0.101 JT	0.101 JT	0.164 J	0.133	0.101 JT	0.101 JT
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	2	2	100	0.079 JT	0.164 J	0.122	0.079 JT	0.079 JT	0.079 JT	0.164 J	0.122	0.079 JT	0.079 JT
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	2	1	50	0.037 JT	0.037 JT	0.037	0.037 JT	0.037 JT	0.014 U	0.037 JT	0.022	0.007 U	0.007 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	2	1	50	0.041 J	0.041 J	0.041	0.041 J	0.041 J	0.024 UT	0.041 J	0.0265	0.012 UT	0.012 UT
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	2	2	100	0.085 JT	0.109 J	0.097	0.085 JT	0.085 JT	0.085 JT	0.109 J	0.097	0.085 JT	0.085 JT
2,3,7,8-Tetrachlorodibenzofuran	pg/g	2	2	100	0.1825 T	0.374	0.278	0.1825 T	0.1825 T	0.1825 T	0.374	0.278	0.1825 T	0.1825 T
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	2	0	0						0.01 U	0.031 UT	0.0103	0.005 U	0.005 U
Total PCDD/F	pg/g	2	2	100	35.4 JT	175 T	105	35.4 JT	35.4 JT	35.4 JT	175 T	105	35.4 JT	35.4 JT
2,3,7,8-TCDD TEQ														
Dioxin/furan TCDD toxicity equivalent	pg/g	2	2	100	0.192 JT	0.386 JT	0.289	0.192 JT	0.192 JT	0.192 JT	0.386 JT	0.289	0.192 JT	0.192 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g	2	2	100	0.116 T	0.235 JT	0.176	0.116 T	0.116 T	0.116 T	0.235 JT	0.176	0.116 T	0.116 T
Total TCDD toxicity equivalent	pg/g	2	2	100	0.309 JT	0.622 JT	0.466	0.309 JT	0.309 JT	0.309 JT	0.622 JT	0.466	0.309 JT	0.309 JT
Dioxin/Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g	2	2	100	1.142 T	3.038	2.09	1.142 T	1.142 T	1.142 T	3.038	2.09	1.142 T	1.142 T
Heptachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	6.9345 T	42.652	24.8	6.9345 T	6.9345 T	6.9345 T	42.652	24.8	6.9345 T	6.9345 T
Hexachlorodibenzofuran homologs	pg/g	2	2	100	0.7445 T	1.581	1.16	0.7445 T	0.7445 T	0.7445 T	1.581	1.16	0.7445 T	0.7445 T
Hexachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	0.9055 T	4.709	2.81	0.9055 T	0.9055 T	0.9055 T	4.709	2.81	0.9055 T	0.9055 T
Octachlorodibenzofuran	pg/g	2	2	100	1.0915 JT	3.498	2.29	1.0915 JT	1.0915 JT	1.0915 JT	3.498	2.29	1.0915 JT	1.0915 JT
Octachlorodibenzo-p-dioxin	pg/g	2	2	100	23.7775 T	115.297	69.5	23.7775 T	23.7775 T	23.7775 T	115.297	69.5	23.7775 T	23.7775 T
Pentachlorodibenzofuran homologs	pg/g	2	2	100	0.362 T	1.34	0.851	0.362 T	0.362 T	0.362 T	1.34	0.851	0.362 T	0.362 T
Pentachlorodibenzo-p-dioxin homologs	pg/g	2	2	100	0.118 T	0.302	0.21	0.118 T	0.118 T	0.118 T	0.302	0.21	0.118 T	0.118 T
Tetrachlorodibenzofuran homologs	pg/g	2	2	100	0.2775 T	1.824	1.05	0.2775 T	0.2775 T	0.2775 T	1.824	1.05	0.2775 T	0.2775 T
Tetrachlorodibenzo-p-dioxin homologs	pg/g	2	1	50	0.322	0.322	0.322	0.322	0.322	0.031 UT	0.322	0.169	0.0155 UT	0.0155 UT
Pesticides														
2,4'-DDD	ug/kg	7	7	100	0.197 J	1.05 T	0.596	0.472 NJ	1.01 NJ	0.197 J	1.05 T	0.596	0.472 NJ	1.01 NJ
2,4'-DDE	ug/kg	7	1	14.3	0.0628 JT	0.0628 JT	0.0628	0.0628 JT	0.0628 JT	0.0352 U	0.0628 JT	0.0243	0.01785 U	0.0183 UJ
2,4'-DDT	ug/kg	7	4	57.1	0.0527 JT	0.387 NJ	0.18	0.095 J	0.187 NJ	0.0468 U	0.387 NJ	0.113	0.0527 JT	0.187 NJ
4,4'-DDD	ug/kg	7	7	100	0.412	3.5 T	1.32	0.954 NJ	1.47 J	0.412	3.5 T	1.32	0.954 NJ	1.47 J
4,4'-DDE	ug/kg	7	7	100	0.156	0.714 NJ	0.417	0.398 NJ	0.682 T	0.156	0.714 NJ	0.417	0.398 NJ	0.682 T
4,4'-DDT	ug/kg	7	7	100	0.211 J	0.585 J	0.428	0.441 J	0.534 NJ	0.211 J	0.585 J	0.428	0.441 J	0.534 NJ

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Aldrin	ug/kg	7	5	71.4	0.017 JT	0.257 NJ	0.109	0.093 NJ	0.112 NJ	0.017 JT	0.257 NJ	0.0827	0.067 J	0.112 NJ
alpha-Endosulfan	ug/kg	7	1	14.3	0.072 J	0.072 J	0.072	0.072 J	0.072 J	0.0117 UT	0.072 J	0.0219	0.015 U	0.0154 UJ
alpha-Hexachlorocyclohexane	ug/kg	7	4	57.1	0.0051 JT	0.262 NJ	0.0913	0.047 J	0.051 J	0.0051 JT	0.262 NJ	0.0596	0.0179 UJ	0.051 J
beta-Endosulfan	ug/kg	7	1	14.3	0.335 J	0.335 J	0.335	0.335 J	0.335 J	0.0252 U	0.44 U	0.17	0.213 U	0.22 U
beta-Hexachlorocyclohexane	ug/kg	7	4	57.1	0.00206 JT	1.63 NJ	0.513	0.124 J	0.294 J	0.00206 JT	1.63 NJ	0.3	0.01775 U	0.294 J
Chlordane (cis & trans)	ug/kg	1	1	100	0.206 JT	0.206 JT	0.206	0.206 JT	0.206 JT	0.206 JT	0.206 JT	0.206	0.206 JT	0.206 JT
cis-Chlordane	ug/kg	7	1	14.3	0.095 JT	0.095 JT	0.095	0.095 JT	0.095 JT	0.0343 U	0.095 JT	0.0285	0.01735 U	0.01785 UJ
cis-Nonachlor	ug/kg	7	1	14.3	0.0234 JT	0.0234 JT	0.0234	0.0234 JT	0.0234 JT	0.0234 JT	0.0446 UJ	0.022	0.02175 U	0.0223 UJ
delta-Hexachlorocyclohexane	ug/kg	7	0	0						0.000979 UT	0.0765 UJ	0.032	0.037 U	0.03755 UJ
Dieldrin	ug/kg	7	3	42.9	0.075 JT	0.352 NJ	0.206	0.19 NJ	0.19 NJ	0.0528 U	0.352 NJ	0.103	0.0274 UJ	0.19 NJ
Endosulfan sulfate	ug/kg	7	1	14.3	0.0497 JT	0.0497 JT	0.0497	0.0497 JT	0.0497 JT	0.0497 JT	0.0791 UJ	0.0401	0.03855 U	0.03955 UJ
Endrin aldehyde	ug/kg	7	0	0						0.045 UJ	0.171 UT	0.0318	0.0228 U	0.0234 UJ
Endrin ketone	ug/kg	7	0	0						0.0303 U	0.105 UT	0.0207	0.01535 U	0.01575 U
Endrin	ug/kg	6	3	50	0.00198 JT	0.869 NJ	0.35	0.179 NJ	0.179 NJ	0.00198 JT	0.869 NJ	0.185	0.02055 UJ	0.179 NJ
gamma-Hexachlorocyclohexane	ug/kg	7	2	28.6	0.00469 JT	0.671 NJ	0.338	0.00469 JT	0.00469 JT	0.00469 JT	0.671 NJ	0.125	0.03985 U	0.0409 UJ
Heptachlor epoxide	ug/kg	7	1	14.3	0.0058 JT	0.0058 JT	0.0058	0.0058 JT	0.0058 JT	0.0058 JT	0.0425 UJ	0.0186	0.02055 U	0.02085 U
Heptachlor	ug/kg	7	0	0						0.00595 UT	0.0326 UJ	0.014	0.01575 U	0.016 U
Methoxychlor	ug/kg	7	5	71.4	0.233	0.944 J	0.563	0.414 NJ	0.843 J	0.036 UT	0.944 J	0.408	0.382 J	0.843 J
Mirex	ug/kg	7	0	0						0.037 U	0.72 U	0.0675	0.01875 U	0.01925 U
Oxychlordane	ug/kg	7	1	14.3	0.057 J	0.057 J	0.057	0.057 J	0.057 J	0.0186 U	0.0601 UT	0.0191	0.0094 U	0.03005 UT
Total Chlordanes	ug/kg	7	2	28.6	0.057 JT	0.287 JT	0.172	0.057 JT	0.057 JT	0.0429 UT	0.287 JT	0.0646	0.02175 UT	0.057 JT
Total Endosulfan	ug/kg	7	3	42.9	0.0497 JT	0.335 JT	0.152	0.072 JT	0.072 JT	0.0497 JT	0.44 UT	0.157	0.1725 UT	0.22 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg	7	7	100	1.27 JT	5.71 JT	2.88	2.63 JT	3.55 JT	1.27 JT	5.71 JT	2.88	2.63 JT	3.55 JT
Total of 2,4' and 4,4'-DDD	ug/kg	7	7	100	0.674 JT	4.55 T	1.92	1.7 JT	2.27 JT	0.674 JT	4.55 T	1.92	1.7 JT	2.27 JT
Total of 2,4' and 4,4'-DDE	ug/kg	7	7	100	0.156 T	0.745 JT	0.426	0.398 JT	0.714 JT	0.156 T	0.745 JT	0.426	0.398 JT	0.714 JT
Total of 2,4' and 4,4'-DDT	ug/kg	7	7	100	0.211 JT	0.972 JT	0.531	0.447 JT	0.629 JT	0.211 JT	0.972 JT	0.531	0.447 JT	0.629 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg	7	7	100	1.01 JT	4.55 T	2.17	1.75 JT	2.77 JT	1.01 JT	4.55 T	2.17	1.75 JT	2.77 JT
Toxaphene	ug/kg	7	0	0						9.69 U	59 U	8.42	4.91 U	5.05 U
trans-Chlordane	ug/kg	7	1	14.3	0.111 JT	0.111 JT	0.111	0.111 JT	0.111 JT	0.0217 U	0.111 JT	0.0253	0.01095 U	0.01125 U
trans-Nonachlor	ug/kg	7	1	14.3	0.0579 JT	0.0579 JT	0.0579	0.0579 JT	0.0579 JT	0.0374 U	0.0579 JT	0.0245	0.01895 U	0.01945 U
Herbicide														
2,4,5-T	ug/kg	1	0	0						0.44 UJ	0.44 UJ	0.22	0.22 UJ	0.22 UJ
2,4-D	ug/kg	1	0	0						0.3 UJ	0.3 UJ	0.15	0.15 UJ	0.15 UJ
2,4-DB	ug/kg	1	0	0						0.45 UJ	0.45 UJ	0.225	0.225 UJ	0.225 UJ
Dalapon	ug/kg	1	0	0						0.27 UJ	0.27 UJ	0.135	0.135 UJ	0.135 UJ
Dicamba	ug/kg	1	0	0						0.95 UJ	0.95 UJ	0.475	0.475 UJ	0.475 UJ
Dichloroprop	ug/kg	1	0	0						0.48 UJ	0.48 UJ	0.24	0.24 UJ	0.24 UJ
Dinoseb	ug/kg	1	0	0						0.61 UJ	0.61 UJ	0.305	0.305 UJ	0.305 UJ
MCPA	ug/kg	1	0	0						0.64 UJ	0.64 UJ	0.32	0.32 UJ	0.32 UJ
MCPP	ug/kg	1	0	0						0.59 UJ	0.59 UJ	0.295	0.295 UJ	0.295 UJ
Silvex	ug/kg	1	0	0						0.44 UJ	0.44 UJ	0.22	0.22 UJ	0.22 UJ
Polycyclic Aromatic Hydrocarbons														
2-Methylnaphthalene	ug/kg	7	7	100	1.2 J	8.3	4.79	5.7	7	1.2 J	8.3	4.79	5.7	7
Acenaphthene	ug/kg	7	7	100	0.92 J	24	7.2	4.2 J	12	0.92 J	24	7.2	4.2 J	12
Acenaphthylene	ug/kg	7	7	100	9.1	62	27.3	23	41	9.1	62	27.3	23	41
Anthracene	ug/kg	7	7	100	4.8	52	22.8	14	50	4.8	52	22.8	14	50
Benzo(a)anthracene	ug/kg	7	7	100	30	280	121	77	220	30	280	121	77	220
Benzo(a)pyrene	ug/kg	7	7	100	59	450	222	150	410	59	450	222	150	410
Benzo(b)fluoranthene	ug/kg	7	7	100	54	370	170	130	290	54	370	170	130	290
Benzo(g,h,i)perylene	ug/kg	7	7	100	51	310	178	140	310	51	310	178	140	310
Benzo(k)fluoranthene	ug/kg	7	7	100	16	200	73.6	46	120	16	200	73.6	46	120
Chrysene	ug/kg	7	7	100	37	340	147	88	270	37	340	147	88	270
Dibenzo(a,h)anthracene	ug/kg	7	7	100	5.6	43	21.4	17	38	5.6	43	21.4	17	38
Fluoranthene	ug/kg	7	7	100	22	380	152	92	290	22	380	152	92	290

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Fluorene	ug/kg	7	7	100	0.95 J	17	5.55	3.3	10	0.95 J	17	5.55	3.3	10
High Molecular Weight PAH	ug/kg	7	7	100	384 T	3130 T	1470	990 T	2670 T	384 T	3130 T	1470	990 T	2670 T
Indeno(1,2,3-cd)pyrene	ug/kg	7	7	100	44	310	173	140	310	44	310	173	140	310
Low Molecular Weight PAH	ug/kg	7	7	100	25.6 JT	304 T	130	115 JT	253 T	25.6 JT	304 T	130	115 JT	253 T
Naphthalene	ug/kg	7	4	57.1	17	24	19	17	18	4.3 U	24	12.2	17	18
Phenanthrene	ug/kg	7	7	100	8.3	150	51.5	38	94	8.3	150	51.5	38	94
Pyrene	ug/kg	7	7	100	37	530	214	110	390	37	530	214	110	390
Total PAHs	ug/kg	7	7	100	415 JT	3390 T	1600	1110 JT	2970 T	415 JT	3390 T	1600	1110 JT	2970 T
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg	7	1	14.3	9.6 J	9.6 J	9.6	9.6 J	9.6 J	2.3 U	33 U	6.36	4.2 U	9.6 J
Butylbenzyl phthalate	ug/kg	7	0	0						2.1 U	2.4 U	1.11	1.1 U	1.2 UJ
Dibutyl phthalate	ug/kg	7	1	14.3	4 J	4 J	4	4 J	4 J	3.5 U	4.2 U	2.21	1.95 U	2.1 U
Diethyl phthalate	ug/kg	7	0	0						4.7 U	5.6 U	2.54	2.5 U	2.75 UJ
Dimethyl phthalate	ug/kg	7	0	0						2.5 U	2.9 U	1.32	1.3 U	1.4 UJ
Di-n-octyl phthalate	ug/kg	7	0	0						1.7 U	2 U	0.9	0.9 U	0.95 UJ
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	ug/kg	7	0	0						0.57 U	2.4 UJ	0.984	1.05 U	1.15 U
1,2-Dichlorobenzene	ug/kg	7	0	0						0.12 U	2.1 UJ	0.823	0.9 U	1 U
1,3-Dichlorobenzene	ug/kg	7	0	0						0.18 U	2.5 UJ	0.999	1.1 U	1.2 U
1,4-Dichlorobenzene	ug/kg	7	0	0						0.19 U	3 UJ	1.19	1.3 U	1.45 U
2,4-Dinitrotoluene	ug/kg	7	0	0						3.8 U	4.5 U	2.05	2 U	2.2 UJ
2,6-Dinitrotoluene	ug/kg	7	0	0						3.8 U	4.5 U	2.05	2 U	2.2 UJ
2-Chloronaphthalene	ug/kg	7	0	0						4.9 U	5.8 U	2.62	2.6 U	2.8 UJ
2-Nitroaniline	ug/kg	7	0	0						3.7 U	4.3 U	1.96	1.95 U	2.1 UJ
3,3'-Dichlorobenzidine	ug/kg	7	0	0						5 U	5.9 U	2.69	2.65 U	2.9 UJ
3-Nitroaniline	ug/kg	7	0	0						3.5 U	4.2 U	1.91	1.9 U	2.05 UJ
4-Bromophenyl phenyl ether	ug/kg	7	0	0						1.9 U	2.3 U	1.04	1 U	1.1 UJ
4-Chloroaniline	ug/kg	7	0	0						2.9 U	3.4 U	1.54	1.5 U	1.65 UJ
4-Chlorophenyl phenyl ether	ug/kg	7	0	0						2.7 U	3.2 U	1.47	1.45 U	1.6 UJ
4-Nitroaniline	ug/kg	7	0	0						4.6 U	5.5 U	2.49	2.45 U	2.65 UJ
Aniline	ug/kg	7	1	14.3	83	83	83	83	83	2.1 U	83	12.8	1.15 U	1.2 U
Azobenzene	ug/kg	7	0	0						3.3 U	3.9 U	1.76	1.75 U	1.9 UJ
Benzoic acid	ug/kg	7	0	0						130 U	160 U	72.1	70 U	75 UJ
Benzyl alcohol	ug/kg	7	0	0						5 U	5.9 U	2.69	2.65 U	2.9 UJ
Bis(2-chloroethoxy) methane	ug/kg	7	0	0						1.8 U	2.1 U	0.964	0.95 U	1.05 UJ
Bis(2-chloroethyl) ether	ug/kg	7	0	0						3.3 U	3.9 U	1.76	1.75 U	1.9 UJ
Bis(2-chloroisopropyl) ether	ug/kg	7	0	0						1.7 U	2 U	0.9	0.9 U	0.95 UJ
Carbazole	ug/kg	7	2	28.6	4.3 J	4.4 J	4.35	4.3 J	4.3 J	1.8 U	4.4 J	1.91	0.95 U	4.3 J
Dibenzofuran	ug/kg	7	7	100	0.32 J	2.2	1.12	1.2 J	1.5 J	0.32 J	2.2	1.12	1.2 J	1.5 J
Hexachlorobenzene	ug/kg	7	3	42.9	0.122 JT	0.871 J	0.468	0.412 J	0.412 J	0.0187 U	2.9 U	0.618	0.412 J	1.45 U
Hexachlorobutadiene	ug/kg	7	0	0						0.00624 UJT	0.037 UJ	0.0159	0.0179 U	0.01815 UJT
Hexachlorocyclopentadiene	ug/kg	7	0	0						21 U	24 U	11.1	11 U	12 UJ
Hexachloroethane	ug/kg	7	0	0						0.0526 UJ	3.3 U	0.539	0.02735 UJ	1.6 UT
Isophorone	ug/kg	7	0	0						2.2 U	2.6 U	1.17	1.15 U	1.25 UJ
Nitrobenzene	ug/kg	7	0	0						2.7 U	3.2 U	1.47	1.45 U	1.6 UJ
N-Nitrosodimethylamine	ug/kg	7	0	0						8.2 UJ	9.8 U	4.43	4.4 U	4.75 UJ
N-Nitrosodiphenylamine	ug/kg	7	0	0						3 U	3.6 U	1.61	1.6 U	1.75 UJ
N-Nitrosodipropylamine	ug/kg	7	0	0						4.3 U	5.1 U	2.33	2.3 U	2.5 UJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg	7	0	0						0.62 U	0.91 U	0.389	0.395 U	0.43 U
2,3,4,6;2,3,5,6-Tetrachlorophenol coelution	ug/kg	6	0	0						0.49 U	0.6 U	0.264	0.245 U	0.28 U
2,3,5,6-Tetrachlorophenol	ug/kg	1	0	0						0.67 U	0.67 U	0.335	0.335 U	0.335 U
2,4,5-Trichlorophenol	ug/kg	7	0	0						0.39 U	1.5 U	0.29	0.215 U	0.24 U
2,4,6-Trichlorophenol	ug/kg	7	0	0						0.36 U	0.62 U	0.254	0.245 U	0.28 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
2,4-Dichlorophenol	ug/kg	7	0	0						2.5 U	2.9 U	1.32	1.3 U	1.4 UJ
2,4-Dimethylphenol	ug/kg	7	0	0						7.4 U	8.8 U	3.99	3.95 U	4.3 UJ
2,4-Dinitrophenol	ug/kg	7	0	0						49 U	58 U	26.2	26 U	28 UJ
2-Chlorophenol	ug/kg	7	0	0						2.3 U	2.8 U	1.26	1.25 U	1.35 UJ
2-Methylphenol	ug/kg	7	0	0						4.6 U	5.5 U	2.49	2.45 U	2.65 UJ
2-Nitrophenol	ug/kg	7	0	0						3.5 U	4.2 U	1.91	1.9 U	2.05 UJ
4,6-Dinitro-2-methylphenol	ug/kg	7	0	0						2.3 U	2.8 U	1.26	1.25 U	1.35 UJ
4-Chloro-3-methylphenol	ug/kg	7	0	0						2.9 U	3.4 U	1.54	1.5 U	1.65 UJ
4-Methylphenol	ug/kg	7	0	0						3.9 U	4.7 U	2.12	2.1 U	2.3 UJ
4-Nitrophenol	ug/kg	7	0	0						0.36 UJ	47 UJ	18.5	20.5 U	22.5 U
Pentachlorophenol	ug/kg	7	0	0						0.53 U	0.67 UJ	0.295	0.29 U	0.33 U
Phenol	ug/kg	7	5	71.4	3.4 J	12 J	6.56	5.2 J	8.7 J	2.6 U	12 J	5.07	3.5 J	8.7 J
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	ug/kg	1	0	0						0.049 U	0.049 U	0.0245	0.0245 U	0.0245 U
1,1,1-Trichloroethane	ug/kg	1	0	0						0.094 U	0.094 U	0.047	0.047 U	0.047 U
1,1,2,2-Tetrachloroethane	ug/kg	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
1,1,2-Trichloroethane	ug/kg	1	0	0						0.094 U	0.094 U	0.047	0.047 U	0.047 U
1,1-Dichloroethane	ug/kg	1	0	0						0.091 U	0.091 U	0.0455	0.0455 U	0.0455 U
1,1-Dichloroethene	ug/kg	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
1,2,3-Trichloropropane	ug/kg	1	0	0						0.18 U	0.18 U	0.09	0.09 U	0.09 U
1,2-Dichloroethane	ug/kg	1	0	0						0.049 U	0.049 U	0.0245	0.0245 U	0.0245 U
1,2-Dichloropropane	ug/kg	1	0	0						0.056 U	0.056 U	0.028	0.028 U	0.028 U
1,4-Dichloro-trans-2-butene	ug/kg	1	0	0						0.81 UJ	0.81 UJ	0.405	0.405 UJ	0.405 UJ
2-Chloroethyl vinyl ether	ug/kg	1	0	0						0.24 UJ	0.24 UJ	0.12	0.12 UJ	0.12 UJ
Acetone	ug/kg	1	1	100	160	160	160	160	160	160	160	160	160	160
Acrylonitrile	ug/kg	1	0	0						0.37 UJ	0.37 UJ	0.185	0.185 UJ	0.185 UJ
Benzene	ug/kg	1	0	0						0.062 U	0.062 U	0.031	0.031 U	0.031 U
Bromochloromethane	ug/kg	1	0	0						0.095 U	0.095 U	0.0475	0.0475 U	0.0475 U
Bromodichloromethane	ug/kg	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Bromoform	ug/kg	1	0	0						0.073 U	0.073 U	0.0365	0.0365 U	0.0365 U
Bromomethane	ug/kg	1	0	0						0.59 U	0.59 U	0.295	0.295 U	0.295 U
BTEX	ug/kg	1	0	0						0.24 UT	0.24 UT	0.12	0.12 UT	0.12 UT
Carbon disulfide	ug/kg	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
Carbon tetrachloride	ug/kg	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
Chlorobenzene	ug/kg	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
Chlorodibromomethane	ug/kg	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Chloroethane	ug/kg	1	0	0						0.45 U	0.45 U	0.225	0.225 U	0.225 U
Chloroform	ug/kg	1	0	0						0.089 U	0.089 U	0.0445	0.0445 U	0.0445 U
Chloromethane	ug/kg	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
cis-1,2-Dichloroethene	ug/kg	1	0	0						0.098 U	0.098 U	0.049	0.049 U	0.049 U
cis-1,3-Dichloropropene	ug/kg	1	0	0						0.049 U	0.049 U	0.0245	0.0245 U	0.0245 U
Dichlorodifluoromethane	ug/kg	1	1	100	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
Ethylbenzene	ug/kg	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
Ethylene dibromide	ug/kg	1	0	0						0.081 U	0.081 U	0.0405	0.0405 U	0.0405 U
Isopropylbenzene	ug/kg	1	0	0						0.07 U	0.07 U	0.035	0.035 U	0.035 U
m,p-Xylene	ug/kg	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
Methyl iodide	ug/kg	1	0	0						1.1 UJ	1.1 UJ	0.55	0.55 UJ	0.55 UJ
Methyl isobutyl ketone	ug/kg	1	0	0						0.38 U	0.38 U	0.19	0.19 U	0.19 U
Methyl n-butyl ketone	ug/kg	1	0	0						1.1 U	1.1 U	0.55	0.55 U	0.55 U
Methyl tert-butyl ether	ug/kg	1	0	0						0.062 U	0.062 U	0.031	0.031 U	0.031 U
Methylene bromide	ug/kg	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
Methylene chloride	ug/kg	1	0	0						0.46 U	0.46 U	0.23	0.23 U	0.23 U
o-Xylene	ug/kg	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
Styrene	ug/kg	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U

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Table C1-10. Summary Statistics for All Analytes, Surface Sediment, Multnomah Channel.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**#**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median (half DL)[a]**	**95th (half DL)[a]**
Tetrachloroethene	ug/kg	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
Toluene	ug/kg	1	0	0						0.24 U	0.24 U	0.12	0.12 U	0.12 U
trans-1,2-Dichloroethene	ug/kg	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
trans-1,3-Dichloropropene	ug/kg	1	0	0						0.07 U	0.07 U	0.035	0.035 U	0.035 U
Trichloroethene	ug/kg	1	0	0						0.098 U	0.098 U	0.049	0.049 U	0.049 U
Trichlorofluoromethane	ug/kg	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
Vinyl chloride	ug/kg	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
Xylene	ug/kg	1	0	0						0.21 UT	0.21 UT	0.105	0.105 UT	0.105 UT
Petroleum														
Diesel Range Hydrocarbons	mg/kg	1	1	100	37 J	37 J	37	37 J	37 J	37 J	37 J	37	37 J	37 J
Gasoline Range Hydrocarbons	mg/kg	1	0	0						1.6 UT	1.6 UT	0.8	0.8 UT	0.8 UT
Residual Range Hydrocarbons	mg/kg	1	1	100	150 J	150 J	150	150 J	150 J	150 J	150 J	150	150 J	150 J
Total Petroleum Hydrocarbons	mg/kg	1	1	100	187 JT	187 JT	187	187 JT	187 JT	187 JT	187 JT	187	187 JT	187 JT

Notes:

[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
* - In cases where samples were not analyzed for 2,4'-DDx compounds, the 4,4 isomer results may used in this report as a surrogate for the sum of 2,4 and 4,4 DDx concentrations.
B - Analyte detected in method blank.
E - Estimated.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
X - Recovery less than 10%.
Z - Fingerprint does not resemble petroleum product.

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Conventionals															
Alkalinity	mg/l	WLCRPI04OF22B	2	2	100	200	208	204	200	200	200	208	204	200	200
Alkalinity	mg/l	WLCRPI04OF22C	4	4	100	21.2	360	145	77.8	122	21.2	360	145	77.8	122
Chloride	mg/l	WLCRPI04OF22B	2	2	100	70.9	151	111	70.9	70.9	70.9	151	111	70.9	70.9
Chloride	mg/l	WLCRPI04OF22C	4	4	100	5.03	30.8	14	9.32	11	5.03	30.8	14	9.32	11
Conductivity	uS/cm	WLCRPI04OF22C	1	1	100	235	235	235	235	235	235	235	235	235	235
Dissolved organic carbon	mg/l	WLCRPI04OF22C	2	2	100	5.45	5.86	5.66	5.45	5.45	5.45	5.86	5.66	5.45	5.45
Hardness as CaCO3	mg/l	WLCRPI04OF22B	2	2	100	104	160	132	104	104	104	160	132	104	104
Hardness as CaCO3	mg/l	WLCRPI04OF22C	4	4	100	39.1	290	129	77.7	110	39.1	290	129	77.7	110
Nitrate	mg/l	WLCRPI04OF22B	2	0	0						0.0173 U	0.1 U	0.0293	0.00865 U	0.00865 U
Nitrate	mg/l	WLCRPI04OF22C	4	3	75	0.35	3.22	1.49	0.9	0.9	0.1 U	3.22	1.13	0.35	0.9
Nitrite	mg/l	WLCRPI04OF22B	2	0	0						0.0146 U	0.1 U	0.0287	0.0073 U	0.0073 U
Nitrite	mg/l	WLCRPI04OF22C	4	0	0						0.0138 U	0.1 U	0.0178	0.0069 U	0.0073 U
Oxidation-Reduction Potential	mv	WLCRPI04OF22C	1	1	100	198.6	198.6	199	198.6	198.6	198.6	198.6	199	198.6	198.6
Oxygen	mg/l	WLCRPI04OF22C	1	1	100	10.01	10.01	10	10.01	10.01	10.01	10.01	10	10.01	10.01
pH	pH units	WLCRPI04OF22B	2	2	100	6.9	7.32	7.11	6.9	6.9	6.9	7.32	7.11	6.9	6.9
pH	pH units	WLCRPI04OF22C	4	4	100	6.74	7.19	6.98	6.92	7.05	6.74	7.19	6.98	6.92	7.05
Phosphate	mg/l	WLCRPI04OF22B	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Phosphate	mg/l	WLCRPI04OF22C	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Phosphorus	mg/l	WLCRPI04OF22B	1	1	100	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669
Phosphorus	mg/l	WLCRPI04OF22C	2	2	100	0.00433	0.0525	0.0284	0.00433	0.00433	0.00433	0.0525	0.0284	0.00433	0.00433
Silica	mg/l	WLCRPI04OF22B	1	1	100	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
Silica	mg/l	WLCRPI04OF22C	1	1	100	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
Sulfate	mg/l	WLCRPI04OF22B	2	2	100	29.2	43.2	36.2	29.2	29.2	29.2	43.2	36.2	29.2	29.2
Sulfate	mg/l	WLCRPI04OF22C	4	4	100	3.62	11.3	6.84	4.71	7.72	3.62	11.3	6.84	4.71	7.72
Temperature	deg C	WLCRPI04OF22C	1	1	100	11.34	11.34	11.3	11.34	11.34	11.34	11.34	11.3	11.34	11.34
Total suspended solids	mg/l	WLCRPI04OF22B	2	2	100	17	39	28	17	17	17	39	28	17	17
Total suspended solids	mg/l	WLCRPI04OF22C	4	4	100	3	47	16.5	4	12	3	47	16.5	4	12
Turbidity	ntu	WLCRPI04OF22C	2	2	100	12.8	18.7	15.8	12.8	12.8	12.8	18.7	15.8	12.8	12.8
Metals															
Aluminum	mg/l	WLCRPI04OF22B	1	1	100	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171
Aluminum	mg/l	WLCRPI04OF22C	2	2	100	0.024	0.365	0.195	0.024	0.024	0.024	0.365	0.195	0.024	0.024
Aluminum	mg/l	WLCRPI04OF22C	3	2	66.7	0.268	1.18	0.724	0.268	0.268	0.009 U	1.18	0.484	0.268	0.268
Antimony	mg/l	WLCRPI04OF22B	1	1	100	0.00101	0.00101	0.00101	0.00101	0.00101	0.00101	0.00101	0.00101	0.00101	0.00101
Antimony	mg/l	WLCRPI04OF22C	2	1	50	0.00054	0.00054	0.00054	0.00054	0.00054	0.00043 U	0.00054	0.000378	0.000215 U	0.000215 U
Antimony	mg/l	WLCRPI04OF22C	3	1	33.3	0.00047	0.00047	0.00047	0.00047	0.00047	0.000126 U	0.00047	0.000243	0.000196 U	0.000196 U
Arsenic	mg/l	WLCRPI04OF22B	1	1	100	0.00549	0.00549	0.00549	0.00549	0.00549	0.00549	0.00549	0.00549	0.00549	0.00549
Arsenic	mg/l	WLCRPI04OF22B	2	2	100	0.00576 J	0.0081 J	0.00693	0.00576 J	0.00576 J	0.00576 J	0.0081 J	0.00693	0.00576 J	0.00576 J
Arsenic	mg/l	WLCRPI04OF22C	2	0	0						0.000964 U	0.000964 U	0.000482	0.000482 U	0.000482 U
Arsenic	mg/l	WLCRPI04OF22C	4	1	25	0.00114 J	0.00114 J	0.00114	0.00114 J	0.00114 J	0.000964 U	0.00114 J	0.000651	0.000482 U	0.0005 U
Barium	mg/l	WLCRPI04OF22B	1	1	100	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447
Barium	mg/l	WLCRPI04OF22C	2	2	100	0.0167	0.0297	0.0232	0.0167	0.0167	0.0167	0.0297	0.0232	0.0167	0.0167
Barium	mg/l	WLCRPI04OF22C	3	3	100	0.0218	0.0569	0.0379	0.035	0.035	0.0218	0.0569	0.0379	0.035	0.035
Beryllium	mg/l	WLCRPI04OF22B	1	0	0						0.0002 U	0.0002 U	0.0001	0.0001 U	0.0001 U
Beryllium	mg/l	WLCRPI04OF22C	2	0	0						0.000079 U	0.000079 U	0.0000395	0.0000395 U	0.0000395 U
Beryllium	mg/l	WLCRPI04OF22C	3	0	0						0.000079 U	0.0002 U	0.0000597	0.0000395 U	0.0000395 U
Boron	mg/l	WLCRPI04OF22B	1	1	100	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
Boron	mg/l	WLCRPI04OF22C	2	2	100	0.0147	0.0309	0.0228	0.0147	0.0147	0.0147	0.0309	0.0228	0.0147	0.0147
Boron	mg/l	WLCRPI04OF22C	3	3	100	0.0198	0.0737	0.0404	0.0278	0.0278	0.0198	0.0737	0.0404	0.0278	0.0278
Cadmium	mg/l	WLCRPI04OF22B	1	0	0						0.000138 U	0.000138 U	0.000069	0.000069 U	0.000069 U
Cadmium	mg/l	WLCRPI04OF22B	2	1	50	0.000122	0.000122	0.000122	0.000122	0.000122	0.000122	0.000138 U	0.0000955	0.000069 U	0.000069 U
Cadmium	mg/l	WLCRPI04OF22C	2	0	0						0.000073 U	0.000073 U	0.0000365	0.0000365 U	0.0000365 U
Cadmium	mg/l	WLCRPI04OF22C	4	0	0						0.0000071 U	0.000138 U	0.0000364	0.0000365 U	0.0000365 U
Calcium	mg/l	WLCRPI04OF22B	1	1	100	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
Calcium	mg/l	WLCRPI04OF22C	2	2	100	10.2	22.5	16.4	10.2	10.2	10.2	22.5	16.4	10.2	10.2
Calcium	mg/l	WLCRPI04OF22C	3	3	100	9.95	70.8	33.4	19.3	19.3	9.95	70.8	33.4	19.3	19.3
Chromium hexavalent	mg/l	WLCRPI04OF22B	1	0	0						0.00455 U	0.00455 U	0.00228	0.002275 U	0.002275 U
Chromium	mg/l	WLCRPI04OF22B	1	0	0						0.00072 U	0.00072 U	0.00036	0.00036 U	0.00036 U
Chromium	mg/l	WLCRPI04OF22B	2	1	50	0.00122 J	0.00122 J	0.00122	0.00122 J	0.00122 J	0.00122 J	0.00131 U	0.000938	0.000655 U	0.000655 U
Chromium	mg/l	WLCRPI04OF22C	2	1	50	0.00125	0.00125	0.00125	0.00125	0.00125	0.000791 U	0.00125	0.000823	0.0003955 U	0.0003955 U
Chromium	mg/l	WLCRPI04OF22C	4	2	50	0.00097	0.00339	0.00218	0.00097	0.00097	0.0000354 U	0.00339	0.00118	0.00036 U	0.00097
Cobalt	mg/l	WLCRPI04OF22B	1	0	0						0.0005 U	0.0005 U	0.00025	0.00025 U	0.00025 U
Cobalt	mg/l	WLCRPI04OF22C	2	1	50	0.00084	0.00084	0.00084	0.00084	0.00084	0.00084	0.0055 U	0.0018	0.00084	0.00084
Cobalt	mg/l	WLCRPI04OF22C	3	3	100	0.00042	0.00274	0.00125	0.00059	0.00059	0.00042	0.00274	0.00125	0.00059	0.00059
Copper	mg/l	WLCRPI04OF22B	1	0	0						0.000788 U	0.000788 U	0.000394	0.000394 U	0.000394 U
Copper	mg/l	WLCRPI04OF22B	2	2	100	0.00207	0.0116	0.00684	0.00207	0.00207	0.00207	0.0116	0.00684	0.00207	0.00207
Copper	mg/l	WLCRPI04OF22C	2	2	100	0.00179	0.00258	0.00219	0.00179	0.00179	0.00179	0.00258	0.00219	0.00179	0.00179

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Copper	mg/l	WLCRPI04OF22C	4	4	100	0.00081	0.045	0.013	0.00276	0.00329	0.00081	0.045	0.013	0.00276	0.00329
Iron	mg/l	WLCRPI04OF22B	1	1	100	16	16	16	16	16	16	16	16	16	16
Iron	mg/l	WLCRPI04OF22C	2	2	100	0.604	5.77	3.19	0.604	0.604	0.604	5.77	3.19	0.604	0.604
Iron	mg/l	WLCRPI04OF22C	3	3	100	1.59	19.1	9.01	6.34	6.34	1.59	19.1	9.01	6.34	6.34
Lead	mg/l	WLCRPI04OF22B	1	0	0						0.000224 U	0.000224 U	0.000112	0.000112 U	0.000112 U
Lead	mg/l	WLCRPI04OF22B	2	2	100	0.00297	0.00508	0.00403	0.00297	0.00297	0.00297	0.00508	0.00403	0.00297	0.00297
Lead	mg/l	WLCRPI04OF22C	2	2	100	0.00018	0.00045	0.000315	0.00018	0.00018	0.00018	0.00045	0.000315	0.00018	0.00018
Lead	mg/l	WLCRPI04OF22C	4	2	50	0.00063	0.00169	0.00116	0.00063	0.00063	0.000082 U	0.00169	0.000618	0.000112 U	0.00063
Magnesium	mg/l	WLCRPI04OF22B	1	1	100	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Magnesium	mg/l	WLCRPI04OF22C	2	2	100	3.59	8.32	5.96	3.59	3.59	3.59	8.32	5.96	3.59	3.59
Magnesium	mg/l	WLCRPI04OF22C	3	3	100	3.46	26.7	12.4	7.18	7.18	3.46	26.7	12.4	7.18	7.18
Manganese	mg/l	WLCRPI04OF22B	1	1	100	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
Manganese	mg/l	WLCRPI04OF22C	2	2	100	0.0444	0.644	0.344	0.0444	0.0444	0.0444	0.644	0.344	0.0444	0.0444
Manganese	mg/l	WLCRPI04OF22C	3	3	100	0.0447	3.47	1.38	0.635	0.635	0.0447	3.47	1.38	0.635	0.635
Mercury	mg/l	WLCRPI04OF22B	1	0	0						1.07E-06 U	1.07E-06 U	5.35E-07	5.35E-07 U	5.35E-07 U
Mercury	mg/l	WLCRPI04OF22B	2	1	50	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	0.000131 U	0.0000359	0.00000632	0.00000632
Mercury	mg/l	WLCRPI04OF22C	2	1	50	0.0000075	0.0000075	0.0000075	0.0000075	0.0000075	3.75E-06 U	0.0000075	0.00000469	1.875E-06 U	1.875E-06 U
Mercury	mg/l	WLCRPI04OF22C	4	1	25	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000131 U	0.0000268	0.000005 U	0.0000315 U
Molybdenum	mg/l	WLCRPI04OF22B	1	1	100	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
Molybdenum	mg/l	WLCRPI04OF22C	2	1	50	0.00112	0.00112	0.00112	0.00112	0.00112	0.00112	0.00224 U	0.00112	0.00112	0.00112
Molybdenum	mg/l	WLCRPI04OF22C	3	3	100	0.00105	0.0136	0.00563	0.00225	0.00225	0.00105	0.0136	0.00563	0.00225	0.00225
Nickel	mg/l	WLCRPI04OF22B	1	1	100	0.00244	0.00244	0.00244	0.00244	0.00244	0.00244	0.00244	0.00244	0.00244	0.00244
Nickel	mg/l	WLCRPI04OF22B	2	2	100	0.0022 J	0.00262	0.00241	0.0022 J	0.0022 J	0.0022 J	0.00262	0.00241	0.0022 J	0.0022 J
Nickel	mg/l	WLCRPI04OF22C	2	2	100	0.0014	0.00156	0.00148	0.0014	0.0014	0.0014	0.00156	0.00148	0.0014	0.0014
Nickel	mg/l	WLCRPI04OF22C	4	4	100	0.00106 J	0.00223	0.00166	0.00164	0.0017	0.00106 J	0.00223	0.00166	0.00164	0.0017
Potassium	mg/l	WLCRPI04OF22B	1	1	100	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71
Potassium	mg/l	WLCRPI04OF22C	2	1	50	5.42	5.42	5.42	5.42	5.42	5.42	5.77 U	4.15	2.885 U	2.885 U
Potassium	mg/l	WLCRPI04OF22C	3	3	100	3.03	4.77	3.91	3.94 J	3.94 J	3.03	4.77	3.91	3.94 J	3.94 J
Selenium	mg/l	WLCRPI04OF22B	1	0	0						0.0038 U	0.0038 U	0.0019	0.0019 U	0.0019 U
Selenium	mg/l	WLCRPI04OF22C	2	1	50	0.00124	0.00124	0.00124	0.00124	0.00124	0.000566 U	0.00124	0.000762	0.000283 U	0.000283 U
Selenium	mg/l	WLCRPI04OF22C	3	1	33.3	0.00408	0.00408	0.00408	0.00408	0.00408	0.000566 U	0.00408	0.00155	0.000283 U	0.000283 U
Silicon	mg/l	WLCRPI04OF22C	2	2	100	10	12	11	10	10	10	12	11	10	10
Silicon	mg/l	WLCRPI04OF22C	2	2	100	11	12	11.5	11	11	11	12	11.5	11	11
Silver	mg/l	WLCRPI04OF22B	1	0	0						0.0008 U	0.0008 U	0.0004	0.0004 U	0.0004 U
Silver	mg/l	WLCRPI04OF22C	2	0	0						0.000046 U	0.000046 U	0.000023	0.000023 U	0.000023 U
Silver	mg/l	WLCRPI04OF22C	3	1	33.3	0.00118	0.00118	0.00118	0.00118	0.00118	0.000046 U	0.00118	0.000409	0.000023 U	0.000023 U
Sodium	mg/l	WLCRPI04OF22B	1	1	100	141	141	141	141	141	141	141	141	141	141
Sodium	mg/l	WLCRPI04OF22C	2	2	100	6.39	11.4	8.9	6.39	6.39	6.39	11.4	8.9	6.39	6.39
Sodium	mg/l	WLCRPI04OF22C	3	3	100	6.17	36.1	17.4	9.99	9.99	6.17	36.1	17.4	9.99	9.99
Thallium	mg/l	WLCRPI04OF22B	1	0	0						0.0267 U	0.0267 U	0.0134	0.01335 U	0.01335 U
Thallium	mg/l	WLCRPI04OF22C	2	0	0						0.000031 U	0.000031 U	0.0000155	0.0000155 U	0.0000155 U
Thallium	mg/l	WLCRPI04OF22C	3	0	0						0.000031 U	0.0267 U	0.00446	0.0000155 U	0.0000155 U
Vanadium	mg/l	WLCRPI04OF22B	1	1	100	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
Vanadium	mg/l	WLCRPI04OF22B	2	2	100	0.00616 J	0.00889 J	0.00753	0.00616 J	0.00616 J	0.00616 J	0.00889 J	0.00753	0.00616 J	0.00616 J
Vanadium	mg/l	WLCRPI04OF22C	2	2	100	0.00079	0.00245	0.00162	0.00079	0.00079	0.00079	0.00245	0.00162	0.00079	0.00079
Vanadium	mg/l	WLCRPI04OF22C	4	3	75	0.00075 J	0.00414	0.00207	0.00131	0.00131	0.000726 U	0.00414	0.00164	0.00075 J	0.00131
Zinc	mg/l	WLCRPI04OF22B	1	1	100	0.00234	0.00234	0.00234	0.00234	0.00234	0.00234	0.00234	0.00234	0.00234	0.00234
Zinc	mg/l	WLCRPI04OF22B	2	2	100	0.00682 J	0.0249	0.0159	0.00682 J	0.00682 J	0.00682 J	0.0249	0.0159	0.00682 J	0.00682 J
Zinc	mg/l	WLCRPI04OF22C	2	1	50	0.00521	0.00521	0.00521	0.00521	0.00521	0.00521	0.0119 U	0.00558	0.00521	0.00521
Zinc	mg/l	WLCRPI04OF22C	4	3	75	0.00287 J	0.0139	0.00788	0.00687	0.00687	0.00287 J	0.0139	0.00687	0.00382 U	0.00687
PCB Aroclors															
Aroclor 1016	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Aroclor 1221	ug/l	WLCRPI04OF22B	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Aroclor 1232	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Aroclor 1242	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Aroclor 1248	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Aroclor 1254	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Aroclor 1260	ug/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Total PCB Aroclors	ug/l	WLCRPI04OF22B	1	0	0						0.5 UT	0.5 UT	0.25	0.25 UT	0.25 UT
Dioxins/Furans															
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						5.2 U	9.6 U	3.7	2.6 U	2.6 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	1	25	6	6	6	6	6	3.4 U	17.6 U	5.33	4.8 U	6
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						11 U	19 U	7.5	5.5 U	5.5 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	2	50	20.5 J	24.1 J	22.3	20.5 J	20.5 J	5.7 U	24.1 J	13.2	5.5 U	20.5 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						7.3 U	7.4 U	3.68	3.65 U	3.65 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						5.1 U	9.1 U	4.02	4.455 U	4.52 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						4.1 U	8.3 U	3.1	2.05 U	2.05 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						1.5 U	13 U	3.47	1.75 U	4.88 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						5.2 U	9.2 U	3.6	2.6 U	2.6 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	0	0						4.1 U	13 U	4.36	4.41 U	4.47 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						3.8 U	7.7 U	2.88	1.9 U	1.9 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						3.4 U	9.9 U	4.02	4.55 U	4.88 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						4.9 U	8.1 U	3.25	2.45 U	2.45 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	0	0						3.8 U	12 U	4.03	4.075 U	4.135 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						4.3 U	9.6 U	3.48	2.15 U	2.15 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						4.1 U	9.9 U	3.99	4.455 U	4.52 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						4.9 U	7.9 U	3.2	2.45 U	2.45 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	0	0						3.8 U	15.4 U	5.68	5.5 U	7.6 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						6.6 U	12 U	4.65	3.3 U	3.3 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						4.45 U	12 U	3.22	2.26 U	2.4 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						9.6 U	12 U	5.4	4.8 U	4.8 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	0	0						7.39 U	12 U	4.47	3.75 U	4.45 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						3.6 U	7.4 U	2.75	1.8 U	1.8 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						3.3 U	9.1 U	3.08	3.035 U	3.075 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						7.2 U	10 U	4.3	3.6 U	3.6 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						3.03 U	12 U	2.91	1.54 U	2.6 U
2,3,7,8-Tetrachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						1.2 U	3.5 U	1.18	0.6 U	0.6 U
2,3,7,8-Tetrachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	0	0						1.2 U	6.06 U	2.07	1.65 U	2.985 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	0	0						3.1 U	5.3 U	2.1	1.55 U	1.55 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	0	0						3.1 U	4.5 U	1.74	1.565 U	1.585 U
Total PCDD/F	pg/l	WLCRPI04OF22B	1	1	100	177 T	177 T	177	177 T	177 T	177 T	177 T	177	177 T	177 T
Total PCDD/F	pg/l	WLCRPI04OF22C	3	2	66.7	186 T	243 JT	215	186 T	186 T	12 UT	243 JT	145	186 T	186 T
Dioxin/furan TCDD toxicity equivalent	pg/l	WLCRPI04OF22B	2	1	50	0.014 T	0.014 T	0.014	0.014 T	0.014 T	0 UT	0.014 T	0.007	0 UT	0 UT
Dioxin/furan TCDD toxicity equivalent	pg/l	WLCRPI04OF22C	4	2	50	0.218 JT	0.319 JT	0.269	0.218 JT	0.218 JT	0 UT	0.319 JT	0.134	0 UT	0.218 JT
Dioxin/Furan Homologs															
Heptachlorodibenzofuran homologs	pg/l	WLCRPI04OF22B	1	0	0						7.3 U	7.3 U	3.65	3.65 U	3.65 U
Heptachlorodibenzofuran homologs	pg/l	WLCRPI04OF22C	3	2	66.7	6	7.5	6.75	6	6	5.1 U	7.5	5.35	6	6
Heptachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22B	1	0	0						19 U	19 U	9.5	9.5 U	9.5 U
Heptachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22C	3	2	66.7	45.5	50.9	48.2	45.5	45.5	5.7 U	50.9	33.1	45.5	45.5
Hexachlorodibenzofuran homologs	pg/l	WLCRPI04OF22B	1	0	0						4.3 U	4.3 U	2.15	2.15 U	2.15 U
Hexachlorodibenzofuran homologs	pg/l	WLCRPI04OF22C	3	1	33.3	4.3	4.3	4.3	4.3	4.3	4.1 U	10.2 U	3.82	4.3	4.3
Hexachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22B	1	0	0						5.2 U	5.2 U	2.6	2.6 U	2.6 U
Hexachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22C	3	0	0						4.1 U	8.27 U	3.42	4.075 U	4.075 U
Octachlorodibenzofuran	pg/l	WLCRPI04OF22B	2	0	0						8.2 U	21 U	7.3	4.1 U	4.1 U
Octachlorodibenzofuran	pg/l	WLCRPI04OF22C	4	1	25	19.1 J	19.1 J	19.1	19.1 J	19.1 J	7.8 U	21 U	10.5	8.6 U	10.5 U
Octachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22B	2	1	50	140	140	140	140	140	36 U	140	79	18 U	18 U
Octachlorodibenzo-p-dioxin	pg/l	WLCRPI04OF22C	4	2	50	129	160	145	129	129	12 U	160	78.3	18 U	129
Pentachlorodibenzofuran homologs	pg/l	WLCRPI04OF22B	1	0	0						7.2 U	7.2 U	3.6	3.6 U	3.6 U
Pentachlorodibenzofuran homologs	pg/l	WLCRPI04OF22C	3	1	33.3	4	4	4	4	4	3.03 U	5.2 U	2.71	2.6 U	2.6 U
Pentachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22B	1	0	0						9.6 U	9.6 U	4.8	4.8 U	4.8 U
Pentachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22C	3	0	0						7.39 U	8.9 U	3.97	3.75 U	3.75 U
Tetrachlorodibenzofuran homologs	pg/l	WLCRPI04OF22B	1	1	100	37	37	37	37	37	37	37	37	37	37
Tetrachlorodibenzofuran homologs	pg/l	WLCRPI04OF22C	3	1	33.3	3.1 J	3.1 J	3.1	3.1 J	3.1 J	3.1 J	5.97 U	2.58	2.985 U	2.985 U
Tetrachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22B	1	0	0						5.3 U	5.3 U	2.65	2.65 U	2.65 U
Tetrachlorodibenzo-p-dioxin homologs	pg/l	WLCRPI04OF22C	3	0	0						3.13 U	4.5 U	1.8	1.585 U	1.585 U
Pesticides															
4,4'-DDD	ug/l	WLCRPI04OF22B	2	0	0						0.00479 U	0.05 U	0.0137	0.002395 U	0.002395 U
4,4'-DDD	ug/l	WLCRPI04OF22C	4	0	0						0.0046 U	0.05 U	0.00898	0.00236 U	0.00625 U
4,4'-DDE	ug/l	WLCRPI04OF22B	2	1	50	0.00904 N	0.00904 N	0.00904	0.00904 N	0.00904 N	0.00904 N	0.05 U	0.017	0.00904 N	0.00904 N
4,4'-DDE	ug/l	WLCRPI04OF22C	4	0	0						0.00381 U	0.05 U	0.00888	0.00236 U	0.00625 U
4,4'-DDT	ug/l	WLCRPI04OF22B	2	0	0						0.00508 U	0.05 U	0.0138	0.00254 U	0.00254 U
4,4'-DDT	ug/l	WLCRPI04OF22C	4	0	0						0.00472 U	0.05 U	0.00901	0.00244 U	0.00625 U
Aldrin	ug/l	WLCRPI04OF22B	2	1	50	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407	0.05 U	0.0145	0.00407	0.00407
Aldrin	ug/l	WLCRPI04OF22C	4	0	0						0.00112 U	0.05 U	0.00854	0.00236 U	0.00625 U
alpha-Endosulfan	ug/l	WLCRPI04OF22B	2	0	0						0.00507 U	0.05 U	0.0138	0.002535 U	0.002535 U
alpha-Endosulfan	ug/l	WLCRPI04OF22C	4	0	0						0.00472 U	0.05 U	0.00901	0.002435 U	0.00625 U
alpha-Hexachlorocyclohexane	ug/l	WLCRPI04OF22B	2	0	0						0.00374 U	0.05 U	0.0134	0.00187 U	0.00187 U
alpha-Hexachlorocyclohexane	ug/l	WLCRPI04OF22C	4	0	0						0.00359 U	0.05 U	0.00885	0.00236 U	0.00625 U
beta-Endosulfan	ug/l	WLCRPI04OF22B	2	0	0						0.00385 U	0.05 U	0.0135	0.001925 U	0.001925 U
beta-Endosulfan	ug/l	WLCRPI04OF22C	4	0	0						0.0037 U	0.05 U	0.00887	0.00236 U	0.00625 U
beta-Hexachlorocyclohexane	ug/l	WLCRPI04OF22B	2	0	0						0.00434 U	0.05 U	0.0136	0.00217 U	0.00217 U
beta-Hexachlorocyclohexane	ug/l	WLCRPI04OF22C	4	0	0						0.00417 U	0.05 U	0.00892	0.00236 U	0.00625 U
Bromoxynil	ug/l	WLCRPI04OF22B	1	0	0						1.26 U	1.26 U	0.63	0.63 U	0.63 U
Bromoxynil	ug/l	WLCRPI04OF22C	3	0	0						0.5 U	1.26 U	0.377	0.25 U	0.25 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Chlordane (cis & trans)	ug/l	WLCRPI04OF22B	1	0	0						0.05 UT	0.05 UT	0.025	0.025 UT	0.025 UT
Chlordane (cis & trans)	ug/l	WLCRPI04OF22C	3	0	0						0.00472 UT	0.05 UT	0.0112	0.00625 UT	0.00625 UT
Chlordane (technical)	ug/l	WLCRPI04OF22B	1	0	0						0.0326 U	0.0326 U	0.0163	0.0163 U	0.0163 U
Chlordane (technical)	ug/l	WLCRPI04OF22C	1	0	0						0.0313 U	0.0313 U	0.0157	0.01565 U	0.01565 U
cis-Chlordane	ug/l	WLCRPI04OF22B	1	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
cis-Chlordane	ug/l	WLCRPI04OF22C	3	0	0						0.00472 U	0.05 U	0.0112	0.00625 U	0.00625 U
delta-Hexachlorocyclohexane	ug/l	WLCRPI04OF22B	2	0	0						0.00239 U	0.05 U	0.0131	0.001195 U	0.001195 U
delta-Hexachlorocyclohexane	ug/l	WLCRPI04OF22C	4	1	25	0.00776	0.00776	0.00776	0.00776	0.00776	0.00776	0.05 U	0.0125	0.00776	0.0125 U
Dieldrin	ug/l	WLCRPI04OF22B	2	0	0						0.00307 U	0.05 U	0.0133	0.001535 U	0.001535 U
Dieldrin	ug/l	WLCRPI04OF22C	4	0	0						0.00295 U	0.05 U	0.00877	0.00236 U	0.00625 U
Endosulfan sulfate	ug/l	WLCRPI04OF22B	2	0	0						0.00547 U	0.05 U	0.0139	0.002735 U	0.002735 U
Endosulfan sulfate	ug/l	WLCRPI04OF22C	4	0	0						0.00472 U	0.05 U	0.00906	0.002625 U	0.00625 U
Endrin aldehyde	ug/l	WLCRPI04OF22B	2	0	0						0.0099 U	0.05 U	0.015	0.00495 U	0.00495 U
Endrin aldehyde	ug/l	WLCRPI04OF22C	4	0	0						0.00472 U	0.05 U	0.00959	0.00475 U	0.00625 U
Endrin ketone	ug/l	WLCRPI04OF22B	2	0	0						0.00351 U	0.05 U	0.0134	0.001755 U	0.001755 U
Endrin ketone	ug/l	WLCRPI04OF22C	4	0	0						0.00337 U	0.05 U	0.00882	0.00236 U	0.00625 U
Endrin	ug/l	WLCRPI04OF22B	2	0	0						0.00315 U	0.05 U	0.0133	0.001575 U	0.001575 U
Endrin	ug/l	WLCRPI04OF22C	4	0	0						0.00302 U	0.05 U	0.00878	0.00236 U	0.00625 U
gamma-Hexachlorocyclohexane	ug/l	WLCRPI04OF22B	2	0	0						0.00732 U	0.05 U	0.0143	0.00366 U	0.00366 U
gamma-Hexachlorocyclohexane	ug/l	WLCRPI04OF22C	4	1	25	0.0143 N	0.0143 N	0.0143	0.0143 N	0.0143 N	0.00472 U	0.05 U	0.012	0.00625 U	0.0143 N
Heptachlor epoxide	ug/l	WLCRPI04OF22B	2	1	50	0.00712 N	0.00712 N	0.00712	0.00712 N	0.00712 N	0.00712 N	0.05 U	0.0161	0.00712 N	0.00712 N
Heptachlor epoxide	ug/l	WLCRPI04OF22C	4	0	0						0.00365 U	0.05 U	0.00886	0.00236 U	0.00625 U
Heptachlor	ug/l	WLCRPI04OF22B	2	0	0						0.00766 U	0.05 U	0.0144	0.00383 U	0.00383 U
Heptachlor	ug/l	WLCRPI04OF22C	4	0	0						0.00736 U	0.05 U	0.0115	0.004715 U	0.0125 U
Methoxychlor	ug/l	WLCRPI04OF22B	2	0	0						0.00546 U	0.05 U	0.0139	0.00273 U	0.00273 U
Methoxychlor	ug/l	WLCRPI04OF22C	4	0	0						0.00472 U	0.05 U	0.00906	0.00262 U	0.00625 U
Total Endosulfan	ug/l	WLCRPI04OF22B	2	0	0						0.00547 UT	0.05 UT	0.0139	0.002735 UT	0.002735 UT
Total Endosulfan	ug/l	WLCRPI04OF22C	4	0	0						0.00472 UT	0.05 UT	0.00906	0.002625 UT	0.00625 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/l	WLCRPI04OF22B	2	1	50	0.00904 T	0.00904 T	0.00904	0.00904 T	0.00904 T	0.00904 T	0.05 UT	0.017	0.00904 T	0.00904 T
Total of 4,4'-DDD, -DDE, -DDT	ug/l	WLCRPI04OF22C	4	0	0						0.00472 UT	0.05 UT	0.00901	0.00244 UT	0.00625 UT
Toxaphene	ug/l	WLCRPI04OF22B	1	0	0						0.119 U	0.119 U	0.0595	0.0595 U	0.0595 U
Toxaphene	ug/l	WLCRPI04OF22C	1	0	0						0.114 U	0.114 U	0.057	0.057 U	0.057 U
trans-Chlordane	ug/l	WLCRPI04OF22B	1	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
trans-Chlordane	ug/l	WLCRPI04OF22C	3	0	0						0.00472 U	0.05 U	0.0112	0.00625 U	0.00625 U
Herbicides															
2,4,5-T	ug/l	WLCRPI04OF22B	2	1	50	0.305 N	0.305 N	0.305	0.305 N	0.305 N	0.305 N	1.39 U	0.5	0.305 N	0.305 N
2,4,5-T	ug/l	WLCRPI04OF22C	4	0	0						0.0574 U	1.39 U	0.306	0.25 U	0.25 U
2,4-D	ug/l	WLCRPI04OF22B	2	1	50	0.591	0.591	0.591	0.591	0.591	0.591	1.31 U	0.623	0.591	0.591
2,4-D	ug/l	WLCRPI04OF22C	4	0	0						0.0452 U	1.31 U	0.294	0.25 U	0.25 U
2,4-DB	ug/l	WLCRPI04OF22B	2	1	50	0.433	0.433	0.433	0.433	0.433	0.433	1.9 U	0.692	0.433	0.433
2,4-DB	ug/l	WLCRPI04OF22C	4	0	0						0.052 U	2 U	0.744	0.95 U	1 U
Dalapon	ug/l	WLCRPI04OF22B	2	0	0						0.0583 U	1.1 U	0.29	0.02915 U	0.02915 U
Dalapon	ug/l	WLCRPI04OF22C	4	0	0						0.0568 U	5 U	1.39	0.55 U	2.5 U
Dicamba	ug/l	WLCRPI04OF22B	2	1	50	1.51	1.51	1.51	1.51	1.51	0.048 U	1.51	0.767	0.024 U	0.024 U
Dicamba	ug/l	WLCRPI04OF22C	4	1	25	0.585	0.585	0.585	0.585	0.585	0.0468 U	1.01 U	0.341	0.25 U	0.505 U
Dichloroprop	ug/l	WLCRPI04OF22B	2	0	0						0.0198 U	1.16 U	0.295	0.0099 U	0.0099 U
Dichloroprop	ug/l	WLCRPI04OF22C	4	0	0						0.0193 U	1.16 U	0.272	0.25 U	0.25 U
Dinoseb	ug/l	WLCRPI04OF22B	2	0	0						0.0569 U	1.54 U	0.399	0.02845 U	0.02845 U
Dinoseb	ug/l	WLCRPI04OF22C	4	0	0						0.0555 U	1.54 U	0.449	0.5 U	0.5 U
MCPA	ug/l	WLCRPI04OF22B	2	1	50	0.157	0.157	0.157	0.157	0.157	0.157	127 U	31.8	0.157	0.157
MCPA	ug/l	WLCRPI04OF22C	4	0	0						0.0265 U	127 U	40.9	50 U	50 U
MCPP	ug/l	WLCRPI04OF22B	2	1	50	0.689	0.689	0.689	0.689	0.689	0.689	111 U	28.1	0.689	0.689
MCPP	ug/l	WLCRPI04OF22C	4	1	25	0.163	0.163	0.163	0.163	0.163	0.163	111 U	38.9	50 U	50 U
Silvex	ug/l	WLCRPI04OF22B	2	0	0						0.0198 U	1.24 U	0.315	0.0099 U	0.0099 U
Silvex	ug/l	WLCRPI04OF22C	4	0	0						0.0193 U	1.24 U	0.282	0.25 U	0.25 U
Polycyclic Aromatic Hydrocarbons															
1-Methylnaphthalene	ug/l	WLCRPI04OF22B	1	0	0						3 U	3 U	1.5	1.5 U	1.5 U
1-Methylnaphthalene	ug/l	WLCRPI04OF22C	2	0	0						3 U	3 U	1.5	1.5 U	1.5 U
2-Methylnaphthalene	ug/l	WLCRPI04OF22B	2	1	50	0.243	0.243	0.243	0.243	0.243	0.243	3 U	0.872	0.243	0.243
2-Methylnaphthalene	ug/l	WLCRPI04OF22C	3	0	0						0.144 U	3 U	1.02	1.5 U	1.5 U
Acenaphthene	ug/l	WLCRPI04OF22B	2	2	100	0.225	0.345 J	0.285	0.225	0.225	0.225	0.345 J	0.285	0.225	0.225
Acenaphthene	ug/l	WLCRPI04OF22C	4	4	100	0.228	32.5 J	14.6	8.51	17	0.228	32.5 J	14.6	8.51	17
Acenaphthylene	ug/l	WLCRPI04OF22B	2	0	0						0.0149 U	0.05 U	0.0162	0.00745 U	0.00745 U
Acenaphthylene	ug/l	WLCRPI04OF22C	4	2	50	0.182 J	0.256	0.219	0.182 J	0.182 J	0.05 U	0.256	0.122	0.025 U	0.182 J
Anthracene	ug/l	WLCRPI04OF22B	2	0	0						0.0149 U	0.05 U	0.0162	0.00745 U	0.00745 U
Anthracene	ug/l	WLCRPI04OF22C	4	3	75	0.125	0.456	0.293	0.298 J	0.298 J	0.05 U	0.456	0.226	0.125	0.298 J
Benzo(a)anthracene	ug/l	WLCRPI04OF22B	2	0	0						0.0436 U	0.05 U	0.0234	0.0218 U	0.0218 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Benzo(a)anthracene	ug/l	WLCRPI04OF22C	4	0	0						0.0422 U	0.05 U	0.024	0.025 U	0.025 U
Benzo(a)pyrene	ug/l	WLCRPI04OF22B	2	0	0						0.0465 U	0.05 U	0.0241	0.02325 U	0.02325 U
Benzo(a)pyrene	ug/l	WLCRPI04OF22C	4	0	0						0.0451 U	0.05 U	0.0244	0.025 U	0.025 U
Benzo(b)fluoranthene	ug/l	WLCRPI04OF22B	1	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
Benzo(b)fluoranthene	ug/l	WLCRPI04OF22C	3	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
Benzo(b+k)fluoranthene	ug/l	WLCRPI04OF22B	1	0	0						0.05 UT	0.05 UT	0.025	0.025 UT	0.025 UT
Benzo(b+k)fluoranthene	ug/l	WLCRPI04OF22C	3	0	0						0.05 UT	0.05 UT	0.025	0.025 UT	0.025 UT
Benzofluoranthenes	ug/l	WLCRPI04OF22B	1	0	0						0.0376 U	0.0376 U	0.0188	0.0188 U	0.0188 U
Benzofluoranthenes	ug/l	WLCRPI04OF22C	1	0	0						0.0365 U	0.0365 U	0.0183	0.01825 U	0.01825 U
Benzo(g,h,i)perylene	ug/l	WLCRPI04OF22B	2	0	0						0.0337 U	0.05 U	0.0209	0.01685 U	0.01685 U
Benzo(g,h,i)perylene	ug/l	WLCRPI04OF22C	4	0	0						0.0326 U	0.05 U	0.0228	0.025 U	0.025 U
Benzo(k)fluoranthene	ug/l	WLCRPI04OF22B	1	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
Benzo(k)fluoranthene	ug/l	WLCRPI04OF22C	3	0	0						0.05 U	0.05 U	0.025	0.025 U	0.025 U
Chrysene	ug/l	WLCRPI04OF22B	2	0	0						0.0248 U	0.05 U	0.0187	0.0124 U	0.0124 U
Chrysene	ug/l	WLCRPI04OF22C	4	0	0						0.024 U	0.05 U	0.0218	0.025 U	0.025 U
Dibenzo(a,h)anthracene	ug/l	WLCRPI04OF22B	2	0	0						0.0267 U	0.1 U	0.0317	0.01335 U	0.01335 U
Dibenzo(a,h)anthracene	ug/l	WLCRPI04OF22C	4	0	0						0.0259 U	0.1 U	0.0407	0.05 U	0.05 U
Fluoranthene	ug/l	WLCRPI04OF22B	2	1	50	0.125	0.125	0.125	0.125	0.125	0.125	0.15 U	0.1	0.075 U	0.075 U
Fluoranthene	ug/l	WLCRPI04OF22C	4	4	100	0.0647	2.05	1.01	0.688	1.25	0.0647	2.05	1.01	0.688	1.25
Fluorene	ug/l	WLCRPI04OF22B	2	0	0						0.0139 U	0.05 U	0.016	0.00695 U	0.00695 U
Fluorene	ug/l	WLCRPI04OF22C	4	3	75	1.79	6.26	3.84	3.46	3.46	0.05 U	6.26	2.88	1.79	3.46
High Molecular Weight PAH	ug/l	WLCRPI04OF22B	2	1	50	0.229 T	0.229 T	0.229	0.229 T	0.229 T	0.15 UT	0.229 T	0.152	0.075 UT	0.075 UT
High Molecular Weight PAH	ug/l	WLCRPI04OF22C	4	4	100	0.127 T	4.14 T	2.07	1.37 T	2.64 JT	0.127 T	4.14 T	2.07	1.37 T	2.64 JT
Indeno(1,2,3-cd)pyrene	ug/l	WLCRPI04OF22B	2	0	0						0.0297 U	0.05 U	0.0199	0.01485 U	0.01485 U
Indeno(1,2,3-cd)pyrene	ug/l	WLCRPI04OF22C	4	0	0						0.0288 U	0.05 U	0.0224	0.025 U	0.025 U
Low Molecular Weight PAH	ug/l	WLCRPI04OF22B	2	2	100	0.4 T	0.859 JT	0.63	0.4 T	0.4 T	0.4 T	0.859 JT	0.63	0.4 T	0.4 T
Low Molecular Weight PAH	ug/l	WLCRPI04OF22C	4	4	100	0.618 T	40.3 JT	21.2	14.5 T	29.2 JT	0.618 T	40.3 JT	21.2	14.5 T	29.2 JT
Naphthalene	ug/l	WLCRPI04OF22B	2	1	50	0.132	0.132	0.132	0.132	0.132	0.0989 U	0.132	0.0907	0.04945 U	0.04945 U
Naphthalene	ug/l	WLCRPI04OF22C	4	4	100	0.39	7.18	2.9	0.688	3.35	0.39	7.18	2.9	0.688	3.35
Phenanthrene	ug/l	WLCRPI04OF22B	2	2	100	0.139 N	0.175	0.157	0.139 N	0.139 N	0.139 N	0.175	0.157	0.139 N	0.139 N
Phenanthrene	ug/l	WLCRPI04OF22C	4	3	75	0.243	1.05	0.657	0.679	0.679	0.05 U	1.05	0.499	0.243	0.679
Pyrene	ug/l	WLCRPI04OF22B	2	1	50	0.104	0.104	0.104	0.104	0.104	0.104	0.15 U	0.0895	0.075 U	0.075 U
Pyrene	ug/l	WLCRPI04OF22C	4	4	100	0.0627	2.09	1.06	0.684	1.39 J	0.0627	2.09	1.06	0.684	1.39 J
Total PAHs	ug/l	WLCRPI04OF22B	2	2	100	0.4 T	1.088 JT	0.744	0.4 T	0.4 T	0.4 T	1.088 JT	0.744	0.4 T	0.4 T
Total PAHs	ug/l	WLCRPI04OF22C	4	4	100	0.745 T	44.44 JT	23.2	15.87 T	31.84 JT	0.745 T	44.44 JT	23.2	15.87 T	31.84 JT
Phthalates															
Bis(2-ethylhexyl) phthalate	ug/l	WLCRPI04OF22B	2	0	0						0.644 U	10 U	2.66	0.322 U	0.322 U
Bis(2-ethylhexyl) phthalate	ug/l	WLCRPI04OF22C	3	0	0						0.624 U	10 U	3.44	5 U	5 U
Butylbenzyl phthalate	ug/l	WLCRPI04OF22B	2	0	0						1.85 U	3 U	1.21	0.925 U	0.925 U
Butylbenzyl phthalate	ug/l	WLCRPI04OF22C	3	0	0						1.79 U	3 U	1.3	1.5 U	1.5 U
Dibutyl phthalate	ug/l	WLCRPI04OF22B	2	0	0						2.29 U	3 U	1.32	1.145 U	1.145 U
Dibutyl phthalate	ug/l	WLCRPI04OF22C	3	0	0						2.22 U	3 U	1.37	1.5 U	1.5 U
Diethyl phthalate	ug/l	WLCRPI04OF22B	2	0	0						0.574 U	3 U	0.894	0.287 U	0.287 U
Diethyl phthalate	ug/l	WLCRPI04OF22C	3	0	0						0.557 U	3 U	1.09	1.5 U	1.5 U
Dimethyl phthalate	ug/l	WLCRPI04OF22B	2	0	0						0.158 U	3 U	0.79	0.079 U	0.079 U
Dimethyl phthalate	ug/l	WLCRPI04OF22C	3	0	0						0.154 U	3 U	1.03	1.5 U	1.5 U
Di-n-octyl phthalate	ug/l	WLCRPI04OF22B	2	0	0						0.337 U	5 U	1.33	0.1685 U	0.1685 U
Di-n-octyl phthalate	ug/l	WLCRPI04OF22C	3	0	0						0.326 U	5 U	1.72	2.5 U	2.5 U
Semivolatile Organic Compounds															
1,2,4-Trichlorobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.158 U	0.213 U	0.0928	0.079 U	0.079 U
1,2,4-Trichlorobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.154 U	0.213 U	0.0991	0.1065 U	0.1065 U
1,2-Dichlorobenzene	ug/l	WLCRPI04OF22B	2	2	100	0.77	0.864	0.817	0.77	0.77	0.77	0.864	0.817	0.77	0.77
1,2-Dichlorobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.0859 U	0.154 U	0.0515	0.04295 U	0.04295 U
1,3-Dichlorobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.132 U	0.168 U	0.075	0.066 U	0.066 U
1,3-Dichlorobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.132 U	0.163 U	0.0699	0.066 U	0.066 U
1,4-Dichlorobenzene	ug/l	WLCRPI04OF22B	2	2	100	0.96 N	1.24	1.1	0.96 N	0.96 N	0.96 N	1.24	1.1	0.96 N	0.96 N
1,4-Dichlorobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.144 U	0.187 U	0.0881	0.0935 U	0.0935 U
2,4-Dinitrotoluene	ug/l	WLCRPI04OF22B	2	0	0						0.129 U	3 U	0.782	0.0645 U	0.0645 U
2,4-Dinitrotoluene	ug/l	WLCRPI04OF22C	3	0	0						0.125 U	3 U	1.02	1.5 U	1.5 U
2,6-Dinitrotoluene	ug/l	WLCRPI04OF22B	2	0	0						0.198 U	3 U	0.8	0.099 U	0.099 U
2,6-Dinitrotoluene	ug/l	WLCRPI04OF22C	3	0	0						0.192 U	3 U	1.03	1.5 U	1.5 U
2-Chloronaphthalene	ug/l	WLCRPI04OF22B	2	0	0						0.0149 U	3 U	0.754	0.00745 U	0.00745 U
2-Chloronaphthalene	ug/l	WLCRPI04OF22C	3	0	0						0.0144 U	3 U	1	1.5 U	1.5 U
2-Nitroaniline	ug/l	WLCRPI04OF22B	2	0	0						0.178 U	3 U	0.795	0.089 U	0.089 U
2-Nitroaniline	ug/l	WLCRPI04OF22C	3	0	0						0.173 U	3 U	1.03	1.5 U	1.5 U
3,3'-Dichlorobenzidine	ug/l	WLCRPI04OF22C	2	0	0						5 U	5 U	2.5	2.5 U	2.5 U
3-Nitroaniline	ug/l	WLCRPI04OF22B	2	0	0						0.327 U	5 U	1.33	0.1635 U	0.1635 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
3-Nitroaniline	ug/l	WLCRPI04OF22C	3	0	0						0.317 U	5 U	1.72	2.5 U	2.5 U
4-Bromophenyl phenyl ether	ug/l	WLCRPI04OF22B	2	0	0						0.119 U	3 U	0.78	0.0595 U	0.0595 U
4-Bromophenyl phenyl ether	ug/l	WLCRPI04OF22C	3	0	0						0.115 U	3 U	1.02	1.5 U	1.5 U
4-Chloroaniline	ug/l	WLCRPI04OF22B	2	0	0						0.386 U	5 U	1.35	0.193 U	0.193 U
4-Chloroaniline	ug/l	WLCRPI04OF22C	3	0	0						0.374 U	5 U	1.73	2.5 U	2.5 U
4-Chlorophenyl phenyl ether	ug/l	WLCRPI04OF22B	2	0	0						0.149 U	3 U	0.787	0.0745 U	0.0745 U
4-Chlorophenyl phenyl ether	ug/l	WLCRPI04OF22C	3	0	0						0.144 U	3 U	1.02	1.5 U	1.5 U
4-Nitroaniline	ug/l	WLCRPI04OF22B	1	0	0						5 U	5 U	2.5	2.5 U	2.5 U
4-Nitroaniline	ug/l	WLCRPI04OF22C	2	0	0						5 U	5 U	2.5	2.5 U	2.5 U
Benzoic acid	ug/l	WLCRPI04OF22B	2	0	0						0.198 U	5 U	1.3	0.099 U	0.099 U
Benzoic acid	ug/l	WLCRPI04OF22C	2	0	0						0.192 U	5 U	1.3	0.096 U	0.096 U
Benzyl alcohol	ug/l	WLCRPI04OF22B	2	0	0						0.317 U	5 U	1.33	0.1585 U	0.1585 U
Benzyl alcohol	ug/l	WLCRPI04OF22C	3	0	0						0.307 U	5 U	1.72	2.5 U	2.5 U
Bis(2-chloroethoxy) methane	ug/l	WLCRPI04OF22B	2	0	0						0.178 U	5 U	1.29	0.089 U	0.089 U
Bis(2-chloroethoxy) methane	ug/l	WLCRPI04OF22C	3	0	0						0.173 U	5 U	1.7	2.5 U	2.5 U
Bis(2-chloroethyl) ether	ug/l	WLCRPI04OF22B	2	0	0						0.188 U	3 U	0.797	0.094 U	0.094 U
Bis(2-chloroethyl) ether	ug/l	WLCRPI04OF22C	3	0	0						0.182 U	3 U	1.03	1.5 U	1.5 U
Bis(2-chloroisopropyl) ether	ug/l	WLCRPI04OF22B	2	0	0						0.208 U	5 U	1.3	0.104 U	0.104 U
Bis(2-chloroisopropyl) ether	ug/l	WLCRPI04OF22C	3	0	0						0.202 U	5 U	1.7	2.5 U	2.5 U
Dibenzofuran	ug/l	WLCRPI04OF22B	2	0	0						0.139 U	3 U	0.785	0.0695 U	0.0695 U
Dibenzofuran	ug/l	WLCRPI04OF22C	3	1	33.3	1.72	1.72	1.72	1.72	1.72	1.72	3 U	1.57	1.5 U	1.5 U
Hexachlorobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.198 U	3 U	0.8	0.099 U	0.099 U
Hexachlorobenzene	ug/l	WLCRPI04OF22C	3	0	0						0.00472 U	0.192 U	0.0349	0.00625 U	0.00625 U
Hexachlorobutadiene	ug/l	WLCRPI04OF22B	2	0	0						0.287 U	0.878 U	0.291	0.1435 U	0.1435 U
Hexachlorobutadiene	ug/l	WLCRPI04OF22C	4	0	0						0.278 U	0.878 U	0.364	0.439 U	0.439 U
Hexachlorocyclopentadiene	ug/l	WLCRPI04OF22B	2	0	0						0.257 U	5 U	1.31	0.1285 U	0.1285 U
Hexachlorocyclopentadiene	ug/l	WLCRPI04OF22C	3	0	0						0.25 U	5 U	1.71	2.5 U	2.5 U
Hexachloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.396 U	5 U	1.35	0.198 U	0.198 U
Hexachloroethane	ug/l	WLCRPI04OF22C	3	0	0						0.384 U	5 U	1.73	2.5 U	2.5 U
Isophorone	ug/l	WLCRPI04OF22B	2	0	0						0.178 U	3 U	0.795	0.089 U	0.089 U
Isophorone	ug/l	WLCRPI04OF22C	3	0	0						0.173 U	3 U	1.03	1.5 U	1.5 U
Nitrobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.446 U	3 U	0.862	0.223 U	0.223 U
Nitrobenzene	ug/l	WLCRPI04OF22C	3	0	0						0.432 U	3 U	1.07	1.5 U	1.5 U
N-Nitrosodiphenylamine	ug/l	WLCRPI04OF22B	2	0	0						0.099 U	3 U	0.775	0.0495 U	0.0495 U
N-Nitrosodiphenylamine	ug/l	WLCRPI04OF22C	3	0	0						0.096 U	3 U	1.02	1.5 U	1.5 U
N-Nitrosodipropylamine	ug/l	WLCRPI04OF22B	2	0	0						0.208 U	3 U	0.802	0.104 U	0.104 U
N-Nitrosodipropylamine	ug/l	WLCRPI04OF22C	3	0	0						0.202 U	3 U	1.03	1.5 U	1.5 U
Phenols															
2,6-Dichlorophenol	ug/l	WLCRPI04OF22B	1	0	0						10 U	10 U	5	5 U	5 U
2,6-Dichlorophenol	ug/l	WLCRPI04OF22C	3	0	0						10 U	10 U	5	5 U	5 U
2,4,5-Trichlorophenol	ug/l	WLCRPI04OF22B	2	1	50	0.558 N	0.558 N	0.558	0.558 N	0.558 N	0.558 N	5 U	1.53	0.558 N	0.558 N
2,4,5-Trichlorophenol	ug/l	WLCRPI04OF22C	4	0	0						0.106 U	5 U	1.89	2.5 U	2.5 U
2,4,6-Trichlorophenol	ug/l	WLCRPI04OF22B	2	1	50	0.453	0.453	0.453	0.453	0.453	0.453	5 U	1.48	0.453	0.453
2,4,6-Trichlorophenol	ug/l	WLCRPI04OF22C	4	0	0						0.115 U	5 U	1.89	2.5 U	2.5 U
2,4-Dichlorophenol	ug/l	WLCRPI04OF22B	2	2	100	10.6	16	13.3	10.6	10.6	10.6	16	13.3	10.6	10.6
2,4-Dichlorophenol	ug/l	WLCRPI04OF22C	4	0	0						0.144 U	5 U	1.89	2.5 U	2.5 U
2,4-Dimethylphenol	ug/l	WLCRPI04OF22B	2	1	50	1.42	1.42	1.42	1.42	1.42	1.42	10 U	3.21	1.42	1.42
2,4-Dimethylphenol	ug/l	WLCRPI04OF22C	3	0	0						0.144 U	10 U	3.36	5 U	5 U
2,4-Dinitrophenol	ug/l	WLCRPI04OF22B	2	0	0						0.297 U	15 U	3.82	0.1485 U	0.1485 U
2,4-Dinitrophenol	ug/l	WLCRPI04OF22C	3	0	0						0.288 U	15 U	5.05	7.5 U	7.5 U
2-Chlorophenol	ug/l	WLCRPI04OF22B	2	1	50	1.15	1.15	1.15	1.15	1.15	1.15	5 U	1.83	1.15	1.15
2-Chlorophenol	ug/l	WLCRPI04OF22C	4	0	0						0.163 U	5 U	1.9	2.5 U	2.5 U
2-Methylphenol	ug/l	WLCRPI04OF22B	2	1	50	5.24	5.24	5.24	5.24	5.24	0.238 U	5.24	2.68	0.119 U	0.119 U
2-Methylphenol	ug/l	WLCRPI04OF22C	4	0	0						0.23 U	5 U	1.9	2.5 U	2.5 U
2-Nitrophenol	ug/l	WLCRPI04OF22B	2	0	0						0.218 U	5 U	1.3	0.109 U	0.109 U
2-Nitrophenol	ug/l	WLCRPI04OF22C	4	0	0						0.211 U	5 U	1.9	2.5 U	2.5 U
3- and 4-Methylphenol Coelution	ug/l	WLCRPI04OF22B	2	0	0						0.228 U	5 U	1.31	0.114 U	0.114 U
3- and 4-Methylphenol Coelution	ug/l	WLCRPI04OF22C	4	0	0						0.221 U	5 U	1.9	2.5 U	2.5 U
4,6-Dinitro-2-methylphenol	ug/l	WLCRPI04OF22B	2	0	0						0.218 U	5 U	1.3	0.109 U	0.109 U
4,6-Dinitro-2-methylphenol	ug/l	WLCRPI04OF22C	4	0	0						0.211 U	5 U	1.9	2.5 U	2.5 U
4-Chloro-3-methylphenol	ug/l	WLCRPI04OF22B	2	0	0						0.535 U	3 U	0.884	0.2675 U	0.2675 U
4-Chloro-3-methylphenol	ug/l	WLCRPI04OF22C	4	0	0						0.518 U	3 U	1.19	1.5 U	1.5 U
4-Nitrophenol	ug/l	WLCRPI04OF22B	2	1	50	0.571	0.571	0.571	0.571	0.571	0.571	10 U	2.79	0.571	0.571
4-Nitrophenol	ug/l	WLCRPI04OF22C	4	0	0						0.0447 U	10 U	3.76	5 U	5 U
Pentachlorophenol	ug/l	WLCRPI04OF22B	2	1	50	0.157	0.157	0.157	0.157	0.157	0.157	5 U	1.33	0.157	0.157
Pentachlorophenol	ug/l	WLCRPI04OF22C	4	0	0						0.0279 U	5 U	1.88	2.5 U	2.5 U
Phenol	ug/l	WLCRPI04OF22B	2	0	0						0.317 U	3 U	0.829	0.1585 U	0.1585 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Phenol	ug/l	WLCRPI04OF22C	4	0	0						0.307 U	3 U	1.16	1.5 U	1.5 U
Tetrachlorophenol	ug/l	WLCRPI04OF22B	1	0	0						10 U	10 U	5	5 U	5 U
Tetrachlorophenol	ug/l	WLCRPI04OF22C	3	0	0						10 U	10 U	5	5 U	5 U
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.148 U	0.5 U	0.162	0.074 U	0.074 U
1,1,1,2-Tetrachloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.148 U	0.5 U	0.118	0.074 U	0.074 U
1,1,1-Trichloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.0859 U	0.5 U	0.146	0.04295 U	0.04295 U
1,1,1-Trichloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.0859 U	0.5 U	0.0947	0.04295 U	0.04295 U
1,1,2,2-Tetrachloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.294 U	0.5 U	0.199	0.147 U	0.147 U
1,1,2,2-Tetrachloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.294 U	0.5 U	0.173	0.147 U	0.147 U
1,1,2-Trichloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.301 U	0.5 U	0.2	0.1505 U	0.1505 U
1,1,2-Trichloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.301 U	0.5 U	0.175	0.1505 U	0.1505 U
1,1-Dichloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.157 U	0.5 U	0.164	0.0785 U	0.0785 U
1,1-Dichloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.157 U	0.5 U	0.121	0.0785 U	0.0785 U
1,1-Dichloroethene	ug/l	WLCRPI04OF22B	2	0	0						0.197 U	0.5 U	0.174	0.0985 U	0.0985 U
1,1-Dichloroethene	ug/l	WLCRPI04OF22C	4	0	0						0.197 U	0.5 U	0.136	0.0985 U	0.0985 U
1,1-Dichloropropene	ug/l	WLCRPI04OF22B	2	0	0						0.149 U	0.5 U	0.162	0.0745 U	0.0745 U
1,1-Dichloropropene	ug/l	WLCRPI04OF22C	4	0	0						0.149 U	0.5 U	0.118	0.0745 U	0.0745 U
1,2,3-Trichlorobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.219 U	0.5 U	0.18	0.1095 U	0.1095 U
1,2,3-Trichlorobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.219 U	0.5 U	0.145	0.1095 U	0.1095 U
1,2,3-Trichloropropane	ug/l	WLCRPI04OF22B	2	0	0						0.365 U	0.5 U	0.216	0.1825 U	0.1825 U
1,2,3-Trichloropropane	ug/l	WLCRPI04OF22C	4	0	0						0.365 U	0.5 U	0.199	0.1825 U	0.1825 U
1,2,4-Trimethylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.0884 U	0.5 U	0.147	0.0442 U	0.0442 U
1,2,4-Trimethylbenzene	ug/l	WLCRPI04OF22C	3	0	0						0.0884 U	0.5 U	0.113	0.0442 U	0.0442 U
1,2-Dibromo-3-chloropropane	ug/l	WLCRPI04OF22B	2	0	0						0.405 U	0.5 U	0.226	0.2025 U	0.2025 U
1,2-Dibromo-3-chloropropane	ug/l	WLCRPI04OF22C	4	0	0						0.405 U	0.5 U	0.214	0.2025 U	0.2025 U
1,2-Dichloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.142 U	0.5 U	0.161	0.071 U	0.071 U
1,2-Dichloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.142 U	0.5 U	0.116	0.071 U	0.071 U
1,2-Dichloropropane	ug/l	WLCRPI04OF22B	2	0	0						0.266 U	0.5 U	0.192	0.133 U	0.133 U
1,2-Dichloropropane	ug/l	WLCRPI04OF22C	4	0	0						0.266 U	0.5 U	0.162	0.133 U	0.133 U
1,3,5-Trimethylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.157 U	0.5 U	0.164	0.0785 U	0.0785 U
1,3,5-Trimethylbenzene	ug/l	WLCRPI04OF22C	3	0	0						0.157 U	0.5 U	0.136	0.0785 U	0.0785 U
1,3-Dichloropropane	ug/l	WLCRPI04OF22B	2	0	0						0.151 U	0.5 U	0.163	0.0755 U	0.0755 U
1,3-Dichloropropane	ug/l	WLCRPI04OF22C	4	0	0						0.151 U	0.5 U	0.119	0.0755 U	0.0755 U
1-Methyl-4-isopropylbenzene	ug/l	WLCRPI04OF22B	1	0	0						0.149 U	0.149 U	0.0745	0.0745 U	0.0745 U
1-Methyl-4-isopropylbenzene	ug/l	WLCRPI04OF22C	3	0	0						0.149 U	0.149 U	0.0745	0.0745 U	0.0745 U
2,2-Dichloropropane	ug/l	WLCRPI04OF22B	2	0	0						0.104 U	0.5 U	0.151	0.052 U	0.052 U
2,2-Dichloropropane	ug/l	WLCRPI04OF22C	4	0	0						0.104 U	0.5 U	0.102	0.052 U	0.052 U
2-Chlorotoluene	ug/l	WLCRPI04OF22B	2	0	0						0.11 U	0.5 U	0.153	0.055 U	0.055 U
2-Chlorotoluene	ug/l	WLCRPI04OF22C	4	0	0						0.11 U	0.5 U	0.104	0.055 U	0.055 U
2-Ethyl-1-hexanol	ug/l	WLCRPI04OF22B	1	0	0						100 U	100 U	50	50 U	50 U
2-Ethyl-1-hexanol	ug/l	WLCRPI04OF22C	3	0	0						100 U	100 U	50	50 U	50 U
4-Chlorotoluene	ug/l	WLCRPI04OF22B	2	0	0						0.12 U	0.5 U	0.155	0.06 U	0.06 U
4-Chlorotoluene	ug/l	WLCRPI04OF22C	4	0	0						0.12 U	0.5 U	0.108	0.06 U	0.06 U
Acetone	ug/l	WLCRPI04OF22B	2	1	50	3.01	3.01	3.01	3.01	3.01	2.5 U	3.01	2.13	1.25 U	1.25 U
Acetone	ug/l	WLCRPI04OF22C	4	1	25	3.56	3.56	3.56	3.56	3.56	2.34 U	3.56	1.77	1.17 U	1.17 U
Benzene	ug/l	WLCRPI04OF22B	2	1	50	0.19	0.19	0.19	0.19	0.19	0.19	0.5 U	0.22	0.19	0.19
Benzene	ug/l	WLCRPI04OF22C	4	1	25	3.15	3.15	3.15	3.15	3.15	0.147 U	3.15	0.843	0.0735 U	0.0735 U
Bromobenzene	ug/l	WLCRPI04OF22B	2	0	0						0.333 U	0.5 U	0.208	0.1665 U	0.1665 U
Bromobenzene	ug/l	WLCRPI04OF22C	4	0	0						0.333 U	0.5 U	0.187	0.1665 U	0.1665 U
Bromochloromethane	ug/l	WLCRPI04OF22B	2	0	0						0.266 U	0.5 U	0.192	0.133 U	0.133 U
Bromochloromethane	ug/l	WLCRPI04OF22C	4	0	0						0.266 U	0.5 U	0.162	0.133 U	0.133 U
Bromodichloromethane	ug/l	WLCRPI04OF22B	2	0	0						0.183 U	0.5 U	0.171	0.0915 U	0.0915 U
Bromodichloromethane	ug/l	WLCRPI04OF22C	4	0	0						0.183 U	0.5 U	0.131	0.0915 U	0.0915 U
Bromoform	ug/l	WLCRPI04OF22B	2	0	0						0.174 U	0.5 U	0.169	0.087 U	0.087 U
Bromoform	ug/l	WLCRPI04OF22C	4	0	0						0.174 U	0.5 U	0.128	0.087 U	0.087 U
Bromomethane	ug/l	WLCRPI04OF22B	2	0	0						0.282 U	1 U	0.321	0.141 U	0.141 U
Bromomethane	ug/l	WLCRPI04OF22C	4	0	0						0.282 U	1 U	0.231	0.141 U	0.141 U
BTEX	ug/l	WLCRPI04OF22B	2	1	50	0.19 T	0.19 T	0.19	0.19 T	0.19 T	0.19 T	1 UT	0.345	0.19 T	0.19 T
BTEX	ug/l	WLCRPI04OF22C	4	1	25	3.15 T	3.15 T	3.15	3.15 T	3.15 T	0.295 UT	3.15 T	0.898	0.1475 UT	0.1475 UT
Carbon disulfide	ug/l	WLCRPI04OF22B	2	0	0						0.233 U	0.5 U	0.183	0.1165 U	0.1165 U
Carbon disulfide	ug/l	WLCRPI04OF22C	4	0	0						0.233 U	0.5 U	0.15	0.1165 U	0.1165 U
Carbon tetrachloride	ug/l	WLCRPI04OF22B	2	0	0						0.14 U	0.5 U	0.16	0.07 U	0.07 U
Carbon tetrachloride	ug/l	WLCRPI04OF22C	4	0	0						0.14 U	0.5 U	0.115	0.07 U	0.07 U
Chlorobenzene	ug/l	WLCRPI04OF22B	2	2	100	8.42	9.18	8.8	8.42	8.42	8.42	9.18	8.8	8.42	8.42
Chlorobenzene	ug/l	WLCRPI04OF22C	4	3	75	0.29	0.605	0.438	0.42	0.42	0.136 U	0.605	0.346	0.29	0.42
Chlorodibromomethane	ug/l	WLCRPI04OF22B	2	0	0						0.133 U	0.5 U	0.158	0.0665 U	0.0665 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Seep ID	# Analyzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Chlorodibromomethane	ug/l	WLCRPI04OF22C	4	0	0						0.133 U	0.5 U	0.112	0.0665 U	0.0665 U
Chloroethane	ug/l	WLCRPI04OF22B	2	0	0						0.327 U	0.5 U	0.207	0.1635 U	0.1635 U
Chloroethane	ug/l	WLCRPI04OF22C	4	0	0						0.327 U	0.5 U	0.185	0.1635 U	0.1635 U
Chloroform	ug/l	WLCRPI04OF22B	2	0	0						0.143 U	0.5 U	0.161	0.0715 U	0.0715 U
Chloroform	ug/l	WLCRPI04OF22C	4	0	0						0.143 U	0.5 U	0.116	0.0715 U	0.0715 U
Chloromethane	ug/l	WLCRPI04OF22B	2	0	0						0.159 U	0.5 U	0.165	0.0795 U	0.0795 U
Chloromethane	ug/l	WLCRPI04OF22C	4	2	50	0.24	0.24	0.24	0.24	0.24	0.159 U	0.5 U	0.202	0.24	0.24
cis-1,2-Dichloroethene	ug/l	WLCRPI04OF22B	2	0	0						0.17 U	0.5 U	0.168	0.085 U	0.085 U
cis-1,2-Dichloroethene	ug/l	WLCRPI04OF22C	4	0	0						0.17 U	0.5 U	0.126	0.085 U	0.085 U
cis-1,3-Dichloropropene	ug/l	WLCRPI04OF22B	2	0	0						0.128 U	0.5 U	0.157	0.064 U	0.064 U
cis-1,3-Dichloropropene	ug/l	WLCRPI04OF22C	4	0	0						0.128 U	0.5 U	0.111	0.064 U	0.064 U
Dichlorodifluoromethane	ug/l	WLCRPI04OF22B	2	0	0						0.312 U	0.5 U	0.203	0.156 U	0.156 U
Dichlorodifluoromethane	ug/l	WLCRPI04OF22C	4	0	0						0.312 U	0.5 U	0.18	0.156 U	0.156 U
Ethylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.11 U	0.5 U	0.153	0.055 U	0.055 U
Ethylbenzene	ug/l	WLCRPI04OF22C	4	0	0						0.11 U	0.5 U	0.104	0.055 U	0.055 U
Ethylene dibromide	ug/l	WLCRPI04OF22B	2	0	0						0.187 U	0.5 U	0.172	0.0935 U	0.0935 U
Ethylene dibromide	ug/l	WLCRPI04OF22C	4	0	0						0.187 U	0.5 U	0.133	0.0935 U	0.0935 U
Isobutyl alcohol	ug/l	WLCRPI04OF22B	2	0	0						15.9 U	50 U	16.5	7.95 U	7.95 U
Isobutyl alcohol	ug/l	WLCRPI04OF22C	4	0	0						15.9 U	50 U	12.2	7.95 U	7.95 U
Isopropylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.107 U	0.5 U	0.152	0.0535 U	0.0535 U
Isopropylbenzene	ug/l	WLCRPI04OF22C	4	3	75	0.23	0.577	0.369	0.3	0.3	0.107 U	0.577	0.29	0.23	0.3
m,p-Xylene	ug/l	WLCRPI04OF22B	2	0	0						0.295 U	1 U	0.324	0.1475 U	0.1475 U
m,p-Xylene	ug/l	WLCRPI04OF22C	4	0	0						0.295 U	1 U	0.236	0.1475 U	0.1475 U
Methyl iodide	ug/l	WLCRPI04OF22B	1	0	0						2.38 U	2.38 U	1.19	1.19 U	1.19 U
Methyl iodide	ug/l	WLCRPI04OF22C	3	0	0						2.38 U	2.38 U	1.19	1.19 U	1.19 U
Methyl isobutyl ketone	ug/l	WLCRPI04OF22B	2	0	0						1.49 U	2.5 U	0.998	0.745 U	0.745 U
Methyl isobutyl ketone	ug/l	WLCRPI04OF22C	4	0	0						1.49 U	2.5 U	0.871	0.745 U	0.745 U
Methyl n-butyl ketone	ug/l	WLCRPI04OF22B	2	0	0						1.1 U	2.5 U	0.9	0.55 U	0.55 U
Methyl n-butyl ketone	ug/l	WLCRPI04OF22C	4	0	0						1.1 U	2.5 U	0.725	0.55 U	0.55 U
Methylene bromide	ug/l	WLCRPI04OF22B	2	0	0						0.117 U	0.5 U	0.154	0.0585 U	0.0585 U
Methylene bromide	ug/l	WLCRPI04OF22C	4	0	0						0.117 U	0.5 U	0.106	0.0585 U	0.0585 U
Methylene chloride	ug/l	WLCRPI04OF22B	2	1	50	0.532	0.532	0.532	0.532	0.532	0.454 U	0.532	0.38	0.227 U	0.227 U
Methylene chloride	ug/l	WLCRPI04OF22C	4	0	0						0.454 U	0.5 U	0.233	0.227 U	0.227 U
Methylethyl ketone	ug/l	WLCRPI04OF22B	2	0	0						1.6 U	2.5 U	1.03	0.8 U	0.8 U
Methylethyl ketone	ug/l	WLCRPI04OF22C	4	0	0						1.6 U	2.5 U	0.913	0.8 U	0.8 U
Methylisopropylbenzene	ug/l	WLCRPI04OF22B	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Methylisopropylbenzene	ug/l	WLCRPI04OF22C	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
n-Butylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.183 U	0.5 U	0.171	0.0915 U	0.0915 U
n-Butylbenzene	ug/l	WLCRPI04OF22C	4	0	0						0.183 U	0.5 U	0.131	0.0915 U	0.0915 U
n-Propylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.138 U	0.5 U	0.16	0.069 U	0.069 U
n-Propylbenzene	ug/l	WLCRPI04OF22C	4	0	0						0.138 U	0.5 U	0.114	0.069 U	0.069 U
o-Xylene	ug/l	WLCRPI04OF22B	2	0	0						0.187 U	0.5 U	0.172	0.0935 U	0.0935 U
o-Xylene	ug/l	WLCRPI04OF22C	4	0	0						0.187 U	0.5 U	0.133	0.0935 U	0.0935 U
Sec-butylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.193 U	0.5 U	0.173	0.0965 U	0.0965 U
Sec-butylbenzene	ug/l	WLCRPI04OF22C	4	0	0						0.193 U	0.5 U	0.135	0.0965 U	0.0965 U
Styrene	ug/l	WLCRPI04OF22B	2	0	0						0.0723 U	0.5 U	0.143	0.03615 U	0.03615 U
Styrene	ug/l	WLCRPI04OF22C	3	0	0						0.0723 U	0.5 U	0.107	0.03615 U	0.03615 U
tert-Butylbenzene	ug/l	WLCRPI04OF22B	2	0	0						0.206 U	0.5 U	0.177	0.103 U	0.103 U
tert-Butylbenzene	ug/l	WLCRPI04OF22C	4	0	0						0.206 U	0.5 U	0.14	0.103 U	0.103 U
Tetrachloroethene	ug/l	WLCRPI04OF22B	2	1	50	0.64	0.64	0.64	0.64	0.64	0.5 U	0.64	0.445	0.25 U	0.25 U
Tetrachloroethene	ug/l	WLCRPI04OF22C	4	0	0						0.109 U	0.5 U	0.103	0.0545 U	0.0545 U
Toluene	ug/l	WLCRPI04OF22B	2	0	0						0.155 U	0.5 U	0.164	0.0775 U	0.0775 U
Toluene	ug/l	WLCRPI04OF22C	4	0	0						0.155 U	0.5 U	0.121	0.0775 U	0.0775 U
trans-1,2-Dichloroethene	ug/l	WLCRPI04OF22B	2	0	0						0.175 U	0.5 U	0.169	0.0875 U	0.0875 U
trans-1,2-Dichloroethene	ug/l	WLCRPI04OF22C	4	0	0						0.175 U	0.5 U	0.128	0.0875 U	0.0875 U
trans-1,3-Dichloropropene	ug/l	WLCRPI04OF22B	2	0	0						0.152 U	0.5 U	0.163	0.076 U	0.076 U
trans-1,3-Dichloropropene	ug/l	WLCRPI04OF22C	4	0	0						0.152 U	0.5 U	0.12	0.076 U	0.076 U
Trichloroethene	ug/l	WLCRPI04OF22B	2	1	50	0.34	0.34	0.34	0.34	0.34	0.34	0.5 U	0.295	0.25 U	0.25 U
Trichloroethene	ug/l	WLCRPI04OF22C	4	0	0						0.241 U	0.5 U	0.153	0.1205 U	0.1205 U
Trichlorofluoromethane	ug/l	WLCRPI04OF22B	2	0	0						0.16 U	0.5 U	0.165	0.08 U	0.08 U
Trichlorofluoromethane	ug/l	WLCRPI04OF22C	4	0	0						0.16 U	0.5 U	0.123	0.08 U	0.08 U
Vinyl chloride	ug/l	WLCRPI04OF22B	2	0	0						0.152 U	0.5 U	0.163	0.076 U	0.076 U
Vinyl chloride	ug/l	WLCRPI04OF22C	4	0	0						0.152 U	0.5 U	0.12	0.076 U	0.076 U
Xylene	ug/l	WLCRPI04OF22B	2	0	0						0.295 UT	1 UT	0.324	0.1475 UT	0.1475 UT
Xylene	ug/l	WLCRPI04OF22C	4	0	0						0.295 UT	1 UT	0.236	0.1475 UT	0.1475 UT
Petroleum															
Diesel Range Hydrocarbons	mg/l	WLCRPI04OF22B	1	0	0						0.63 U	0.63 U	0.315	0.315 U	0.315 U

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Table C1-11. Seep Sample Summary Statistics for All Analytes

						Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**Seep ID**	**# Analyzed**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median[a] (half DL)**	**95th[a] (half DL)**
Diesel Range Hydrocarbons	mg/l	WLCRPI04OF22C	2	0	0						0.63 U	0.63 U	0.315	0.315 U	0.315 U
Gasoline Range Hydrocarbons	mg/l	WLCRPI04OF22B	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Gasoline Range Hydrocarbons	mg/l	WLCRPI04OF22C	2	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Heavy oil	mg/l	WLCRPI04OF22B	1	0	0						0.63 U	0.63 U	0.315	0.315 U	0.315 U
Heavy oil	mg/l	WLCRPI04OF22C	2	0	0						0.63 U	0.63 U	0.315	0.315 U	0.315 U
Total Petroleum Hydrocarbons	mg/l	WLCRPI04OF22B	1	0	0						0.63 UT	0.63 UT	0.315	0.315 UT	0.315 UT
Total Petroleum Hydrocarbons	mg/l	WLCRPI04OF22C	2	0	0						0.63 UT	0.63 UT	0.315	0.315 UT	0.315 UT

Notes:
[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
J - The associated numerical value is an estimated qu
N - Presumptive evidence of presence of material; identification of the compound is not definitiv
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation lim

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Conventionals																	
Alkalinity	mg/l	Push Point	filtered	0-38	13	13	100	124 T	1300	485	371 T	902	124 T	1300	485	371 T	902
Alkalinity	mg/l	Push Point	unfiltered	0-38	65	65	100	31	1430	339	292	810	31	1430	339	292	810
Alkalinity	mg/l	Peeper	n/a	0-38	36	36	100	40	756	324	330	658	40	756	324	330	658
Alkalinity	mg/l	Push Point	filtered	>38	8	8	100	66	758	331	251	434	66	758	331	251	434
Alkalinity	mg/l	Push Point	unfiltered	>38	31	31	100	44	1860	416	306	816	44	1860	416	306	816
Carbon dioxide	mg/l	Push Point	unfiltered	0-38	1	1	100	537	537	537	537	537	537	537	537	537	537
Chloride	mg/l	Push Point	filtered	0-38	13	13	100	3.8	89700	13800	2370	34600	3.8	89700	13800	2370	34600
Chloride	mg/l	Push Point	unfiltered	0-38	65	65	100	2.8 J	88500	3790	9.9	12700	2.8 J	88500	3790	9.9	12700
Chloride	mg/l	Peeper	n/a	0-38	36	32	88.9	0.7 J	51700	3960	8.2 J	25800	0.04 U	51700	3520	7.5 J	25800
Chloride	mg/l	Push Point	filtered	>38	8	8	100	4	10800	1350	4.5	6	4	10800	1350	4.5	6
Chloride	mg/l	Push Point	unfiltered	>38	31	31	100	4.1	41500	2850	8.3	11800	4.1	41500	2850	8.3	11800
Conductivity	umhos/cm	Push Point	unfiltered	0-38	51	51	100	112.8	64800	5910	642	35640	112.8	64800	5910	642	35640
Conductivity	uS/cm	Push Point	unfiltered	0-38	41	41	100	85	1345	484	393	1009	85	1345	484	393	1009
Conductivity	umhos/cm	Push Point	filtered	>38	7	7	100	171	776	513	491	651	171	776	513	491	651
Conductivity	umhos/cm	Push Point	unfiltered	>38	26	26	100	115	106200	8800	642	32590	115	106200	8800	642	32590
Ethane	mg/l	Push Point	unfiltered	0-38	1	0	0						0.124 U	0.124 U	0.062	0.062 U	0.062 U
Ethylene	mg/l	Push Point	unfiltered	0-38	1	0	0						0.116 U	0.116 U	0.058	0.058 U	0.058 U
Methane	mg/l	Push Point	unfiltered	0-38	1	1	100	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
Oxidation-Reduction Potential	mv	Push Point	unfiltered	0-38	85	85	100	-152	355.6	67.7	75	299.5	-152	355.6	67.7	75	299.5
Oxidation-Reduction Potential	mv	Push Point	unfiltered	>38	18	18	100	-107	79	-35.4	-68	54	-107	79	-35.4	-68	54
Dissolved oxygen	mg/l	Push Point	unfiltered	0-38	40	40	100	0.01	5.64	1.65	1.09	3.65	0.01	5.64	1.65	1.09	3.65
pH	ph units	Push Point	filtered	0-38	13	13	100	6.075 JT	7.79 J	6.85	6.805 T	7.34 J	6.075 JT	7.79 J	6.85	6.805 T	7.34 J
pH	ph units	Push Point	unfiltered	0-38	7	7	100	5.99 T	6.63 JT	6.4	6.45	6.49 J	5.99 T	6.63 JT	6.4	6.45	6.49 J
pH	pH units	Push Point	unfiltered	0-38	1	7	700	5.99 T	6.63 JT	6.4	6.45	6.49 J	6.67	6.67	6.67	6.67	6.67
pH	ph units	Push Point	unfiltered	0-38	33	7	21.2	5.99 T	6.63 JT	6.4	6.45	6.49 J	5.55	7.34 J	6.8	6.85 J	7.26 J
pH	pH units	Push Point	unfiltered	0-38	1	7	700	5.99 T	6.63 JT	6.4	6.45	6.49 J	6.82	6.82	6.82	6.82	6.82
pH	ph units	Push Point	unfiltered	0-38	25	7	28	5.99 T	6.63 JT	6.4	6.45	6.49 J	6.07 J	7.35	6.83	6.77 J	7.28 J
pH	pH units	Push Point	unfiltered	0-38	41	7	17.1	5.99 T	6.63 JT	6.4	6.45	6.49 J	6.17	7.76	6.63	6.57	6.87
pH	ph units	Peeper	n/a	0-38	36	36	100	6.46 J	8.1 J	7.15	7.07 J	7.77 T	6.46 J	8.1 J	7.15	7.07 J	7.77 T
pH	ph units	Push Point	filtered	>38	8	8	100	6.57 J	7.99 J	6.92	6.78	7	6.57 J	7.99 J	6.92	6.78	7
pH	ph units	Push Point	unfiltered	>38	14	14	100	5.58	7.65 J	6.61	6.52 J	7.04 J	5.58	7.65 J	6.61	6.52 J	7.04 J
pH	pH units	Push Point	unfiltered	>38	1	14	1400	5.58	7.65 J	6.61	6.52 J	7.04 J	6.55	6.55	6.55	6.55	6.55
pH	ph units	Push Point	unfiltered	>38	17	14	82.4	5.58	7.65 J	6.61	6.52 J	7.04 J	6.56 J	8 J	6.84	6.71 J	7.22
Sulfate	mg/l	Push Point	filtered	0-38	13	7	53.8	0.3 T	298	91.7	27.4	245	0.18 U	298	52.2	4.5 U	245
Sulfate	mg/l	Push Point	unfiltered	0-38	65	46	70.8	0.2	942	65.7	3.2	268	0.1 U	942	47	2.6	264
Sulfate	mg/l	Peeper	n/a	0-38	36	27	75	0.1	485	30.7	0.2	52	0.06 U	485	23.1	0.2	52
Sulfate	mg/l	Push Point	filtered	>38	8	6	75	0.5	227	39.8	2.1	4.3	0.18 U	227	29.8	2.1	4.3
Sulfate	mg/l	Push Point	unfiltered	>38	31	21	67.7	0.2	2240	218	11.8	449	0.1 U	2240	147	2.6	449
Temperature	deg c	Push Point	unfiltered	0-38	41	41	100	13.06	17.76	14.7	14.48	15.88	13.06	17.76	14.7	14.48	15.88
Total dissolved solids	mg/l	Push Point	unfiltered	0-38	50	50	100	14.8	48550	4680	385.9	35780	14.8	48550	4680	385.9	35780
Total dissolved solids	mg/l	Push Point	unfiltered	>38	19	19	100	202	41250	6860	828	32820	202	41250	6860	828	32820
Turbidity	ntu	Push Point	unfiltered	0-38	51	51	100	3.23	3260	123	27.6	95.3	3.23	3260	123	27.6	95.3
Turbidity	ntu	Push Point	unfiltered	>38	18	18	100	1.05	1209	155	36.8	835	1.05	1209	155	36.8	835
Other																	
Cyanide	mg/l	Push Point	unfiltered	0-38	24	23	95.8	0.01	23.1 J	1.97	0.0826 T	0.46	0.01	23.1 J	1.89	0.0669	0.46
Cyanide	mg/l	Peeper	n/a	0-38	10	9	90	0.006 J	0.69	0.24	0.2	0.64	0.006 J	1.4 U	0.286	0.2	0.69
Cyanide	mg/l	Push Point	unfiltered	>38	3	3	100	0.16	0.6	0.37	0.35 J	0.35 J	0.16	0.6	0.37	0.35 J	0.35 J
Perchlorate	ug/l	Push Point	filtered	0-38	5	2	40	70500 J	75200 J	72900	70500 J	70500 J	10 UJ	75200 J	29100	5 UJ	70500 J
Perchlorate	ug/l	Push Point	unfiltered	0-38	17	11	64.7	105 T	177000	50400	9460	133000	0.4 UT	177000	33200	1060	133000
Perchlorate	ug/l	Peeper	n/a	0-38	12	3	25	1080 T	95800	47000	44000	44000	0.4 U	95800	11700	0.5 U	44000
Perchlorate	ug/l	Push Point	filtered	>38	1	1	100	49900 J	49900 J	49900	49900 J	49900 J	49900 J	49900 J	49900	49900 J	49900 J
Perchlorate	ug/l	Push Point	unfiltered	>38	7	4	57.1	2890	210000	97600	41600 J	136000	40 U	210000	58900	20000 U	136000
Metals																	
Aluminum	mg/l	Push Point	filtered	0-38	57	19	33.3	0.0024 J	0.311	0.0863	0.0351	0.305	0.0012 UJ	0.311	0.0305	0.003 U	0.262
Aluminum	mg/l	Push Point	unfiltered	0-38	60	42	70	0.312	41	6.3	3.68 J	11.2 J	0.0265 U	41	4.49	1.84	11.2 J
Aluminum	mg/l	Peeper	n/a	0-38	35	33	94.3	0.0108	0.655	0.0821	0.0492 J	0.286 T	0.0108	0.655	0.0785	0.0487 J	0.286 T
Aluminum	mg/l	Push Point	filtered	>38	12	3	25	0.0096	0.555 T	0.191	0.0097	0.0097	0.0019 U	0.555 T	0.0489	0.00125 U	0.0097
Aluminum	mg/l	Push Point	unfiltered	>38	24	18	75	0.44	50.3	11.4	6.37	26.6	0.158 UJ	50.3	8.6	3.87	25.4 J
Antimony	mg/l	Push Point	filtered	0-38	57	15	26.3	0.00003 J	0.0027 J	0.000575	0.00022 J	0.00122 J	0.00003 U	0.0027 J	0.000203	0.00007 U	0.00078 J
Antimony	mg/l	Push Point	unfiltered	0-38	73	26	35.6	0.00002 J	0.0252	0.00156	0.00013 J	0.00358 J	0.00002 J	0.0252	0.00222	0.000055 U	0.01 U
Antimony	mg/l	Peeper	n/a	0-38	35	24	68.6	0.00002 J	0.00107	0.000204	0.00005	0.00067 J	0.00002 J	0.00107	0.00016	0.00004 JT	0.00067 J
Antimony	mg/l	Push Point	filtered	>38	12	4	33.3	0.00007 T	0.00025 J	0.000175	0.00018 J	0.0002 J	0.00005 U	0.00025 J	0.0000992	0.00006 U	0.0002 J
Antimony	mg/l	Push Point	unfiltered	>38	24	12	50	0.00004 J	0.00149 J	0.000572	0.000125 T	0.00139 J	0.00003 U	0.00149 J	0.00031	0.00005 J	0.00137 J
Arsenic	mg/l	Push Point	filtered	0-38	60	55	91.7	0.00055	0.0768	0.0133	0.00855	0.0323	0.00021 U	0.0768	0.0122	0.00793	0.0323
Arsenic	mg/l	Push Point	unfiltered	0-38	77	61	79.2	0.00072	0.0512 T	0.0118	0.00856	0.0285	0.0005 U	0.0512 T	0.011	0.01 U	0.0285
Arsenic	mg/l	Peeper	n/a	0-38	39	37	94.9	0.0003 J	0.0172	0.00613	0.0059 J	0.0143 JT	0.0002 U	0.0172	0.00582	0.00576 T	0.0143 JT

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Arsenic	mg/l	Push Point	filtered	>38	19	19	100	0.0005	0.0773 T	0.015	0.0096	0.0304	0.0005	0.0773 T	0.015	0.0096	0.0304
Arsenic	mg/l	Push Point	unfiltered	>38	31	30	96.8	0.00136	0.0771	0.0156	0.00975	0.03	0.00031 U	0.0771	0.0151	0.00975	0.03
Barium	mg/l	Push Point	filtered	0-38	57	57	100	0.00539	2.12	0.214	0.0784	0.785	0.00539	2.12	0.214	0.0784	0.785
Barium	mg/l	Push Point	unfiltered	0-38	60	60	100	0.0251	4.39	0.363	0.135	0.811 J	0.0251	4.39	0.363	0.135	0.811 J
Barium	mg/l	Peeper	n/a	0-38	35	35	100	0.00406	2.67	0.302	0.111	1.93	0.00406	2.67	0.302	0.111	1.93
Barium	mg/l	Push Point	filtered	>38	12	12	100	0.0487	0.398	0.165	0.0937 T	0.305	0.0487	0.398	0.165	0.0937 T	0.305
Barium	mg/l	Push Point	unfiltered	>38	24	23	95.8	0.068	0.943	0.313	0.281	0.646 J	0.0582 U	0.943	0.301	0.277	0.646 J
Beryllium	mg/l	Push Point	filtered	0-38	57	8	14	0.000005 J	0.00006 J	0.0000246	0.000014 JT	0.000056 J	0.000005 J	0.00006 J	0.00000807	0.0000055 U	0.000016 J
Beryllium	mg/l	Push Point	unfiltered	0-38	60	48	80	0.000012 JT	0.00134	0.000196	0.000108	0.000515	0.000008 U	0.00134	0.000159	0.00007	0.000515
Beryllium	mg/l	Peeper	n/a	0-38	35	5	14.3	0.0000469 J	0.000202	0.00011	0.0000788	0.000162	0.000006 U	0.000202	0.0000219	0.0000065 U	0.0000788
Beryllium	mg/l	Push Point	filtered	>38	12	3	25	0.000011 J	0.0000265 JT	0.0000178	0.000016 J	0.000016 J	0.000006 U	0.0000265 JT	0.00000921	0.000007 U	0.000016 J
Beryllium	mg/l	Push Point	unfiltered	>38	24	23	95.8	0.000016 J	0.00163 J	0.000286	0.00016	0.000606 J	0.000014 U	0.00163 J	0.000274	0.000135 J	0.000606 J
Cadmium	mg/l	Push Point	filtered	0-38	57	36	63.2	0.000006 J	0.00052	0.0000921	0.0000525 JT	0.000294	0.000002 U	0.00052	0.0000666	0.000041 J	0.000273
Cadmium	mg/l	Push Point	unfiltered	0-38	60	41	68.3	0.000005 J	0.000793	0.000201	0.00013	0.00066	0.000005 J	0.000793	0.000148	0.000088 JT	0.00066
Cadmium	mg/l	Peeper	n/a	0-38	35	15	42.9	0.000035 T	0.036	0.00264	0.00009	0.00225	0.000004 U	0.036	0.00114	0.0000385 U	0.000257
Cadmium	mg/l	Push Point	filtered	>38	12	9	75	0.000004 J	0.000289	0.0000818	0.00004	0.000144	0.000004 J	0.000289	0.0000754	0.00004	0.000144
Cadmium	mg/l	Push Point	unfiltered	>38	24	18	75	0.00006	0.00112	0.00031	0.00016	0.000617	0.000025 U	0.00112	0.000244	0.00013	0.00054
Calcium	mg/l	Push Point	filtered	0-38	69	69	100	4.65	690	91	51.4	281	4.65	690	91	51.4	281
Calcium	mg/l	Push Point	unfiltered	0-38	67	67	100	6.35	681.5 T	88.8	47.5	329	6.35	681.5 T	88.8	47.5	329
Calcium	mg/l	Peeper	n/a	0-38	43	43	100	2.59	787 T	86.3	71.3	161	2.59	787 T	86.3	71.3	161
Calcium	mg/l	Push Point	filtered	>38	20	20	100	7.76	442	81.2	52.1	166	7.76	442	81.2	52.1	166
Calcium	mg/l	Push Point	unfiltered	>38	26	26	100	10	436	109	78.2	264	10	436	109	78.2	264
Chromium	mg/l	Push Point	filtered	0-38	62	34	54.8	0.0002 J	0.0983	0.00708	0.00072	0.00891	0.00009 U	0.0983	0.00407	0.00042	0.00714
Chromium	mg/l	Push Point	unfiltered	0-38	78	58	74.4	0.00079	0.147	0.0184	0.0074	0.0803	0.0003 U	0.147	0.0138	0.0041 J	0.0697
Chromium	mg/l	Peeper	n/a	0-38	39	17	43.6	0.00092	0.0316	0.00456	0.00123	0.0224	0.00014 U	0.0316	0.00221	0.000435 U	0.0032 J
Chromium	mg/l	Push Point	filtered	>38	13	7	53.8	0.00036	0.0496	0.00787	0.00098	0.00138	0.00028 U	0.0496	0.00434	0.00039 U	0.00138
Chromium	mg/l	Push Point	unfiltered	>38	25	20	80	0.0008	0.102	0.0155	0.00753	0.0275	0.00078 UJ	0.102	0.0125	0.0061	0.0257
Cobalt	mg/l	Push Point	unfiltered	0-38	13	8	61.5	0.0061	0.082	0.026	0.0195	0.0285	0.005 U	0.082	0.017	0.0094	0.0285
Copper	mg/l	Push Point	filtered	0-38	50	10	20	0.00036 T	0.00363	0.00119	0.00088	0.00158	0.00008 U	0.00363	0.000405	0.00023 U	0.00106
Copper	mg/l	Push Point	unfiltered	0-38	66	42	63.6	0.00154	0.173	0.0225	0.0116 T	0.0606	0.00034 U	0.173	0.015	0.005 U	0.0589
Copper	mg/l	Peeper	n/a	0-38	39	5	12.8	0.00163	0.0221	0.00623	0.00244	0.0029	0.00017 UJ	0.0221	0.00158	0.000585 UJ	0.00308 UJ
Copper	mg/l	Push Point	filtered	>38	19	11	57.9	0.00003 J	0.00189 J	0.00065	0.00063	0.00132 T	0.00002 UJ	0.00189 J	0.000477	0.00024	0.00132 T
Copper	mg/l	Push Point	unfiltered	>38	25	20	80	0.00179	0.182	0.0321	0.0136 T	0.09	0.00083 U	0.182	0.0265	0.0132 JT	0.05595 T
Iron	mg/l	Push Point	filtered	0-38	21	21	100	0.0911	113	32.1	26.3	62.6	0.0911	113	32.1	26.3	62.6
Iron	mg/l	Push Point	unfiltered	0-38	33	33	100	3.12	179	52.8	38.6	118	3.12	179	52.8	38.6	118
Iron	mg/l	Push Point	filtered	>38	3	3	100	23.1	97.8	61.7	64.2 T	64.2 T	23.1	97.8	61.7	64.2 T	64.2 T
Iron	mg/l	Push Point	unfiltered	>38	4	4	100	23.7	97.2	58.2	54.9	57	23.7	97.2	58.2	54.9	57
Lead	mg/l	Push Point	filtered	0-38	60	22	36.7	0.00001 J	0.00251 J	0.000432	0.00014 T	0.00149	0.00001 U	0.00251 J	0.000173	0.00003	0.000895
Lead	mg/l	Push Point	unfiltered	0-38	77	50	64.9	0.00046	0.13	0.0147	0.00547	0.0551	0.00016 U	0.13	0.0112	0.00542	0.0275
Lead	mg/l	Peeper	n/a	0-38	39	5	12.8	0.00299	0.0183	0.00683	0.00374	0.0057	0.00011 U	0.0183	0.00111	0.000225 UT	0.00374
Lead	mg/l	Push Point	filtered	>38	19	12	63.2	0.000017 J	0.00062 T	0.000123	0.000027	0.00028 J	0.00001 U	0.00062 T	0.0000865	0.000027	0.00028 J
Lead	mg/l	Push Point	unfiltered	>38	31	27	87.1	0.00051	0.166	0.0306	0.0125	0.117	0.00035 U	0.166	0.0267	0.0118 J	0.117
Magnesium	mg/l	Push Point	filtered	0-38	69	69	100	1.9	743	72.9	16.5	484	1.9	743	72.9	16.5	484
Magnesium	mg/l	Push Point	unfiltered	0-38	80	80	100	2.665 T	578	48.8	17.5 T	180	2.665 T	578	48.8	17.5 T	180
Magnesium	mg/l	Peeper	n/a	0-38	43	43	100	0.814 J	312 T	35.4	25.5	75.2	0.814 J	312 T	35.4	25.5	75.2
Magnesium	mg/l	Push Point	filtered	>38	20	20	100	2.33	144	25.8	15.1	58.6	2.33	144	25.8	15.1	58.6
Magnesium	mg/l	Push Point	unfiltered	>38	26	26	100	7.33	1720	157	26.2 T	144	7.33	1720	157	26.2 T	144
Manganese	mg/l	Push Point	filtered	0-38	69	69	100	0.0436	33.5 J	4.98	2.53	17.3 J	0.0436	33.5 J	4.98	2.53	17.3 J
Manganese	mg/l	Push Point	unfiltered	0-38	82	82	100	0.111	36 J	4.42	2.74	12.8	0.111	36 J	4.42	2.74	12.8
Manganese	mg/l	Peeper	n/a	0-38	43	43	100	0.0769	66.2 T	5.94	3.71	10.1	0.0769	66.2 T	5.94	3.71	10.1
Manganese	mg/l	Push Point	filtered	>38	20	20	100	0.023 J	10.3	2.39	1.72	5.26	0.023 J	10.3	2.39	1.72	5.26
Manganese	mg/l	Push Point	unfiltered	>38	32	32	100	0.0723 J	11	3.68	2.99	9.5	0.0723 J	11	3.68	2.99	9.5
Mercury	mg/l	Push Point	filtered	0-38	57	5	8.77	0.00008 J	0.00036	0.00018	0.000134 J	0.000228	0.00008 U	0.00036	0.0000523	0.00004 U	0.0001 J
Mercury	mg/l	Push Point	unfiltered	0-38	60	11	18.3	0.00008 J	0.000495	0.000165	0.000115 JT	0.00027	0.00008 U	0.000495	0.000063	0.00004 U	0.000148 J
Mercury	mg/l	Peeper	n/a	0-38	35	0	0						0.00008 U	0.00009 U	0.0000406	0.00004 UT	0.000045 U
Mercury	mg/l	Push Point	filtered	>38	12	0	0						0.00008 U	0.00008 U	0.00004	0.00004 U	0.00004 U
Mercury	mg/l	Push Point	unfiltered	>38	24	9	37.5	0.00009 J	0.000293	0.00017	0.00019 J	0.000246	0.00008 U	0.000293	0.0000889	0.00004 U	0.00021
Nickel	mg/l	Push Point	filtered	0-38	57	54	94.7	0.0003 J	0.0255	0.00487	0.0027 J	0.0156	0.0003 J	0.0255	0.00481	0.0027 J	0.0156
Nickel	mg/l	Push Point	unfiltered	0-38	73	56	76.7	0.0002 J	0.0919	0.0138	0.009	0.0498	0.0002 J	0.0919	0.0111	0.0072	0.0295 J
Nickel	mg/l	Peeper	n/a	0-38	35	33	94.3	0.0007 J	0.142	0.0107	0.00395 T	0.0278	0.0002 UJ	0.142	0.0101	0.00369	0.0278
Nickel	mg/l	Push Point	filtered	>38	12	10	83.3	0.0017	0.0091 J	0.0038	0.0029 J	0.00524 J	0.0014 U	0.02 U	0.00406	0.0029 J	0.0091 J
Nickel	mg/l	Push Point	unfiltered	>38	24	20	83.3	0.0029 J	0.0605	0.0195	0.0133 J	0.0576	0.0011 UJ	0.0605	0.0168	0.0126 JT	0.0389
Potassium	mg/l	Push Point	filtered	0-38	69	69	100	1.16 J	88.5	8.41	4.09	26.2	1.16 J	88.5	8.41	4.09	26.2
Potassium	mg/l	Push Point	unfiltered	0-38	67	67	100	1.3 J	90.9	8.78	4.22	26.6	1.3 J	90.9	8.78	4.22	26.6
Potassium	mg/l	Peeper	n/a	0-38	43	35	81.4	0.133 J	197 JT	15.3	3.37	47.8	0.133 J	197 JT	12.7	2.94	39.7 J
Potassium	mg/l	Push Point	filtered	>38	20	20	100	0.881 J	17.2	4.55	3.08	12.4	0.881 J	17.2	4.55	3.08	12.4
Potassium	mg/l	Push Point	unfiltered	>38	26	26	100	2.81	64.6	11	5.3	28.3	2.81	64.6	11	5.3	28.3

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Selenium	mg/l	Push Point	filtered	0-38	57	32	56.1	0.0001 J	0.0031 J	0.000675	0.0002 J	0.0021	0.0001 U	0.0035 U	0.000505	0.0002 J	0.0021
Selenium	mg/l	Push Point	unfiltered	0-38	73	40	54.8	0.0001 J	0.0046	0.00106	0.0007 J	0.0031	0.0001 U	0.02 U	0.00248	0.00065 U	0.01 U
Selenium	mg/l	Peeper	n/a	0-38	35	16	45.7	0.0001 JT	0.0013	0.000497	0.0004 J	0.0012	0.0001 JT	0.0013	0.000321	0.0003 U	0.0007 J
Selenium	mg/l	Push Point	filtered	>38	12	10	83.3	0.0001 J	0.0035 J	0.00085	0.0004 J	0.002	0.0001 U	0.0035 J	0.000717	0.0002 J	0.002
Selenium	mg/l	Push Point	unfiltered	>38	24	16	66.7	0.0002 J	0.0033 J	0.00109	0.0007 J	0.0025 J	0.0001 U	0.0051 U	0.000902	0.0004 J	0.0025 J
Silver	mg/l	Push Point	filtered	0-38	57	10	17.5	0.000005 J	0.000048	0.0000164	0.0000075 JT	0.00004	0.000002 U	0.000049 U	0.00000688	0.0000035 U	0.0000245 U
Silver	mg/l	Push Point	unfiltered	0-38	73	30	41.1	0.0000105 JT	0.000539 J	0.000108	0.00007 J	0.000256	0.000004 U	0.01 U	0.000941	0.000031 U	0.005 U
Silver	mg/l	Peeper	n/a	0-38	31	2	6.45	0.000624	0.0026	0.00161	0.000624	0.000624	0.000004 U	0.0026	0.000113	0.0000085 UT	0.000032 U
Silver	mg/l	Push Point	filtered	>38	12	2	16.7	0.000008 JT	0.000015 J	0.0000115	0.000008 JT	0.000008 JT	0.000004 U	0.000016 U	0.00000508	0.0000035 U	0.000008 U
Silver	mg/l	Push Point	unfiltered	>38	24	12	50	0.000023	0.000536	0.000203	0.000153 T	0.000359	0.000005 U	0.000536	0.000119	0.000076	0.000292 J
Sodium	mg/l	Push Point	filtered	0-38	69	68	98.6	5.63	56380	2580	20.3	9880	5.63	56380	2540	20.3	9880
Sodium	mg/l	Push Point	unfiltered	0-38	67	67	100	5.71	58650	2610	20.8	9320	5.71	58650	2610	20.8	9320
Sodium	mg/l	Peeper	n/a	0-38	43	41	95.3	0.58	37490	2880	14.2	15000 T	0.58	37490	2750	14	15000 T
Sodium	mg/l	Push Point	filtered	>38	20	20	100	6.15	8730	455	16.4	69.9	6.15	8730	455	16.4	69.9
Sodium	mg/l	Push Point	unfiltered	>38	26	26	100	8.37	29420	2470	22.6	8910	8.37	29420	2470	22.6	8910
Thallium	mg/l	Push Point	filtered	0-38	57	26	45.6	0.000003 J	0.000171	0.000015	0.000008 J	0.000014 J	0.0000005 U	0.000171	0.0000109	0.0000064 U	0.0000319 U
Thallium	mg/l	Push Point	unfiltered	0-38	60	32	53.3	0.000008 JT	0.000277 T	0.0000529	0.000027 J	0.000159 J	0.000002 U	0.000277 T	0.0000331	0.000015 UJ	0.000155
Thallium	mg/l	Peeper	n/a	0-38	35	1	2.86	0.000655	0.000655	0.000655	0.000655	0.000655	0.000006 U	0.000655	0.0000278	0.000006 U	0.000012 U
Thallium	mg/l	Push Point	filtered	>38	12	9	75	0.000003 J	0.000013 J	0.00000806	0.0000085 JT	0.00001 J	0.000003 J	0.000013 J	0.00000688	0.000006 J	0.00001 J
Thallium	mg/l	Push Point	unfiltered	>38	24	14	58.3	0.000015 J	0.000251	0.0000706	0.000041 T	0.000118 J	0.000006 UJ	0.000251	0.0000466	0.000018 J	0.000106
Titanium	mg/l	Push Point	unfiltered	0-38	13	13	100	0.045	6.97	1.22	0.43	2.46	0.045	6.97	1.22	0.43	2.46
Vanadium	mg/l	Push Point	unfiltered	0-38	13	9	69.2	0.0116	0.379	0.0911	0.0398	0.129	0.01 U	0.379	0.0646	0.0157	0.129
Zinc	mg/l	Push Point	filtered	0-38	60	32	53.3	0.00095 T	0.526	0.0208	0.00376	0.0109	0.00075 UJ	0.526	0.0116	0.002	0.00992
Zinc	mg/l	Push Point	unfiltered	0-38	77	51	66.2	0.00781 J	0.983	0.101	0.0365	0.266	0.00228 UJ	0.983	0.0681	0.0189 J	0.237
Zinc	mg/l	Peeper	n/a	0-38	39	18	46.2	0.00711 JT	0.418	0.0489	0.0105 J	0.184 J	0.00151 UJ	0.418	0.0234	0.002525 UJ	0.095
Zinc	mg/l	Push Point	filtered	>38	19	13	68.4	0.00187 J	0.0134	0.00554	0.00398 T	0.0105	0.0016 U	0.0134	0.00419	0.0028	0.0105
Zinc	mg/l	Push Point	unfiltered	>38	31	24	77.4	0.0186 J	0.438	0.0963	0.0894	0.161	0.00298 U	0.438	0.0754	0.0466	0.161
Dioxins/Furans																	
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.304 U	2.608 U	0.549	0.1905 U	0.1905 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	0	0						2.796 U	4.581 U	1.88	1.9505 U	1.9505 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.291 U	3.221 U	0.776	0.5715 U	0.5715 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	1	33.3	8.096 J	8.096 J	8.1	8.096 J	8.096 J	4.955 U	16.62 U	6.29	8.096 J	8.096 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.403 U	4.278 U	0.862	0.245 U	0.245 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	1	33.3	1.561 J	1.561 J	1.56	1.561 J	1.561 J	0.599 U	4.043 U	1.29	1.561 J	1.561 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.193 U	1.552 U	0.355	0.1935 U	0.1935 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	2	66.7	5.803 J	6.415 J	6.11	5.803 J	5.803 J	1.97 U	6.415 J	4.4	5.803 J	5.803 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.362 U	1.993 U	0.471	0.2345 U	0.2345 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						0.39 U	3.394 U	0.697	0.198 U	0.198 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.212 U	1.591 U	0.37	0.207 U	0.207 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	2	66.7	1.664 J	1.776 J	1.72	1.664 J	1.664 J	1.664 J	2.065 U	1.49	1.664 J	1.664 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.446 U	2.226 U	0.534	0.266 U	0.266 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						0.47 U	3.806 U	0.791	0.2355 U	0.2355 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.244 U	2.31 U	0.5	0.2235 U	0.2235 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	0	0						0.244 U	2.767 U	0.548	0.138 U	0.138 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.405 U	2.107 U	0.503	0.2515 U	0.2515 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						0.432 U	3.594 U	0.744	0.2175 U	0.2175 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.18 U	1.9 U	0.399	0.157 U	0.157 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	2	66.7	2.664 J	3.436 J	3.05	2.664 J	2.664 J	1.845 U	3.436 J	2.34	2.664 J	2.664 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.363 U	2.478 U	0.551	0.2325 U	0.2325 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						0.427 U	2.779 U	0.655	0.3605 U	0.3605 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.215 U	1.613 U	0.377	0.2165 U	0.2165 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	0	0						0.223 U	1.972 U	0.407	0.123 U	0.123 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.186 U	2.041 U	0.427	0.168 U	0.168 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	1	33.3	1.293 J	1.293 J	1.29	1.293 J	1.293 J	0.365 U	2.173 U	0.854	1.0865 U	1.0865 U
2,3,7,8-Tetrachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.286 U	1.802 U	0.429	0.242 U	0.242 U
2,3,7,8-Tetrachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	1	33.3	8.106 J	8.106 J	8.11	8.106 J	8.106 J	2.705 U	8.106 J	3.76	1.827 U	1.827 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						0.23 U	2.139 U	0.44	0.1355 U	0.1355 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						0.247 U	2.58 U	0.52	0.1465 U	0.1465 U
Total PCDD/F	pg/l	Push Point	filtered	0-38	3	1	33.3	0.865 T	0.865 T	0.865	0.865 T	0.865 T	0.865 T	10.241 UT	3.24	3.7415 UT	3.7415 UT
Total PCDD/F	pg/l	Push Point	unfiltered	0-38	3	2	66.7	29 T	51.3 T	40.2	29 T	29 T	29 T	221.715 UT	63.7	51.3 T	51.3 T
Dioxin/furan TCDD toxicity equivalent	pg/l	Push Point	filtered	0-38	3	0	0						0 UT	0 UT	UT	0 UT	0 UT
Dioxin/furan TCDD toxicity equivalent	pg/l	Push Point	unfiltered	0-38	3	2	66.7	1.63 JT	1.79 JT	1.71	1.63 JT	1.63 JT	0 UT	1.79 JT	1.14	1.63 JT	1.63 JT
Dioxin/Furan Homologs																	
Heptachlorodibenzofuran homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.304 U	2.608 U	0.549	0.1905 U	0.1905 U
Heptachlorodibenzofuran homologs	pg/l	Push Point	unfiltered	0-38	3	2	66.7	7.25	10.264	8.76	7.25	7.25	2.796 U	10.264	6.3	7.25	7.25
Heptachlorodibenzo-p-dioxin homologs	pg/l	Push Point	filtered	0-38	3	1	33.3	0.865	0.865	0.865	0.865	0.865	0.48 U	3.221 U	0.905	0.865	0.865
Heptachlorodibenzo-p-dioxin homologs	pg/l	Push Point	unfiltered	0-38	3	1	33.3	17.057	17.057	17.1	17.057	17.057	0.447 U	17.057	6.34	1.7515 U	1.7515 U

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Hexachlorodibenzofuran homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.193 U	1.591 U	0.362	0.1935 U	0.1935 U
Hexachlorodibenzofuran homologs	pg/l	Push Point	unfiltered	0-38	3	2	66.7	9.068	12.383	10.7	9.068	9.068	1.97 U	12.383	7.48	9.068	9.068
Hexachlorodibenzo-p-dioxin homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.362 U	2.226 U	0.51	0.2345 U	0.2345 U
Hexachlorodibenzo-p-dioxin homologs	pg/l	Push Point	unfiltered	0-38	3	1	33.3	1.536	1.536	1.54	1.536	1.536	0.396 U	3.394 U	1.14	1.536	1.536
Octachlorodibenzofuran	pg/l	Push Point	filtered	0-38	3	0	0						0.615 U	10.241 U	1.95	0.4145 U	0.4145 U
Octachlorodibenzofuran	pg/l	Push Point	unfiltered	0-38	3	0	0						9.696 U	16.021 U	5.97	5.0465 U	5.0465 U
Octachlorodibenzo-p-dioxin	pg/l	Push Point	filtered	0-38	3	0	0						4.64 U	8.028 U	3.36	3.7415 U	3.7415 U
Octachlorodibenzo-p-dioxin	pg/l	Push Point	unfiltered	0-38	3	0	0						51.825 U	221.715 U	62.7	51.468 U	51.468 U
Pentachlorodibenzofuran homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.186 U	2.041 U	0.427	0.168 U	0.168 U
Pentachlorodibenzofuran homologs	pg/l	Push Point	unfiltered	0-38	3	2	66.7	3.436	5.446	4.44	3.436	3.436	2.173 U	5.446	3.32	3.436	3.436
Pentachlorodibenzo-p-dioxin homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.363 U	2.478 U	0.551	0.2325 U	0.2325 U
Pentachlorodibenzo-p-dioxin homologs	pg/l	Push Point	unfiltered	0-38	3	0	0						0.427 U	2.779 U	0.655	0.3605 U	0.3605 U
Tetrachlorodibenzofuran homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.286 U	1.802 U	0.429	0.242 U	0.242 U
Tetrachlorodibenzofuran homologs	pg/l	Push Point	unfiltered	0-38	3	2	66.7	4.592	6.999	5.8	4.592	4.592	2.705 U	6.999	4.31	4.592	4.592
Tetrachlorodibenzo-p-dioxin homologs	pg/l	Push Point	filtered	0-38	3	0	0						0.23 U	2.139 U	0.44	0.1355 U	0.1355 U
Tetrachlorodibenzo-p-dioxin homologs	pg/l	Push Point	unfiltered	0-38	3	1	33.3	2.243	2.243	2.24	2.243	2.243	0.293 U	2.58 U	1.23	1.29 U	1.29 U
Pesticides																	
2,4'-DDD	ug/l	Push Point	filtered	0-38	4	4	100	0.011 J	0.15	0.0575	0.029 J	0.04 J	0.011 J	0.15	0.0575	0.029 J	0.04 J
2,4'-DDD	ug/l	Push Point	unfiltered	0-38	6	6	100	0.066 J	1.1 J	0.321	0.17	0.32	0.066 J	1.1 J	0.321	0.17	0.32
2,4'-DDD	ug/l	Peeper	n/a	0-38	4	0	0						0.0033 UJ	0.004 UJ	0.00184	0.0017 UJ	0.002 UJ
2,4'-DDD	ug/l	Push Point	filtered	>38	1	1	100	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
2,4'-DDD	ug/l	Push Point	unfiltered	>38	4	4	100	0.049 J	0.67	0.385	0.16	0.66 J	0.049 J	0.67	0.385	0.16	0.66 J
2,4'-DDE	ug/l	Push Point	filtered	0-38	4	0	0						0.0023 U	0.013 U	0.00491	0.0055 U	0.0065 U
2,4'-DDE	ug/l	Push Point	unfiltered	0-38	6	0	0						0.012 U	0.79 U	0.0738	0.01 U	0.0135 U
2,4'-DDE	ug/l	Peeper	n/a	0-38	4	0	0						0.0024 UJ	0.0038 UJ	0.00156	0.00155 UJ	0.0016 UJ
2,4'-DDE	ug/l	Push Point	filtered	>38	1	0	0						0.014 U	0.014 U	0.007	0.007 U	0.007 U
2,4'-DDE	ug/l	Push Point	unfiltered	>38	4	0	0						0.014 U	0.075 U	0.0259	0.027 U	0.032 U
2,4'-DDT	ug/l	Push Point	filtered	0-38	4	1	25	0.0078 NJ	0.0078 NJ	0.0078	0.0078 NJ	0.0078 NJ	0.0036 U	0.015 U	0.00578	0.006 U	0.0075 U
2,4'-DDT	ug/l	Push Point	unfiltered	0-38	6	2	33.3	0.0098 J	0.093 J	0.0514	0.0098 J	0.0098 J	0.0098 J	0.15 U	0.0358	0.0098 J	0.075 U
2,4'-DDT	ug/l	Peeper	n/a	0-38	4	0	0						0.00089 UJ	0.016 UJ	0.00236	0.00046 UJ	0.00055 UJ
2,4'-DDT	ug/l	Push Point	filtered	>38	1	1	100	0.019 J	0.019 J	0.019	0.019 J	0.019 J	0.019 J	0.019 J	0.019	0.019 J	0.019 J
2,4'-DDT	ug/l	Push Point	unfiltered	>38	4	3	75	0.01 J	0.47	0.185	0.076 J	0.076 J	0.0034 U	0.47	0.139	0.01 J	0.076 J
4,4'-DDD	ug/l	Push Point	filtered	0-38	8	1	12.5	0.025 J	0.025 J	0.025	0.025 J	0.025 J	0.0019 U*	0.077 U	0.0162	0.0085 U*	0.034 U
4,4'-DDD	ug/l	Push Point	unfiltered	0-38	10	7	70	0.015 J	1.3	0.565	0.49	0.88 *	0.0019 U*	1.3	0.404	0.13 J	0.88 *
4,4'-DDD	ug/l	Peeper	n/a	0-38	8	1	12.5	0.032 NJ*	0.032 NJ*	0.032	0.032 NJ*	0.032 NJ*	0.0015 U*	0.032 NJ*	0.00705	0.0036 U	0.0085 U*
4,4'-DDD	ug/l	Push Point	filtered	>38	1	0	0						0.0051 U	0.0051 U	0.00255	0.00255 U	0.00255 U
4,4'-DDD	ug/l	Push Point	unfiltered	>38	4	3	75	0.12 J	1.8 J	1.21	1.7	1.7	0.0052 U	1.8 J	0.906	0.12 J	1.7
4,4'-DDE	ug/l	Push Point	filtered	0-38	8	1	12.5	0.0084 NJ*	0.0084 NJ*	0.0084	0.0084 NJ*	0.0084 NJ*	0.0015 U*	0.024 U	0.00467	0.00195 U	0.0105 U
4,4'-DDE	ug/l	Push Point	unfiltered	0-38	10	6	60	0.015 J	0.24 *	0.088	0.043 J	0.12 J	0.0015 U*	0.93 U	0.104	0.0225 U	0.24 *
4,4'-DDE	ug/l	Peeper	n/a	0-38	8	1	12.5	0.0039 NJ*	0.0039 NJ*	0.0039	0.0039 NJ*	0.0039 NJ*	0.0012 U*	0.0091 U*	0.00279	0.003 U	0.0039 NJ*
4,4'-DDE	ug/l	Push Point	filtered	>38	1	0	0						0.0043 U	0.0043 U	0.00215	0.00215 U	0.00215 U
4,4'-DDE	ug/l	Push Point	unfiltered	>38	4	2	50	0.19 J	0.2 J	0.195	0.19 J	0.19 J	0.0085 U	0.2 J	0.101	0.01 U	0.19 J
4,4'-DDT	ug/l	Push Point	filtered	0-38	8	0	0						0.0042 U*	0.035 U*	0.00786	0.0036 U*	0.0155 U
4,4'-DDT	ug/l	Push Point	unfiltered	0-38	10	7	70	0.0075 J*	1.8	0.973	1.1 J	1.3 *	0.0063 U	1.8	0.691	0.66 *	1.3 *
4,4'-DDT	ug/l	Peeper	n/a	0-38	8	1	12.5	0.0096 J*	0.0096 J*	0.0096	0.0096 J*	0.0096 J*	0.0059 U	0.026 U*	0.00689	0.0047 U	0.0096 J*
4,4'-DDT	ug/l	Push Point	filtered	>38	1	0	0						0.0055 U	0.0055 U	0.00275	0.00275 U	0.00275 U
4,4'-DDT	ug/l	Push Point	unfiltered	>38	4	2	50	0.87	2.7	1.79	0.87	0.87	0.0056 U	2.7	0.896	0.013 U	0.87
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	filtered	0-38	4	4	100	0.029 JT	0.158 JT	0.0658	0.036 JT	0.04 JT	0.029 JT	0.158 JT	0.0658	0.036 JT	0.04 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	unfiltered	0-38	6	6	100	0.066 JT	3.05 JT	1.43	1.3 JT	2.4 JT	0.066 JT	3.05 JT	1.43	1.3 JT	2.4 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/l	Peeper	n/a	0-38	4	0	0						0.0077 UT	0.016 UJT	0.00514	0.004 UT	0.0047 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	filtered	>38	1	1	100	0.179 JT	0.179 JT	0.179	0.179 JT	0.179 JT	0.179 JT	0.179 JT	0.179	0.179 JT	0.179 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	unfiltered	>38	4	4	100	0.169 JT	5.73 JT	2.42	0.17 JT	3.61 JT	0.169 JT	5.73 JT	2.42	0.17 JT	3.61 JT
Total of 2,4' and 4,4'-DDD	ug/l	Push Point	filtered	0-38	4	4	100	0.029 JT	0.15 T	0.0638	0.036 JT	0.04 JT	0.029 JT	0.15 T	0.0638	0.036 JT	0.04 JT
Total of 2,4' and 4,4'-DDD	ug/l	Push Point	unfiltered	0-38	6	6	100	0.066 JT	2.4 JT	0.764	0.2 JT	1.04 T	0.066 JT	2.4 JT	0.764	0.2 JT	1.04 T
Total of 2,4' and 4,4'-DDD	ug/l	Peeper	n/a	0-38	4	0	0						0.0055 UT	0.0087 UT	0.0036	0.0036 UT	0.0037 UT
Total of 2,4' and 4,4'-DDD	ug/l	Push Point	filtered	>38	1	1	100	0.16 T	0.16 T	0.16	0.16 T	0.16 T	0.16 T	0.16 T	0.16	0.16 T	0.16 T
Total of 2,4' and 4,4'-DDD	ug/l	Push Point	unfiltered	>38	4	4	100	0.16 T	2.46 JT	1.29	0.169 JT	2.37 T	0.16 T	2.46 JT	1.29	0.169 JT	2.37 T
Total of 2,4' and 4,4'-DDE	ug/l	Push Point	filtered	0-38	4	0	0						0.0045 UT	0.024 UT	0.00781	0.0065 UT	0.0105 UT
Total of 2,4' and 4,4'-DDE	ug/l	Push Point	unfiltered	0-38	6	3	50	0.015 JT	0.12 JT	0.0593	0.043 JT	0.043 JT	0.015 JT	0.93 UT	0.114	0.0225 UT	0.12 JT
Total of 2,4' and 4,4'-DDE	ug/l	Peeper	n/a	0-38	4	0	0						0.0046 UT	0.0073 UT	0.00301	0.003 UT	0.0031 UT
Total of 2,4' and 4,4'-DDE	ug/l	Push Point	filtered	>38	1	0	0						0.014 UT	0.014 UT	0.007	0.007 UT	0.007 UT
Total of 2,4' and 4,4'-DDE	ug/l	Push Point	unfiltered	>38	4	2	50	0.19 JT	0.2 JT	0.195	0.19 JT	0.19 JT	0.014 UT	0.2 JT	0.107	0.032 UT	0.19 JT
Total of 2,4' and 4,4'-DDT	ug/l	Push Point	filtered	0-38	4	1	25	0.0078 JT	0.0078 JT	0.0078	0.0078 JT	0.0078 JT	0.0078 JT	0.031 UT	0.0112	0.0078 JT	0.014 UT
Total of 2,4' and 4,4'-DDT	ug/l	Push Point	unfiltered	0-38	6	4	66.7	0.0098 JT	1.89 JT	0.96	0.84 T	1.1 JT	0.0098 JT	1.89 JT	0.657	0.075 UT	1.1 JT
Total of 2,4' and 4,4'-DDT	ug/l	Peeper	n/a	0-38	4	0	0						0.0077 UT	0.016 UJT	0.00514	0.004 UT	0.0047 UT
Total of 2,4' and 4,4'-DDT	ug/l	Push Point	filtered	>38	1	1	100	0.019 JT	0.019 JT	0.019	0.019 JT	0.019 JT	0.019 JT	0.019 JT	0.019	0.019 JT	0.019 JT
Total of 2,4' and 4,4'-DDT	ug/l	Push Point	unfiltered	>38	4	3	75	0.01 JT	3.17 T	1.38	0.946 JT	0.946 JT	0.01 JT	3.17 T	1.03	0.013 UT	0.946 JT

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Total of 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	filtered	0-38	8	2	25	0.0084 JT	0.025 JT	0.0167	0.0084 JT	0.0084 JT	0.0042 UT	0.077 UT	0.0165	0.0084 JT	0.034 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	unfiltered	0-38	10	9	90	0.0075 JT	2.64 JT	1.25	1.3 T	2.42 T	0.0075 JT	2.64 JT	1.14	1.23 JT	2.42 T
Total of 4,4'-DDD, -DDE, -DDT	ug/l	Peeper	n/a	0-38	8	2	25	0.0135 JT	0.032 JT	0.0228	0.0135 JT	0.0135 JT	0.0059 UT	0.032 JT	0.00988	0.0047 UT	0.0135 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	filtered	>38	1	0	0						0.0055 UT	0.0055 UT	0.00275	0.00275 UT	0.00275 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/l	Push Point	unfiltered	>38	4	3	75	0.12 JT	4.59 JT	2.53	2.87 JT	2.87 JT	0.0085 UT	4.59 JT	1.9	0.12 JT	2.87 JT
Herbicides																	
2,4,5-T	ug/l	Push Point	filtered	0-38	6	0	0						0.054 U	0.3 U	0.0687	0.0295 U	0.145 U
2,4,5-T	ug/l	Push Point	unfiltered	0-38	7	0	0						0.056 U	0.38 U	0.0724	0.03 U	0.17 U
2,4,5-T	ug/l	Peeper	n/a	0-38	2	0	0						0.076 U	0.077 U	0.0383	0.038 U	0.038 U
2,4,5-T	ug/l	Push Point	filtered	>38	1	0	0						0.054 U	0.054 U	0.027	0.027 U	0.027 U
2,4,5-T	ug/l	Push Point	unfiltered	>38	2	0	0						0.057 U	0.31 U	0.0918	0.0285 U	0.0285 U
2,4-D	ug/l	Push Point	filtered	0-38	6	4	66.7	0.16 J	0.46 J	0.258	0.17 J	0.24 J	0.06 U	0.46 J	0.205	0.17 U	0.24 J
2,4-D	ug/l	Push Point	unfiltered	0-38	7	5	71.4	0.12 NJ	0.97 J	0.402	0.18 J	0.61 J	0.067 U	0.97 J	0.306	0.13 J	0.61 J
2,4-D	ug/l	Peeper	n/a	0-38	2	0	0						0.086 U	0.11 U	0.049	0.043 U	0.043 U
2,4-D	ug/l	Push Point	filtered	>38	1	0	0						0.06 U	0.06 U	0.03	0.03 U	0.03 U
2,4-D	ug/l	Push Point	unfiltered	>38	2	1	50	0.13 J	0.13 J	0.13	0.13 J	0.13 J	0.13 J	0.34 U	0.15	0.13 J	0.13 J
2,4-DB	ug/l	Peeper	n/a	0-38	2	0	0						0.18 U	0.37 U	0.138	0.09 U	0.09 U
Dalapon	ug/l	Peeper	n/a	0-38	2	2	100	2.2 J	2.4	2.3	2.2 J	2.2 J	2.2 J	2.4	2.3	2.2 J	2.2 J
Dicamba	ug/l	Peeper	n/a	0-38	2	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Dichloroprop	ug/l	Push Point	filtered	0-38	6	1	16.7	0.7 J	0.7 J	0.7	0.7 J	0.7 J	0.072 U	0.7 J	0.177	0.0395 U	0.205 U
Dichloroprop	ug/l	Push Point	unfiltered	0-38	7	0	0						0.076 U	3.2 U	0.298	0.0405 U	0.225 U
Dichloroprop	ug/l	Peeper	n/a	0-38	2	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Dichloroprop	ug/l	Push Point	filtered	>38	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
Dichloroprop	ug/l	Push Point	unfiltered	>38	2	1	50	0.28 J	0.28 J	0.28	0.28 J	0.28 J	0.28 J	2.9 U	0.865	0.28 J	0.28 J
Dinoseb	ug/l	Peeper	n/a	0-38	2	0	0						0.12 U	0.13 U	0.0625	0.06 U	0.06 U
MCPA	ug/l	Peeper	n/a	0-38	2	0	0						62 U	63 U	31.3	31 U	31 U
MCPP	ug/l	Peeper	n/a	0-38	2	0	0						16 U	17 U	8.25	8 U	8 U
Silvex	ug/l	Push Point	filtered	0-38	6	0	0						0.06 U	0.34 U	0.0767	0.0325 U	0.16 U
Silvex	ug/l	Push Point	unfiltered	0-38	7	1	14.3	22	22	22	22	22	0.063 U	22	3.19	0.0335 U	0.185 U
Silvex	ug/l	Peeper	n/a	0-38	2	0	0						0.085 U	0.086 U	0.0428	0.0425 U	0.0425 U
Silvex	ug/l	Push Point	filtered	>38	1	1	100	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Silvex	ug/l	Push Point	unfiltered	>38	2	2	100	1.1	4	2.55	1.1	1.1	1.1	4	2.55	1.1	1.1
Polycyclic Aromatic Hydrocarbons																	
2-Methylnaphthalene	ug/l	Push Point	filtered	0-38	39	8	20.5	0.085	44	11.7	0.15	43	0.0041 U	44	2.4	0.005 U	5.4
2-Methylnaphthalene	ug/l	Push Point	unfiltered	0-38	42	7	16.7	0.17	84	27.7	6.7	51	0.0034 U	84	4.62	0.0105 U	6.7
2-Methylnaphthalene	ug/l	Peeper	n/a	0-38	24	12	50	0.082	36	4.5	0.32	7.2	0.0056 U	36	2.25	0.029 U	4.1
2-Methylnaphthalene	ug/l	Push Point	filtered	>38	11	1	9.09	0.18	0.18	0.18	0.18	0.18	0.004 U	0.18	0.0237	0.01 U	0.01 U
2-Methylnaphthalene	ug/l	Push Point	unfiltered	>38	17	5	29.4	0.29	39	10.8	5.1	9.5	0.004 U	39	3.2	0.0105 U	9.5
Acenaphthene	ug/l	Push Point	filtered	0-38	39	36	92.3	0.0031 J	64	8.59	1	39	0.0024 U	64	7.93	0.83	39
Acenaphthene	ug/l	Push Point	unfiltered	0-38	55	51	92.7	0.065	399	41	4.8	172	0.0034 U	399	38	4.2	172
Acenaphthene	ug/l	Peeper	n/a	0-38	24	24	100	0.018 J	88	15.5	2.2	60	0.018 J	88	15.5	2.2	60
Acenaphthene	ug/l	Push Point	filtered	>38	11	10	90.9	0.043	3.4	0.837	0.3	1.6	0.043	3.4	0.777	0.3	1.6
Acenaphthene	ug/l	Push Point	unfiltered	>38	17	17	100	0.19	130	16.7	1.1	77	0.19	130	16.7	1.1	77
Acenaphthylene	ug/l	Push Point	filtered	0-38	39	19	48.7	0.0065 J	0.41	0.136	0.1	0.41	0.0022 U	0.41	0.071	0.019 U	0.36
Acenaphthylene	ug/l	Push Point	unfiltered	0-38	55	33	60	0.057	6.72	0.859	0.22	3.6	0.0052 U	6.72	0.521	0.087	2.08
Acenaphthylene	ug/l	Peeper	n/a	0-38	24	19	79.2	0.0088 J	0.59	0.161	0.11	0.57	0.0032 U	0.59	0.128	0.042 J	0.39
Acenaphthylene	ug/l	Push Point	filtered	>38	11	7	63.6	0.0035 J	0.064	0.021	0.018 J	0.027	0.0035 J	0.064	0.0184	0.0155 U	0.027
Acenaphthylene	ug/l	Push Point	unfiltered	>38	17	9	52.9	0.016 J	1.4	0.235	0.088	0.27	0.01 U	1.4	0.167	0.0345 U	0.38 U
Anthracene	ug/l	Push Point	filtered	0-38	39	29	74.4	0.0027 J	1.1	0.204	0.054	0.94	0.0013 U	1.1	0.154	0.01	0.94
Anthracene	ug/l	Push Point	unfiltered	0-38	55	36	65.5	0.0093	63.8	6.59	0.61	31.2	0.0056 U	63.8	4.32	0.14	25.5
Anthracene	ug/l	Peeper	n/a	0-38	24	23	95.8	0.0042 J	4.4	0.501	0.14	1.1	0.0019 U	4.4	0.481	0.11	1.1
Anthracene	ug/l	Push Point	filtered	>38	11	8	72.7	0.0052 J	0.26 J	0.0458	0.016 J	0.027	0.0015 U	0.26 J	0.0336	0.0093 J	0.027
Anthracene	ug/l	Push Point	unfiltered	>38	17	14	82.4	0.019 J	15	1.92	0.11 J	9.8	0.019 J	15	1.59	0.066	9.8
Benzo(a)anthracene	ug/l	Push Point	filtered	0-38	39	8	20.5	0.0046 J	0.22	0.0566	0.011 J	0.17	0.0024 U	0.22	0.0134	0.00175 U	0.014 J
Benzo(a)anthracene	ug/l	Push Point	unfiltered	0-38	55	30	54.5	0.0072	32.3	3.37	0.23	12.5	0.0049 U	32.3	1.85	0.054	10.9
Benzo(a)anthracene	ug/l	Peeper	n/a	0-38	24	14	58.3	0.0056 J	0.13	0.0299	0.024 J	0.047	0.0037 U	0.13	0.0183	0.0064 J	0.042
Benzo(a)anthracene	ug/l	Push Point	filtered	>38	11	5	45.5	0.0035 J	0.0076 J	0.00504	0.0044 J	0.0056 J	0.0031 U	0.0076 J	0.00333	0.002 U	0.0056 J
Benzo(a)anthracene	ug/l	Push Point	unfiltered	>38	17	12	70.6	0.015 J	4.8	0.784	0.088	3.2	0.0081 U	4.8	0.556	0.042	3.2
Benzo(a)pyrene	ug/l	Push Point	filtered	0-38	39	4	10.3	0.0063 J	0.11	0.0494	0.0064 J	0.075	0.0018 U	0.11	0.00663	0.0012 U	0.0064 J
Benzo(a)pyrene	ug/l	Push Point	unfiltered	0-38	55	35	63.6	0.0025 J	37.8	3.26	0.21	15.2	0.0021 U	37.8	2.08	0.066	13.5
Benzo(a)pyrene	ug/l	Peeper	n/a	0-38	24	3	12.5	0.0076 J	0.082	0.0352	0.016 J	0.016 J	0.0028 U	0.082	0.00643	0.00155 U	0.0076 J
Benzo(a)pyrene	ug/l	Push Point	filtered	>38	11	3	27.3	0.0043 J	0.005 J	0.00477	0.005 J	0.005 J	0.0021 U	0.0053 U	0.00254	0.00205 U	0.005 J
Benzo(a)pyrene	ug/l	Push Point	unfiltered	>38	17	12	70.6	0.0099 J	4.4	0.699	0.12	2.3	0.0047 U	4.4	0.495	0.045	2.3
Benzo(b)fluoranthene	ug/l	Push Point	filtered	0-38	39	4	10.3	0.0042 J	0.087	0.0588	0.063	0.081	0.0022 U	0.087	0.00779	0.0015 U	0.063
Benzo(b)fluoranthene	ug/l	Push Point	unfiltered	0-38	55	27	49.1	0.0091	33.3	3.67	0.286	12.9	0.0025 U	33.3	1.81	0.0265 U	11.8
Benzo(b)fluoranthene	ug/l	Peeper	n/a	0-38	24	4	16.7	0.012 J	0.054	0.0293	0.021 J	0.03 J	0.0035 U	0.054	0.00725	0.0019 U	0.021 J
Benzo(b)fluoranthene	ug/l	Push Point	filtered	>38	11	0	0						0.0026 U	0.0048 U	0.00206	0.0024 U	0.0024 U

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Benzo(b)fluoranthene	ug/l	Push Point	unfiltered	>38	17	11	64.7	0.0087 J	2.6	0.506	0.11	1.5	0.003 U	2.6	0.329	0.04	1.5
Benzo(g,h,i)perylene	ug/l	Push Point	filtered	0-38	39	3	7.69	0.0091 J	0.028	0.0194	0.021 J	0.021 J	0.0041 U	0.028	0.00404	0.0026 U	0.0091 J
Benzo(g,h,i)perylene	ug/l	Push Point	unfiltered	0-38	55	36	65.5	0.015	28.8	2.34	0.13	11.2	0.0046 U	28.8	1.54	0.058	9.76
Benzo(g,h,i)perylene	ug/l	Peeper	n/a	0-38	24	5	20.8	0.0069 J	0.066	0.0226	0.014 J	0.017 J	0.0065 U	0.066	0.00783	0.00365 U	0.014 J
Benzo(g,h,i)perylene	ug/l	Push Point	filtered	>38	11	0	0						0.0041 U	0.0066 U	0.0023	0.00205 U	0.0027 U
Benzo(g,h,i)perylene	ug/l	Push Point	unfiltered	>38	17	12	70.6	0.009 J	3.1	0.517	0.13	1.5	0.0049 U	3.1	0.366	0.043	1.5
Benzo(k)fluoranthene	ug/l	Push Point	filtered	0-38	39	4	10.3	0.004 J	0.1	0.0488	0.02 J	0.071	0.0015 U	0.1	0.0065	0.00105 U	0.02 J
Benzo(k)fluoranthene	ug/l	Push Point	unfiltered	0-38	55	23	41.8	0.015	9	1.36	0.26	4.29	0.0017 U	9	0.575	0.0225 U	3.64
Benzo(k)fluoranthene	ug/l	Peeper	n/a	0-38	24	2	8.33	0.0071 J	0.065	0.0361	0.0071 J	0.0071 J	0.0024 U	0.065	0.00493	0.0013 U	0.006 U
Benzo(k)fluoranthene	ug/l	Push Point	filtered	>38	11	0	0						0.0018 U	0.0041 U	0.00167	0.00205 U	0.00205 U
Benzo(k)fluoranthene	ug/l	Push Point	unfiltered	>38	17	10	58.8	0.0045 J	2.3	0.441	0.083	1.5	0.0021 U	2.3	0.261	0.013 J	1.5
Chrysene	ug/l	Push Point	filtered	0-38	39	10	25.6	0.0033 J	0.31	0.0697	0.016 J	0.24	0.0014 U	0.31	0.0194	0.0018 U	0.063
Chrysene	ug/l	Push Point	unfiltered	0-38	55	29	52.7	0.0099	34.5	3.62	0.55	14.9	0.0077 U	34.5	1.93	0.078	12.9
Chrysene	ug/l	Peeper	n/a	0-38	24	14	58.3	0.0047 J	0.18	0.0372	0.023 J	0.068	0.0022 U	0.18	0.0223	0.0049 J	0.053
Chrysene	ug/l	Push Point	filtered	>38	11	2	18.2	0.0044 J	0.01 J	0.0072	0.0044 J	0.0044 J	0.0018 U	0.01 J	0.00279	0.0018 U	0.0044 J
Chrysene	ug/l	Push Point	unfiltered	>38	17	10	58.8	0.018 J	8	1.35	0.12	3.9	0.015 U	8	0.809	0.051	3.9
Dibenzo(a,h)anthracene	ug/l	Push Point	filtered	0-38	39	1	2.56	0.0024 J	0.0024 J	0.0024	0.0024 J	0.0024 J	0.0018 U	0.0066 U	0.00151	0.0012 U	0.0033 U
Dibenzo(a,h)anthracene	ug/l	Push Point	unfiltered	0-38	55	27	49.1	0.0025 J	3.71	0.409	0.031 J	1.54	0.0019 U	3.71	0.203	0.0065 U	1.35
Dibenzo(a,h)anthracene	ug/l	Peeper	n/a	0-38	24	3	12.5	0.0029 J	0.0055 J	0.00437	0.0047 J	0.0047 J	0.0029 U	0.019 U	0.0032	0.0016 U	0.0095 U
Dibenzo(a,h)anthracene	ug/l	Push Point	filtered	>38	11	1	9.09	0.0037 J	0.0037 J	0.0037	0.0037 J	0.0037 J	0.0022 U	0.0066 U	0.00278	0.0033 U	0.0033 U
Dibenzo(a,h)anthracene	ug/l	Push Point	unfiltered	>38	17	7	41.2	0.0095 J	0.23	0.0746	0.023	0.16	0.0021 U	0.23	0.032	0.0033 U	0.16
Fluoranthene	ug/l	Push Point	filtered	0-38	39	16	41	0.079	2.1	0.777	0.64	2.1	0.0042 U	2.1	0.33	0.0155 U	1.3
Fluoranthene	ug/l	Push Point	unfiltered	0-38	55	35	63.6	0.12	106	12.4	3.5	50.5	0.026 U	106	7.94	0.85 U	43.6
Fluoranthene	ug/l	Peeper	n/a	0-38	24	24	100	0.013 J	3.6	0.751	0.23	2.4	0.013 J	3.6	0.751	0.23	2.4
Fluoranthene	ug/l	Push Point	filtered	>38	11	9	81.8	0.0055 J	1.4	0.179	0.011 J	0.12	0.0055 J	1.4	0.15	0.017 J	0.12
Fluoranthene	ug/l	Push Point	unfiltered	>38	17	13	76.5	0.056	33	5.16	1.3	21	0.056	33	3.97	0.69	21
Fluorene	ug/l	Push Point	filtered	0-38	39	29	74.4	0.014 J	17	3.54	0.87	12	0.0031 U	17	2.64	0.145 U	12
Fluorene	ug/l	Push Point	unfiltered	0-38	55	39	70.9	0.12	108	17.2	5.59	65.8	0.0038 U	108	12.2	1.3	50.2
Fluorene	ug/l	Peeper	n/a	0-38	24	23	95.8	0.0075 J	25	4.6	1.7	16	0.0047 U	25	4.41	0.89	16
Fluorene	ug/l	Push Point	filtered	>38	11	10	90.9	0.015 J	2.3	0.319	0.032	0.4	0.0038 U	2.3	0.29	0.032	0.4
Fluorene	ug/l	Push Point	unfiltered	>38	17	14	82.4	0.04	41	7.03	0.27	23	0.019 U	41	5.8	0.22	23
High Molecular Weight PAH	ug/l	Push Point	filtered	0-38	39	19	48.7	0.0064 JT	5.77 JT	1.45	1.1 T	5.46 JT	0.0064 JT	5.77 JT	0.72	0.049 UT	2.13 JT
High Molecular Weight PAH	ug/l	Push Point	unfiltered	0-38	54	45	83.3	0.0025 JT	450 T	35.9	4.91 JT	175 T	0.0025 JT	450 T	29.9	2.3 T	175 T
High Molecular Weight PAH	ug/l	Peeper	n/a	0-38	24	24	100	0.037 JT	7.6 JT	1.57	0.495 JT	4.96 JT	0.037 JT	7.6 JT	1.57	0.495 JT	4.96 JT
High Molecular Weight PAH	ug/l	Push Point	filtered	>38	11	9	81.8	0.0226 JT	2.26 JT	0.318	0.042 JT	0.307 JT	0.0226 JT	2.26 JT	0.264	0.0309 JT	0.307 JT
High Molecular Weight PAH	ug/l	Push Point	unfiltered	>38	17	14	82.4	0.144 JT	109 T	14.6	2.8 T	57.4 T	0.144 JT	109 T	12	2.67 T	57.4 T
Indeno(1,2,3-cd)pyrene	ug/l	Push Point	filtered	0-38	39	3	7.69	0.0097 J	0.023 J	0.0172	0.019 J	0.019 J	0.0023 U	0.023 J	0.00303	0.0016 U	0.0097 J
Indeno(1,2,3-cd)pyrene	ug/l	Push Point	unfiltered	0-38	55	36	65.5	0.011	16.9	1.58	0.094	7.72	0.0026 U	16.9	1.03	0.04	6.76
Indeno(1,2,3-cd)pyrene	ug/l	Peeper	n/a	0-38	24	4	16.7	0.0046 J	0.051	0.0175	0.0071 J	0.0072 J	0.0037 U	0.051	0.00524	0.00205 U	0.0071 J
Indeno(1,2,3-cd)pyrene	ug/l	Push Point	filtered	>38	11	0	0						0.0028 U	0.0038 U	0.00179	0.0019 U	0.0019 U
Indeno(1,2,3-cd)pyrene	ug/l	Push Point	unfiltered	>38	17	12	70.6	0.0074 J	2.7	0.445	0.1	1.3	0.003 U	2.7	0.315	0.039	1.3
Low Molecular Weight PAH	ug/l	Push Point	filtered	0-38	39	37	94.9	0.0031 JT	1190 T	76.5	1.97 JT	92.5 T	0.0031 JT	1190 T	72.6	1.62 JT	92.5 T
Low Molecular Weight PAH	ug/l	Push Point	unfiltered	0-38	54	50	92.6	0.065 T	14600 JT	1540	15.9 JT	11900 JT	0.016 UT	14600 JT	1420	9.21 T	11900 JT
Low Molecular Weight PAH	ug/l	Peeper	n/a	0-38	24	24	100	0.044 JT	290 T	38.5	3.41 JT	137 JT	0.044 JT	290 T	38.5	3.41 JT	137 JT
Low Molecular Weight PAH	ug/l	Push Point	filtered	>38	11	11	100	0.131 JT	13.5 JT	2.02	0.777 JT	3.15 T	0.131 JT	13.5 JT	2.02	0.777 JT	3.15 T
Low Molecular Weight PAH	ug/l	Push Point	unfiltered	>38	17	17	100	0.61 T	321 T	44	3.06 T	186 T	0.61 T	321 T	44	3.06 T	186 T
Naphthalene	ug/l	Push Point	filtered	0-38	39	8	20.5	0.23	1100	276	0.88	1100	0.015 U	1100	56.6	0.04 U	3.5
Naphthalene	ug/l	Push Point	unfiltered	0-38	111	56	50.5	0.0677 T	13700	1650	8.08	12200	0.0063 U	13700	833	0.5 J	4820
Naphthalene	ug/l	Peeper	n/a	0-38	43	18	41.9	0.048	250	15	0.63 J	4.7	0.015 U	250	6.79	0.145 U	4.4
Naphthalene	ug/l	Push Point	filtered	>38	11	0	0						0.02 U	0.18 U	0.0341	0.022 U	0.06 U
Naphthalene	ug/l	Push Point	unfiltered	>38	32	11	34.4	0.31	32	8.46	3.1	29	0.022 U	150 U	5.54	0.145 U	29
Phenanthrene	ug/l	Push Point	filtered	0-38	39	21	53.8	0.084	21	5.35	3.4	14	0.004 U	21	2.91	0.13	14
Phenanthrene	ug/l	Push Point	unfiltered	0-38	55	36	65.5	0.14	362	43.6	13	182	0.0066 U	362	28.6	1.9	120
Phenanthrene	ug/l	Peeper	n/a	0-38	24	22	91.7	0.012 J	34	4.94	0.48	15	0.012 J	34	4.53	0.25	15
Phenanthrene	ug/l	Push Point	filtered	>38	11	10	90.9	0.036	7.3	0.997	0.18	1.1	0.036	7.3	0.912	0.18	1.1
Phenanthrene	ug/l	Push Point	unfiltered	>38	17	13	76.5	0.42	110	17.7	2.2	65	0.084 U	110	13.6	1.3	65
Pyrene	ug/l	Push Point	filtered	0-38	39	18	46.2	0.064	2.8	0.739	0.46	2.7	0.0071 U	2.8	0.353	0.049 U	1.1
Pyrene	ug/l	Push Point	unfiltered	0-38	55	38	69.1	0.055	148	15.4	2.4	68.7	0.036 U	148	10.7	1.2	61
Pyrene	ug/l	Peeper	n/a	0-38	24	24	100	0.017 J	3.4	0.758	0.25	2.4	0.017 J	3.4	0.758	0.25	2.4
Pyrene	ug/l	Push Point	filtered	>38	11	9	81.8	0.012 J	0.84	0.132	0.025	0.18	0.012 J	0.84	0.112	0.025	0.18
Pyrene	ug/l	Push Point	unfiltered	>38	17	13	76.5	0.23	48	6.44	1.2	21	0.23	48	4.96	0.97	21
Total PAHs	ug/l	Push Point	filtered	0-38	39	37	94.9	0.0031 JT	1200 JT	77.5	1.97 JT	94.5 JT	0.0031 JT	1200 JT	73.5	1.7 JT	94.5 JT
Total PAHs	ug/l	Push Point	unfiltered	0-38	54	51	94.4	0.0025 JT	15050 JT	1540	18.6 JT	12099 JT	0.0025 JT	15050 JT	1450	11.3 JT	12099 JT
Total PAHs	ug/l	Peeper	n/a	0-38	24	24	100	0.105 JT	300 JT	40.1	3.9 JT	140 JT	0.105 JT	300 JT	40.1	3.9 JT	140 JT
Total PAHs	ug/l	Push Point	filtered	>38	11	11	100	0.161 JT	15.8 JT	2.28	0.825 JT	3.24 T	0.161 JT	15.8 JT	2.28	0.825 JT	3.24 T
Total PAHs	ug/l	Push Point	unfiltered	>38	17	17	100	0.61 T	430 T	56	5.12 JT	243 T	0.61 T	430 T	56	5.12 JT	243 T

Semivolatile Organic Compounds

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
1,2,4-Trichlorobenzene	ug/l	Push Point	unfiltered	0-38	103	0	0						0.22 U	11 U	0.183	0.11 U	0.15 U
1,2,4-Trichlorobenzene	ug/l	Peeper	n/a	0-38	39	0	0						0.22 U	22 U	0.46	0.11 U	0.22 U
1,2,4-Trichlorobenzene	ug/l	Push Point	unfiltered	>38	31	0	0						0.22 U	110 U	2.06	0.11 U	0.22 U
1,2-Dichlorobenzene	ug/l	Push Point	unfiltered	0-38	103	10	9.71	0.14 J	640	97.4	0.42 J	270	0.12 U	640	9.57	0.14 J	0.42 J
1,2-Dichlorobenzene	ug/l	Peeper	n/a	0-38	39	5	12.8	0.14 J	0.61	0.384	0.41 J	0.49 J	0.12 U	12 U	0.29	0.06 U	0.61
1,2-Dichlorobenzene	ug/l	Push Point	unfiltered	>38	31	6	19.4	0.15 J	310	77.7	14 J	98	0.12 U	310	16	0.06 U	44
1,3-Dichlorobenzene	ug/l	Push Point	unfiltered	0-38	103	6	5.83	0.12 J	23	5.56	0.64	8.2	0.11 U	23	0.438	0.055 U	0.15 U
1,3-Dichlorobenzene	ug/l	Peeper	n/a	0-38	39	2	5.13	0.47 J	1.2	0.835	0.47 J	0.47 J	0.11 U	11 U	0.268	0.055 U	1.2
1,3-Dichlorobenzene	ug/l	Push Point	unfiltered	>38	31	4	12.9	0.12 J	19	6.08	1.5	3.7	0.11 U	51 U	1.73	0.055 U	3.7
1,4-Dichlorobenzene	ug/l	Push Point	unfiltered	0-38	103	8	7.77	0.16 J	240	43.6	3.4	88	0.12 U	240	3.48	0.06 U	0.5 U
1,4-Dichlorobenzene	ug/l	Peeper	n/a	0-38	39	5	12.8	0.14 J	0.24 J	0.178	0.17 J	0.17 J	0.12 U	12 U	0.264	0.06 U	0.24 J
1,4-Dichlorobenzene	ug/l	Push Point	unfiltered	>38	27	6	22.2	0.19 J	180	42.4	15	36	0.12 U	180	9.47	0.06 U	23 J
Dibenzofuran	ug/l	Push Point	filtered	0-38	39	16	41	0.03	2.3	0.504	0.078	2	0.0044 U	2.3	0.21	0.008 U	2
Dibenzofuran	ug/l	Push Point	unfiltered	0-38	42	22	52.4	0.013 J	8	1.02	0.13	3.3	0.0059 U	8	0.538	0.014 J	2.9
Dibenzofuran	ug/l	Peeper	n/a	0-38	24	19	79.2	0.015 J	7.3	0.908	0.16	3.4	0.013 U	7.3	0.72	0.094	3.2
Dibenzofuran	ug/l	Push Point	filtered	>38	11	3	27.3	0.01 J	0.079	0.0347	0.015 J	0.015 J	0.0044 U	0.079	0.012	0.005 U	0.015 J
Dibenzofuran	ug/l	Push Point	unfiltered	>38	17	10	58.8	0.0073 J	15	2.68	0.064	6.9	0.0044 U	15	1.58	0.016 U	6.9
Hexachlorobutadiene	ug/l	Push Point	unfiltered	0-38	103	0	0						0.28 U	14 U	0.355	0.14 U	0.5 U
Hexachlorobutadiene	ug/l	Peeper	n/a	0-38	39	0	0						0.28 U	28 U	0.585	0.14 U	0.28 U
Hexachlorobutadiene	ug/l	Push Point	unfiltered	>38	31	0	0						0.28 U	140 U	2.62	0.14 U	0.28 U
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.031 U	5.6 U	0.0982	0.06 U	0.1 U
1,1,1,2-Tetrachloroethane	ug/l	Peeper	n/a	0-38	39	0	0						0.12 U	12 U	0.248	0.06 U	0.115 U
1,1,1,2-Tetrachloroethane	ug/l	Push Point	unfiltered	>38	31	0	0						0.12 U	56 U	1.05	0.06 U	0.115 U
1,1,1-Trichloroethane	ug/l	Push Point	unfiltered	0-38	111	4	3.6	0.12 J	0.33 J	0.203	0.12 J	0.24 J	0.059 U	5.8 U	0.106	0.06 U	0.1 U
1,1,1-Trichloroethane	ug/l	Peeper	n/a	0-38	39	1	2.56	0.26 J	0.26 J	0.26	0.26 J	0.26 J	0.12 U	12 U	0.255	0.06 U	0.26 J
1,1,1-Trichloroethane	ug/l	Push Point	unfiltered	>38	31	5	16.1	0.15 J	33	13.4	1.5	32	0.12 U	58 U	3.23	0.06 U	29 U
1,1,2,2-Tetrachloroethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.096 U	6.9 U	0.112	0.07 U	0.1 U
1,1,2,2-Tetrachloroethane	ug/l	Peeper	n/a	0-38	39	0	0						0.14 U	14 U	0.293	0.07 U	0.14 U
1,1,2,2-Tetrachloroethane	ug/l	Push Point	unfiltered	>38	31	1	3.23	200 J	200 J	200	200 J	200 J	0.14 U	200 J	6.63	0.07 U	0.14 U
1,1,2-Trichloroethane	ug/l	Push Point	unfiltered	0-38	111	3	2.7	1.3	13	7.32	7.65	7.65	0.059 U	13	0.307	0.07 U	0.1 U
1,1,2-Trichloroethane	ug/l	Peeper	n/a	0-38	39	1	2.56	360	360	360	360	360	0.14 U	360	9.34	0.07 U	0.14 U
1,1,2-Trichloroethane	ug/l	Push Point	unfiltered	>38	31	3	9.68	0.34 J	400	134	0.36 J	0.36 J	0.14 U	400	13.1	0.07 U	0.36 J
1,1-Dichloroethane	ug/l	Push Point	unfiltered	0-38	111	17	15.3	0.11 J	35	4.67	1.3	27	0.057 U	35	0.801	0.1 U	1.9
1,1-Dichloroethane	ug/l	Peeper	n/a	0-38	39	9	23.1	0.22 J	320	37.3	0.47 J	12	0.11 U	320	8.68	0.055 U	1.3 U
1,1-Dichloroethane	ug/l	Push Point	unfiltered	>38	31	8	25.8	0.63	180	63.9	2.6	160	0.11 U	180	16.6	0.055 U	160 J
1,1-Dichloroethene	ug/l	Push Point	unfiltered	0-38	111	13	11.7	0.18 J	40.5	7.52	1.1	39	0.082 U	40.5	0.974	0.065 U	1.3
1,1-Dichloroethene	ug/l	Peeper	n/a	0-38	39	0	0						0.13 U	13 U	0.27	0.065 U	0.125 U
1,1-Dichloroethene	ug/l	Push Point	unfiltered	>38	31	5	16.1	0.24 J	260	99.7	8	230	0.13 U	260	17.2	0.065 U	30.5 U
1,1-Dichloropropene	ug/l	Push Point	unfiltered	0-38	41	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
1,2,3-Trichlorobenzene	ug/l	Push Point	unfiltered	0-38	41	0	0						1 U	1 U	0.5	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	Push Point	unfiltered	0-38	111	1	0.901	1.7	1.7	1.7	1.7	1.7	0.11 U	11 U	0.17	0.11 U	0.11 U
1,2,3-Trichloropropane	ug/l	Peeper	n/a	0-38	39	1	2.56	30 J	30 J	30	30 J	30 J	0.22 U	30 J	0.946	0.11 U	0.215 U
1,2,3-Trichloropropane	ug/l	Push Point	unfiltered	>38	31	1	3.23	0.35 J	0.35 J	0.35	0.35 J	0.35 J	0.22 U	110 U	2.07	0.11 U	0.35 J
1,2,4-Trimethylbenzene	ug/l	Push Point	unfiltered	0-38	41	17	41.5	1.05	69.9	21.7	14.7	63.1	1 U	69.9	9.31	0.5 U	43.9
1,2-Dibromo-3-chloropropane	ug/l	Push Point	unfiltered	0-38	41	0	0						1 U	1 U	0.5	0.5 U	0.5 U
1,2-Dichloroethane	ug/l	Push Point	unfiltered	0-38	111	9	8.11	0.16 J	59	7.46	0.44 J	3.6	0.031 U	59	0.7	0.06 U	0.285 U
1,2-Dichloroethane	ug/l	Peeper	n/a	0-38	39	3	7.69	0.13 J	770	258	2.6	2.6	0.12 U	770	19.9	0.06 U	1.45 U
1,2-Dichloroethane	ug/l	Push Point	unfiltered	>38	31	6	19.4	0.12 J	520	88.6	1.9	4.7	0.12 U	520	17.3	0.06 U	4.4
1,2-Dichloropropane	ug/l	Push Point	unfiltered	0-38	111	5	4.5	0.14 J	5.8	1.38	0.32 J	0.45 J	0.035 U	7 U	0.17	0.07 U	0.14 J
1,2-Dichloropropane	ug/l	Peeper	n/a	0-38	39	2	5.13	1.4	61	31.2	1.4	1.4	0.14 U	61	1.71	0.07 U	1.4
1,2-Dichloropropane	ug/l	Push Point	unfiltered	>38	31	1	3.23	0.24 J	0.24 J	0.24	0.24 J	0.24 J	0.14 U	70 U	1.32	0.07 U	0.24 J
1,3,5-Trimethylbenzene	ug/l	Push Point	unfiltered	0-38	41	16	39	0.33	21.6	6.37	3.63	17.1	0.3 U	21.6	2.58	0.15 U	11.3
1,3-Dichloropropane	ug/l	Push Point	unfiltered	0-38	41	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
1,4-Dichloro-trans-2-butene	ug/l	Push Point	unfiltered	0-38	70	0	0						0.51 U	30 U	0.522	0.3 U	0.3 U
1,4-Dichloro-trans-2-butene	ug/l	Peeper	n/a	0-38	39	0	0						0.6 U	60 U	1.25	0.3 U	0.6 U
1,4-Dichloro-trans-2-butene	ug/l	Push Point	unfiltered	>38	31	0	0						0.6 U	300 U	5.61	0.3 U	0.6 U
1,4-Difluorobenzene	ug/l	Push Point	unfiltered	0-38	8	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
1,4-Difluorobenzene	ug/l	Push Point	unfiltered	>38	4	0	0						0.12 U	57 U	7.17	0.06 U	0.06 U
1-Methyl-4-isopropylbenzene	ug/l	Push Point	unfiltered	0-38	41	9	22	0.48	3.98	1.97	1.8	3.21	0.3 U	3.98	0.55	0.15 UT	1.98
2,2-Dichloropropane	ug/l	Push Point	unfiltered	0-38	41	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
2-Chloroethyl vinyl ether	ug/l	Push Point	unfiltered	0-38	62	0	0						0.15 UJ	17 U	0.305	0.17 U	0.17 U
2-Chloroethyl vinyl ether	ug/l	Peeper	n/a	0-38	39	0	0						0.34 U	34 U	0.709	0.17 U	0.335 U
2-Chloroethyl vinyl ether	ug/l	Push Point	unfiltered	>38	31	0	0						0.34 U	170 U	3.18	0.17 U	0.335 U
2-Chlorotoluene	ug/l	Push Point	unfiltered	0-38	41	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
4-Chlorotoluene	ug/l	Push Point	unfiltered	0-38	41	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
Acetone	ug/l	Push Point	unfiltered	0-38	53	5	9.43	5.2 J	54	26.8	34 J	34 J	1.6 U	54	6.97	5 UT	7 U

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Acetone	ug/l	Peeper	n/a	0-38	1	1	100	18 J	18 J	18	18 J	18 J	18 J	18 J	18	18 J	18 J
Acetone	ug/l	Push Point	unfiltered	>38	6	6	100	4.1 J	9.8 J	6.9	5.8 J	8.4 J	4.1 J	9.8 J	6.9	5.8 J	8.4 J
Acrolein	ug/l	Push Point	unfiltered	0-38	6	2	33.3	1.8 J	2.4 J	2.1	1.8 J	1.8 J	0.51 U	2.4 J	0.87	0.255 U	1.8 J
Acrolein	ug/l	Push Point	unfiltered	>38	3	3	100	2.6 J	31 J	20.9	29 J	29 J	2.6 J	31 J	20.9	29 J	29 J
Acrylonitrile	ug/l	Push Point	unfiltered	0-38	49	0	0						0.23 U	1 U	0.437	0.5 U	0.5 U
Acrylonitrile	ug/l	Peeper	n/a	0-38	39	0	0						0.54 U	54 U	1.14	0.27 U	0.55 U
Benzene	ug/l	Push Point	unfiltered	0-38	111	56	50.5	0.17 J	3840	150	2.5	747	0.14 U	3840	76	0.25	250
Benzene	ug/l	Peeper	n/a	0-38	43	10	23.3	1.5	1600	176	9.2	49	0.14 U	1600	41.2	0.07 U	33
Benzene	ug/l	Push Point	unfiltered	>38	31	14	45.2	0.14 J	35	3.89	0.25 J	9.4	0.14 U	68 U	3	0.14 J	9.4
Bromobenzene	ug/l	Push Point	unfiltered	0-38	41	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
Bromochloromethane	ug/l	Push Point	unfiltered	0-38	111	2	1.8	0.22 J	6.6	3.41	0.22 J	0.22 J	0.06 U	8.2 U	0.334	0.085 U	0.5 U
Bromochloromethane	ug/l	Peeper	n/a	0-38	39	1	2.56	1800	1800	1800	1800	1800	0.17 U	1800	46.3	0.085 U	0.165 U
Bromochloromethane	ug/l	Push Point	unfiltered	>38	31	1	3.23	85 J	85 J	85	85 J	85 J	0.17 U	85 J	2.96	0.085 U	0.165 U
Bromodichloromethane	ug/l	Push Point	unfiltered	0-38	111	1	0.901	3.8	3.8	3.8	3.8	3.8	0.068 U	5.5 U	0.13	0.055 U	0.1 U
Bromodichloromethane	ug/l	Peeper	n/a	0-38	39	2	5.13	0.31 J	290	145	0.31 J	0.31 J	0.11 U	290	7.53	0.055 U	0.31 J
Bromodichloromethane	ug/l	Push Point	unfiltered	>38	31	1	3.23	0.19 J	0.19 J	0.19	0.19 J	0.19 J	0.11 U	55 U	1.03	0.055 U	0.19 J
Bromoform	ug/l	Push Point	unfiltered	0-38	111	0	0						0.046 U	14 U	0.331	0.14 U	0.5 U
Bromoform	ug/l	Peeper	n/a	0-38	39	0	0						0.28 U	28 U	0.585	0.14 U	0.28 U
Bromoform	ug/l	Push Point	unfiltered	>38	31	0	0						0.28 U	140 U	2.62	0.14 U	0.28 U
Bromomethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.22 U	11 U	0.223	0.11 U	0.25 U
Bromomethane	ug/l	Peeper	n/a	0-38	39	0	0						0.22 U	22 U	0.46	0.11 U	0.22 U
Bromomethane	ug/l	Push Point	unfiltered	>38	31	0	0						0.22 U	110 U	2.06	0.11 U	0.22 U
BTEX	ug/l	Push Point	unfiltered	0-38	70	39	55.7	0.11 JT	733 T	39.4	0.67 JT	333 T	0.11 JT	733 T	22.1	0.32 JT	21.1 T
BTEX	ug/l	Peeper	n/a	0-38	43	30	69.8	0.11 JT	1600 T	66.7	1.81 JT	69.3 T	0.11 JT	1600 T	46.5	1.2 T	59 T
BTEX	ug/l	Push Point	unfiltered	>38	31	25	80.6	0.14 JT	65 JT	6.6	1.31 JT	10.9 JT	0.14 JT	65 JT	5.52	0.79 JT	10.9 JT
Carbon disulfide	ug/l	Push Point	unfiltered	0-38	111	7	6.31	0.15 J	53 J	15.4	0.32 J	53 J	0.15 J	53 J	1.25	0.08 U	0.5 UT
Carbon disulfide	ug/l	Peeper	n/a	0-38	39	4	10.3	0.17 J	800	200	0.23 J	0.24 J	0.16 U	800	20.9	0.08 U	2 U
Carbon disulfide	ug/l	Push Point	unfiltered	>38	31	0	0						0.16 U	80 U	1.5	0.08 U	0.16 U
Carbon tetrachloride	ug/l	Push Point	unfiltered	0-38	111	0	0						0.099 U	7 U	0.107	0.07 U	0.085 U
Carbon tetrachloride	ug/l	Peeper	n/a	0-38	39	0	0						0.14 U	14 U	0.293	0.07 U	0.14 U
Carbon tetrachloride	ug/l	Push Point	unfiltered	>38	31	0	0						0.14 U	70 U	1.31	0.07 U	0.14 U
Chlorobenzene	ug/l	Push Point	unfiltered	0-38	111	26	23.4	0.27 J	12000	499	13	200	0.07 U	12000	117	0.1 U	50
Chlorobenzene	ug/l	Peeper	n/a	0-38	39	17	43.6	0.15 J	12000	728	0.4 J	150	0.14 U	12000	318	0.07 U	110
Chlorobenzene	ug/l	Push Point	unfiltered	>38	31	12	38.7	0.2 J	30000	2590	1.9	710	0.14 U	30000	1000	0.07 U	310
Chlorodibromomethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.068 U	5.2 U	0.0949	0.055 U	0.1 U
Chlorodibromomethane	ug/l	Peeper	n/a	0-38	39	0	0						0.11 U	11 U	0.228	0.055 U	0.105 U
Chlorodibromomethane	ug/l	Push Point	unfiltered	>38	31	0	0						0.11 U	52 U	0.976	0.055 U	0.105 U
Chloroethane	ug/l	Push Point	unfiltered	0-38	111	6	5.41	0.9	160	30.6	3.8	8.8	0.2 U	160	1.82	0.115 U	0.9
Chloroethane	ug/l	Peeper	n/a	0-38	39	5	12.8	0.23 J	3	1.04	0.45 J	1.1	0.23 U	23 U	0.599	0.115 U	2.85 U
Chloroethane	ug/l	Push Point	unfiltered	>38	31	6	19.4	0.58	3.9	1.76	1.2	2.4	0.23 U	120 U	2.56	0.115 U	3.9
Chloroform	ug/l	Push Point	unfiltered	0-38	111	12	10.8	0.14 J	17000	1740	13	2800	0.056 U	17000	188	0.1 U	13
Chloroform	ug/l	Peeper	n/a	0-38	39	3	7.69	1.7	770000	257000	5.5 J	5.5 J	0.14 U	770000	19700	0.07 U	47 U
Chloroform	ug/l	Push Point	unfiltered	>38	31	15	48.4	0.15 J	820000	54700	0.69	630 J	0.14 U	820000	26500	0.2 U	150
Chloromethane	ug/l	Push Point	unfiltered	0-38	111	1	0.901	11 J	11 J	11	11 J	11 J	0.14 U	11 J	0.249	0.07 U	0.34 U
Chloromethane	ug/l	Peeper	n/a	0-38	39	2	5.13	11	32 J	21.5	11	11	0.14 U	32 J	1.32	0.07 U	4.1 U
Chloromethane	ug/l	Push Point	unfiltered	>38	31	3	9.68	0.14 J	2.7 J	1.01	0.18 J	0.18 J	0.14 U	68 U	1.36	0.07 UJ	2.7 J
cis-1,2-Dichloroethene	ug/l	Push Point	unfiltered	0-38	103	40	38.8	0.12 J	67000	2290	2.9	3830	0.12 U	67000	891	0.1 U	111
cis-1,2-Dichloroethene	ug/l	Peeper	n/a	0-38	35	4	11.4	0.13 J	0.63	0.335	0.26 J	0.32 J	0.12 U	0.63	0.0931	0.06 U	0.26 J
cis-1,2-Dichloroethene	ug/l	Push Point	unfiltered	>38	24	11	45.8	0.12 J	1200	118	2.1	86	0.12 U	1200	54.3	0.06 U	6.5
cis-1,3-Dichloropropene	ug/l	Push Point	unfiltered	0-38	111	0	0						0.031 U	5.5 U	0.095	0.055 U	0.1 U
cis-1,3-Dichloropropene	ug/l	Peeper	n/a	0-38	39	0	0						0.11 U	11 U	0.231	0.055 U	0.11 U
cis-1,3-Dichloropropene	ug/l	Push Point	unfiltered	>38	31	0	0						0.11 U	55 U	1.03	0.055 U	0.11 U
Dichlorodifluoromethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.11 U	8.3 U	0.128	0.085 U	0.1 U
Dichlorodifluoromethane	ug/l	Peeper	n/a	0-38	39	0	0						0.17 U	17 U	0.355	0.085 U	0.17 U
Dichlorodifluoromethane	ug/l	Push Point	unfiltered	>38	31	0	0						0.17 U	83 U	1.55	0.085 U	0.17 U
Ethylbenzene	ug/l	Push Point	unfiltered	0-38	111	36	32.4	0.09 J	416	49.9	2.1	275	0.071 U	416	16.3	0.1 U	77
Ethylbenzene	ug/l	Peeper	n/a	0-38	43	10	23.3	0.14 J	5	1.3	0.46 J	3.3	0.13 U	13 U	0.54	0.065 U	2.3
Ethylbenzene	ug/l	Push Point	unfiltered	>38	31	9	29	0.14 J	4.5	0.998	0.31 J	1.6	0.13 U	65 U	1.49	0.065 U	3.25 U
Ethylene dibromide	ug/l	Push Point	unfiltered	0-38	111	0	0						0.051 U	5 U	0.109	0.0495 U	0.15 U
Ethylene dibromide	ug/l	Peeper	n/a	0-38	39	0	0						0.099 U	9.9 U	0.207	0.0495 U	0.1 U
Ethylene dibromide	ug/l	Push Point	unfiltered	>38	31	0	0						0.099 U	50 U	0.935	0.0495 U	0.1 U
Isopropylbenzene	ug/l	Push Point	unfiltered	0-38	111	26	23.4	0.13 J	14.5	3.7	1.22	9.7	0.044 U	14.5	0.993	0.15 U	7.66
Isopropylbenzene	ug/l	Peeper	n/a	0-38	39	8	20.5	0.11 J	9.6	3.4	1.3 J	7.8	0.11 U	11 U	0.914	0.055 U	5.5 U
Isopropylbenzene	ug/l	Push Point	unfiltered	>38	31	10	32.3	0.16 J	13	2.15	0.51 J	2.2	0.11 U	53 U	1.7	0.055 U	2.65 U
m,p-Xylene	ug/l	Push Point	unfiltered	0-38	111	34	30.6	0.2 J	293	23.7	2.42	79.3	0.2 J	293	7.44	0.2 U	41.9
m,p-Xylene	ug/l	Peeper	n/a	0-38	43	20	46.5	0.22 J	4.4	0.93	0.33 J	3.6	0.22 U	22 U	0.806	0.22 J	2.75 U
m,p-Xylene	ug/l	Push Point	unfiltered	>38	31	15	48.4	0.25 J	2.7	0.998	0.97	2.4	0.22 U	110 U	2.49	0.31 J	2.7

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	Sample Method	Filtration	Sample Depth	# Anlayzed	# Detected	% Detected	Minimum	Maximum	Mean	Median[a]	95th[a]	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median[a] (half DL)	95th[a] (half DL)
Methyl iodide	ug/l	Push Point	unfiltered	0-38	70	0	0						0.38 U	19 U	0.35	0.19 U	0.335 U
Methyl iodide	ug/l	Peeper	n/a	0-38	39	0	0						0.38 U	38 UJ	0.793	0.19 U	0.375 U
Methyl iodide	ug/l	Push Point	unfiltered	>38	31	0	0						0.38 U	190 U	3.55	0.19 U	0.375 U
Methyl isobutyl ketone	ug/l	Push Point	unfiltered	0-38	50	1	2	0.88 J	0.88 J	0.88	0.88 J	0.88 J	0.24 U	20 U	8.26	10 U	10 U
Methyl isobutyl ketone	ug/l	Peeper	n/a	0-38	35	2	5.71	2.9 J	5.5 J	4.2	2.9 J	2.9 J	2.7 U	5.5 J	1.55	1.35 U	2.7 U
Methyl isobutyl ketone	ug/l	Push Point	unfiltered	>38	2	2	100	3.2 J	3.4 J	3.3	3.2 J	3.2 J	3.2 J	3.4 J	3.3	3.2 J	3.2 J
Methyl n-butyl ketone	ug/l	Push Point	unfiltered	0-38	50	1	2	13 J	13 J	13	13 J	13 J	0.64 U	13 J	4.41	5 U	5 UT
Methyl tert-butyl ether	ug/l	Push Point	unfiltered	0-38	111	12	10.8	0.3 J	15	3.31	0.59	13	0.039 U	15	0.544	0.1 U	1
Methyl tert-butyl ether	ug/l	Peeper	n/a	0-38	39	19	48.7	0.2 J	1.5	0.768	0.76	1.5	0.2 U	20 U	0.744	0.21 J	1.5
Methyl tert-butyl ether	ug/l	Push Point	unfiltered	>38	31	8	25.8	0.51	29	9.51	3.5	22	0.2 U	99 U	4.28	0.1 U	22
Methylene bromide	ug/l	Push Point	unfiltered	0-38	111	1	0.901	0.21 J	0.21 J	0.21	0.21 J	0.21 J	0.082 U	6 U	0.251	0.06 U	0.5 U
Methylene bromide	ug/l	Peeper	n/a	0-38	39	2	5.13	0.14 J	0.2 J	0.17	0.14 J	0.14 J	0.12 U	12 U	0.256	0.06 U	0.2 J
Methylene bromide	ug/l	Push Point	unfiltered	>38	31	2	6.45	0.17 J	0.19 J	0.18	0.17 J	0.17 J	0.12 U	60 U	1.13	0.06 U	0.19 J
Methylene chloride	ug/l	Push Point	unfiltered	0-38	111	5	4.5	0.24 J	36000	7580	0.49 J	1900	0.2 U	36000	346	0.24 J	10 U
Methylene chloride	ug/l	Peeper	n/a	0-38	39	7	17.9	0.23 J	520000	74300	2	25	0.2 U	520000	13300	0.1 U	6.8 J
Methylene chloride	ug/l	Push Point	unfiltered	>38	31	3	9.68	2.8	90000	30000	3	3	0.2 U	90000	2900	0.1 U	3
Methylethyl ketone	ug/l	Push Point	unfiltered	0-38	48	4	8.33	2.3 J	9	5.63	5.2 J	6 J	1.1 U	10 U	4.77	5 U	5 U
Methylethyl ketone	ug/l	Peeper	n/a	0-38	6	6	100	3.8 J	12 J	7.62	6.9 J	9.1 J	3.8 J	12 J	7.62	6.9 J	9.1 J
Methylethyl ketone	ug/l	Push Point	unfiltered	>38	1	1	100	3.9 J	3.9 J	3.9	3.9 J	3.9 J	3.9 J	3.9 J	3.9	3.9 J	3.9 J
n-Butylbenzene	ug/l	Push Point	unfiltered	0-38	41	3	7.32	0.34	0.48	0.43	0.47	0.47	0.3 U	0.48	0.17	0.15 U	0.15 U
n-Propylbenzene	ug/l	Push Point	unfiltered	0-38	41	13	31.7	0.3	3.95	1.39	1.06 T	3.36	0.3 U	3.95	0.542	0.15 U	1.92
o-Xylene	ug/l	Push Point	unfiltered	0-38	111	36	32.4	0.11 J	150	16.7	1.39	67.5	0.11 U	150	5.52	0.1 U	26.9
o-Xylene	ug/l	Peeper	n/a	0-38	43	25	58.1	0.11 J	7	0.998	0.33 J	3.1	0.11 J	11 U	0.759	0.2 J	3.1
o-Xylene	ug/l	Push Point	unfiltered	>38	31	16	51.6	0.14 J	6	0.908	0.23 J	1.6	0.11 U	51 U	1.41	0.17 J	2.55 U
Sec-butylbenzene	ug/l	Push Point	unfiltered	0-38	41	5	12.2	1.75	7.06	2.95	1.79	2.38	0.3 U	7.06	0.491	0.15 UT	1.76
Styrene	ug/l	Push Point	unfiltered	0-38	111	6	5.41	0.22	1.71	0.674	0.49	0.71 J	0.095 U	4.8 U	0.141	0.0475 U	0.5 U
Styrene	ug/l	Peeper	n/a	0-38	39	21	53.8	0.25 J	0.76	0.402	0.38 J	0.57	0.095 U	9.5 U	0.394	0.28 J	0.76
Styrene	ug/l	Push Point	unfiltered	>38	31	3	9.68	0.11 J	0.15 J	0.13	0.13 J	0.13 J	0.095 U	48 U	0.906	0.0475 U	0.15 J
tert-Butylbenzene	ug/l	Push Point	unfiltered	0-38	41	2	4.88	0.3	0.4	0.35	0.3	0.3	0.3 U	0.4	0.16	0.15 U	0.15 UT
Tetrachloroethene	ug/l	Push Point	unfiltered	0-38	111	6	5.41	0.36 J	50	12.4	1.9	18	0.096 U	50	0.813	0.065 U	0.365 U
Tetrachloroethene	ug/l	Peeper	n/a	0-38	39	1	2.56	1400	1400	1400	1400	1400	0.13 U	1400	36	0.065 U	0.13 U
Tetrachloroethene	ug/l	Push Point	unfiltered	>38	31	14	45.2	0.14 J	12000	873	1.6	200	0.13 U	12000	394	0.15 U	4.9
Toluene	ug/l	Push Point	unfiltered	0-38	111	51	45.9	0.23 J	178	10.2	1.58	36.6	0.15 U	178	4.92	0.45	17.4
Toluene	ug/l	Peeper	n/a	0-38	43	25	58.1	0.63	59	7.2	1.6	28	0.11 U	59	4.26	0.93	5.6
Toluene	ug/l	Push Point	unfiltered	>38	31	7	22.6	0.26 J	65 J	10.3	0.79	2.9	0.23 U	65 J	2.65	0.305 U	2.7 U
trans-1,2-Dichloroethene	ug/l	Push Point	unfiltered	0-38	111	15	13.5	0.23 J	117	13.4	1.3 J	32.6	0.15 U	117	1.94	0.095 U	1.8
trans-1,2-Dichloroethene	ug/l	Peeper	n/a	0-38	39	1	2.56	0.86	0.86	0.86	0.86	0.86	0.15 U	15 U	0.332	0.075 U	0.86
trans-1,2-Dichloroethene	ug/l	Push Point	unfiltered	>38	31	3	9.68	0.16 J	0.98 J	0.67	0.87	0.87	0.15 U	72 U	1.41	0.075 U	0.98 J
trans-1,3-Dichloropropene	ug/l	Push Point	unfiltered	0-38	111	0	0						0.044 U	4.5 U	0.0851	0.045 U	0.1 U
trans-1,3-Dichloropropene	ug/l	Peeper	n/a	0-38	39	0	0						0.09 U	9 U	0.189	0.045 U	0.09 U
trans-1,3-Dichloropropene	ug/l	Push Point	unfiltered	>38	31	0	0						0.09 U	45 U	0.842	0.045 U	0.09 U
Trichloroethene	ug/l	Push Point	unfiltered	0-38	111	22	19.8	0.14 J	88500	4030	0.81	48	0.062 U	88500	799	0.07 U	5.63
Trichloroethene	ug/l	Peeper	n/a	0-38	39	3	7.69	0.14 J	2300	767	0.24 J	0.24 J	0.14 U	2300	59.1	0.07 U	0.24 J
Trichloroethene	ug/l	Push Point	unfiltered	>38	31	12	38.7	0.15 J	7100	606	0.75	160	0.14 U	7100	235	0.07 U	3.9
Trichlorofluoromethane	ug/l	Push Point	unfiltered	0-38	111	0	0						0.081 U	6.6 U	0.258	0.07 U	0.5 U
Trichlorofluoromethane	ug/l	Peeper	n/a	0-38	39	0	0						0.14 U	14 U	0.29	0.07 U	0.135 UJ
Trichlorofluoromethane	ug/l	Push Point	unfiltered	>38	31	0	0						0.14 U	66 U	1.24	0.07 U	0.135 U
Vinyl acetate	ug/l	Push Point	unfiltered	0-38	4	0	0						0.36 UJ	0.36 UJ	0.18	0.18 UJ	0.18 UJ
Vinyl acetate	ug/l	Push Point	unfiltered	>38	1	1	100	4.8 J	4.8 J	4.8	4.8 J	4.8 J	4.8 J	4.8 J	4.8	4.8 J	4.8 J
Vinyl chloride	ug/l	Push Point	unfiltered	0-38	111	46	41.4	0.13 J	4300	199	1.6	625	0.042 U	4300	82.6	0.11 U	139
Vinyl chloride	ug/l	Peeper	n/a	0-38	39	11	28.2	0.07 J	170	16.2	0.28 J	5.6	0.042 U	170	4.66	0.021 U	2.65 U
Vinyl chloride	ug/l	Push Point	unfiltered	>38	31	10	32.3	0.06 J	1200	123	0.59	15	0.042 U	1200	39.7	0.11 U	8 J
Xylene	ug/l	Push Point	unfiltered	0-38	111	42	37.8	0.11 JT	443 T	33.6	1.58 T	105 T	0.11 JT	443 T	12.9	0.2 UT	68.8 T
Xylene	ug/l	Peeper	n/a	0-38	43	25	58.1	0.11 JT	10.6 T	1.74	0.59 JT	7.2 T	0.11 JT	22 UT	1.37	0.38 JT	7.2 T
Xylene	ug/l	Push Point	unfiltered	>38	31	18	58.1	0.14 JT	8.4 T	1.64	1.14 JT	4.3 T	0.14 JT	110 UT	2.95	0.51 JT	5.5 UT
Petroleum																	
Diesel Range Hydrocarbons	mg/l	Push Point	filtered	0-38	36	27	75	0.026 J	3.6 J	0.757	0.37 J	1.9 J	0.026 J	3.6 J	0.587	0.32 J	1.9 J
Diesel Range Hydrocarbons	mg/l	Push Point	unfiltered	0-38	38	30	78.9	0.21 J	6.1 J	1.07	0.53 J	3.3 J	0.022 U	6.1 J	0.859	0.44 J	3.3 J
Diesel Range Hydrocarbons	mg/l	Peeper	n/a	0-38	21	5	23.8	0.19 J	1.3 J	0.794	0.84 J	1 J	0.088 U	1.3 J	0.27	0.13 U	0.84 J
Diesel Range Hydrocarbons	mg/l	Push Point	filtered	>38	12	10	83.3	0.17 J	2.9 J	0.965	0.54 J	2.85 JT	0.17 J	2.9 J	0.826	0.44 J	2.85 JT
Diesel Range Hydrocarbons	mg/l	Push Point	unfiltered	>38	17	17	100	0.24 J	3.6 J	1.53	0.71 J	3.6 J	0.24 J	3.6 J	1.53	0.71 J	3.6 J
Gasoline Range Hydrocarbons	mg/l	Push Point	unfiltered	0-38	39	20	51.3	0.013 JT	4 J	0.629	0.05 JT	2.4	0.013 JT	4 J	0.336	0.034 U	1.9 J
Gasoline Range Hydrocarbons	mg/l	Peeper	n/a	0-38	24	10	41.7	0.019 J	1.1 J	0.506	0.23 JT	1.05 JT	0.013 U	1.1 J	0.235	0.041 J	0.9 J
Gasoline Range Hydrocarbons	mg/l	Push Point	unfiltered	>38	18	9	50	0.23 J	1.7 J	0.61	0.55 J	0.68 JT	0.024 U	1.7 J	0.348	0.125 U	0.68 JT
Residual Range Hydrocarbons	mg/l	Push Point	filtered	0-38	36	15	41.7	0.083 J	0.71 J	0.28	0.24 J	0.5 J	0.034 U	0.71 J	0.152	0.091 J	0.46 J
Residual Range Hydrocarbons	mg/l	Push Point	unfiltered	0-38	38	20	52.6	0.11 J	1.2 J	0.427	0.27 J	0.81 J	0.038 U	1.2 J	0.269	0.16 U	0.8 J
Residual Range Hydrocarbons	mg/l	Peeper	n/a	0-38	21	3	14.3	0.061 J	0.34 J	0.161	0.082 J	0.082 J	0.046 U	0.34 J	0.0582	0.039 U	0.082 J

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Table C1-12. Transition Zone Water Summary Statistics for All Analytes, differentiated by Sample Method, Filtration, and Sample Depth.

								Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	**Units**	**Sample Method**	**Filtration**	**Sample Depth**	**# Anlayzed**	**# Detected**	**% Detected**	**Minimum**	**Maximum**	**Mean**	**Median[a]**	**95th[a]**	**Minimum (full DL)**	**Maximum (full DL)**	**Mean (half DL)**	**Median[a] (half DL)**	**95th[a] (half DL)**
Residual Range Hydrocarbons	mg/l	Push Point	filtered	>38	12	8	66.7	0.042 J	0.38 J	0.176	0.088 J	0.32 JT	0.042 J	0.38 J	0.155	0.11 U	0.32 JT
Residual Range Hydrocarbons	mg/l	Push Point	unfiltered	>38	17	11	64.7	0.17 J	4.9 J	1.3	0.72 J	3.8 J	0.17 J	4.9 J	0.888	0.5 J	3.8 J
Total Petroleum Hydrocarbons	mg/l	Push Point	filtered	0-38	36	28	77.8	0.026 JT	4.1 JT	0.88	0.5 JT	2.33 JT	0.026 JT	4.1 JT	0.7	0.37 JT	2.33 JT
Total Petroleum Hydrocarbons	mg/l	Push Point	unfiltered	0-38	38	34	89.5	0.013 JT	11.3 JT	1.57	0.678 JT	5.6 JT	0.013 JT	11.3 JT	1.41	0.625 JT	5.6 JT
Total Petroleum Hydrocarbons	mg/l	Peeper	n/a	0-38	21	13	61.9	0.019 JT	2.35 JT	0.732	0.34 JT	1.86 JT	0.019 JT	2.35 JT	0.481	0.095 UT	1.54 JT
Total Petroleum Hydrocarbons	mg/l	Push Point	filtered	>38	12	12	100	0.042 JT	3.22 JT	0.921	0.54 JT	3.17 JT	0.042 JT	3.22 JT	0.921	0.54 JT	3.17 JT
Total Petroleum Hydrocarbons	mg/l	Push Point	unfiltered	>38	17	17	100	0.41 JT	7.4 JT	2.68	1.69 JT	7.1 JT	0.41 JT	7.4 JT	2.68	1.69 JT	7.1 JT

Notes:
[a] - This value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the rand of the closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
G - Estimate is greater than value shown.
J - The associated numerical value is an estimated quant
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Conventionals														
Peristaltic Pump Samples														
Dissolved organic carbon	mg/l	74	74	100	1.1	2.0	1.4	1.4	1.7	1.1	2.0	1.4	1.4	1.7
Hardness as $CaCO_3$	mg/l	74	74	100	22.5	54.5 T	30.3	29.4	45.4	22.5	54.5 T	30.3	29.4	45.4
Perchlorate	µg/l	6	5	83.3	0.90 J	15.7 T	4.6	1.7 J	3.3 JT	0.90 J	15.7 T	3.9	1.3 J	3.3 JT
Total dissolved solids	mg/l	74	74	100	47.0	105	72.6	71.5 T	95.0 T	47.0	105	72.6	71.5 T	95.0 T
Total organic carbon	mg/l	74	74	100	1.4 T	2.4	1.8	1.8	2.2	1.4 T	2.4	1.8	1.8	2.2
Total suspended solids	mg/l	74	49	66.2	3.0 J	25.0 J	8.2	7.0 J	15.0 J	3.0 J	25.0 J	6.3	5.5 T	14.0 T
Metals														
Peristaltic Pump Samples														
Aluminum	mg/l	49	49	100	0.041	0.65	0.17	0.16	0.31	0.041	0.65	0.17	0.16	0.31
Aluminum (dissolved)	mg/l	49	24	49	0.0021	0.043	0.0048	0.0027	0.0054	0.00090 U	0.043	0.0030	0.0017 UJ	0.0043
Antimony	mg/l	74	44	59.5	0.000020 J	0.00013 T	0.000048	0.000040 JT	0.000080	0.000020 UT	0.00013 T	0.000034	0.000030 J	0.000080
Antimony (dissolved)	mg/l	74	39	52.7	0.000020 J	0.00011	0.000045	0.000040 J	0.00010	0.000020 U	0.00011	0.000029	0.000030 J	0.000050 J
Arsenic	mg/l	74	74	100	0.00033 T	0.00075 T	0.00045	0.00044	0.00056	0.00033 T	0.00075 T	0.00045	0.00044	0.00056
Arsenic (dissolved)	mg/l	74	74	100	0.00025	0.00064	0.00038	0.00037	0.00049	0.00025	0.00064	0.00038	0.00037	0.00049
Cadmium	mg/l	74	30	40.5	0.0000080 T	0.000050	0.000027	0.000030 T	0.000050 T	0.0000080 T	0.000070 U	0.000019	0.000014 U	0.000035 U
Cadmium (dissolved)	mg/l	74	20	27.0	0.000010 J	0.000030	0.000025	0.000020	0.000030	0.0000080 U	0.000050 U	0.000015	0.000010 U	0.000030
Chromium	mg/l	74	52	70.3	0.00020 JT	0.00091	0.00038	0.00033 T	0.00061	0.00020 JT	0.00091	0.00033	0.00030	0.00060
Chromium (dissolved)	mg/l	74	42	56.8	0.00010 J	0.00033	0.00018	0.00016 J	0.00028	0.00010 J	0.00033	0.00014	0.00012 U	0.00026
Chromium hexavalent	mg/l	6	0	0						0.0070 U	0.020 UT	0.0078	0.010 UT	0.010 U
Copper	mg/l	74	74	100	0.00069 T	0.0021	0.0011	0.0010	0.0017 J	0.00069 T	0.0021	0.0011	0.0010	0.0017 J
Copper (dissolved)	mg/l	74	72	97.3	0.00037	0.0016 J	0.00070	0.00066	0.00095	0.00037	0.0016 J	0.00069	0.00065	0.00095
Lead	mg/l	74	74	100	0.000077	0.0018	0.00024	0.00016 T	0.00047 T	0.000077	0.0018	0.00024	0.00016 T	0.00047 T
Lead (dissolved)	mg/l	74	60	81.1	0.0000090 J	0.00015	0.000026	0.000020 J	0.000060	0.0000090 U	0.00015	0.000022	0.000015 J	0.000047
Mercury	mg/l	74	0	0						0.000040 UJT	0.000080 UJ	0.000027	0.000020 U	0.000040 U
Mercury (dissolved)	mg/l	74	0	0						0.000040 UJ	0.000080 UJ	0.000027	0.000020 U	0.000040 U
Nickel	mg/l	74	66	89.2	0.00056 T	0.0015	0.00089	0.00079 T	0.0013 T	0.00056 T	0.0015	0.00084	0.00075	0.0013 T
Nickel (dissolved)	mg/l	74	56	75.7	0.00043	0.0011	0.00075	0.00071	0.0011	0.00043	0.0011	0.00064	0.00063	0.0011
Selenium	mg/l	74	52	70.3	0.00010 J	0.00090 J	0.00038	0.00040 T	0.00080 J	0.00010 UJ	0.00090 J	0.00031	0.00030 T	0.00070 J
Selenium (dissolved)	mg/l	74	49	66.2	0.00010 J	0.0010	0.00036	0.00030 J	0.00070 J	0.00010 J	0.0010	0.00028	0.00020 J	0.00070 J
Silver	mg/l	74	1	1.4	0.000025	0.000025	0.000025	0.000025	0.000025	0.0000050 U	0.000052 U	0.0000051	0.0000045 U	0.000013 U
Silver (dissolved)	mg/l	74	1	1.4	0.000061	0.000061	0.000061	0.000061	0.000061	0.0000050 U	0.000061	4.7E-06	0.0000045 U	0.0000045 U
Thallium	mg/l	25	8	32.0	0.0000040 J	0.000032 JT	0.000012	0.0000060 J	0.000025	0.0000040 J	0.000032 JT	5.2E-06	0.0000020 U	0.000013 J
Thallium (dissolved)	mg/l	25	0	0						0.0000040 U	0.0000040 U	0.0000020	0.0000020 U	0.0000020 UJ
Zinc	mg/l	74	73	98.6	0.0017 T	0.058	0.0037	0.0026	0.0050	0.0017 T	0.058	0.0036	0.0026	0.0050
Zinc (dissolved)	mg/l	74	67	90.5	0.00090	0.042	0.0027	0.0018	0.0043	0.00090	0.042	0.0025	0.0018	0.0043
Butyltins														
Peristaltic Pump Samples														
Butyltin ion	µg/l	74	7	9.5	0.0020 J	0.020 J	0.0068	0.0030 J	0.015 J	0.0017 U	0.040 U	0.0050	0.0024 U	0.018 U
Dibutyltin ion	µg/l	74	12	16.2	0.00061 J	0.0073 J	0.0015	0.00080 J	0.0019 J	0.00055 U	0.0073 J	0.0012	0.00029 UJ	0.0025 U
Tributyltin ion	µg/l	74	6	8.1	0.00095 J	0.0023 J	0.0013	0.0011 J	0.0012 J	0.00060 U	0.0071 U	0.0015	0.00030 U	0.0036 U
Tetrabutyltin	µg/l	74	0	0						0.0015 U	0.0032 U	0.0010	0.00075 U	0.0016 U
Polycyclic Aromatic Hydrocarbons														
Peristaltic Pump Samples														
2-Methylnaphthalene	µg/l	74	6	8.1	0.0054 J	0.22	0.051	0.0068 J	0.062	0.0027 U	0.22	0.0070	0.0027 U	0.0068 J
Acenaphthene	µg/l	74	6	8.1	0.0034 J	0.21	0.047	0.0071 J	0.038	0.0020 U	0.21	0.0058	0.0020 U	0.0071 J
Acenaphthylene	µg/l	74	17	23.0	0.0023 J	0.043	0.0082	0.0050 J	0.012 J	0.0018 U	0.043	0.0038	0.0018 U	0.0091 J
Anthracene	µg/l	74	9	12.2	0.0011 J	0.072	0.011	0.0022 J	0.011 J	0.0011 U	0.072	0.0025	0.0011 U	0.0034 J
Benzo(a)anthracene	µg/l	74	12	16.2	0.0028 J	0.11	0.016	0.0065 J	0.019	0.0021 U	0.11	0.0044	0.0021 U	0.010 J
Benzo(a)pyrene	µg/l	74	7	9.5	0.0024 J	0.15	0.027	0.0040 J	0.020	0.0016 U	0.15	0.0041	0.0016 U	0.0040 J
Benzo(b)fluoranthene	µg/l	74	7	9.5	0.0028 J	0.11	0.023	0.0080 J	0.021	0.0020 U	0.11	0.0040	0.0020 U	0.0040 J
Benzo(g,h,i)perylene	µg/l	74	3	4.1	0.010 J	0.14	0.057	0.020	0.020	0.0037 U	0.14	0.0060	0.0037 U	0.0075 U
Benzo(k)fluoranthene	µg/l	74	8	10.8	0.0017 J	0.10	0.017	0.0060 J	0.0080 J	0.0014 U	0.10	0.0031	0.0014 U	0.0060 J
Chrysene	µg/l	74	25	33.8	0.0020 J	0.19	0.013	0.0037 J	0.0089 J	0.0013 U	0.19	0.0052	0.0013 U	0.0077 J
Dibenzo(a,h)anthracene	µg/l	74	3	4.1	0.0044 J	0.011 J	0.0075	0.0072 J	0.0072 J	0.0017 U	0.011 J	0.0019	0.0017 U	0.0033 U
Fluoranthene	µg/l	74	33	44.6	0.0026 J	0.40	0.027	0.013 J	0.049	0.0024 U	0.40	0.014	0.0048 U	0.021
Fluorene	µg/l	74	6	8.1	0.0028 J	0.063	0.020	0.0070 J	0.021	0.0026 U	0.063	0.0041	0.0026 U	0.0065 J
High Molecular Weight PAH	µg/l	74	48	64.9	0.0026 JT	1.8 JT	0.065	0.018 JT	0.075 JT	0.0026 JT	1.8 JT	0.044	0.0089 JT	0.072 JT
Indeno(1,2,3-cd)pyrene	µg/l	74	6	8.1	0.0048 J	0.11	0.026	0.0057 J	0.019	0.0021 U	0.11	0.0041	0.0021 U	0.0055 J
Low Molecular Weight PAH	µg/l	74	29	39.2	0.0013 JT	1.1 T	0.075	0.0078 JT	0.15 JT	0.0013 JT	1.1 T	0.032	0.0038 JT	0.024 UT
Naphthalene	µg/l	74	4	5.4	0.0065 J	0.77	0.23	0.0068 J	0.13	0.0032 UJ	0.77	0.018	0.0032 U	0.024 U
Phenanthrene	µg/l	74	5	6.8	0.0071 J	0.17	0.064	0.039	0.096	0.0032 U	0.17	0.0075	0.0032 U	0.0071 J
Pyrene	µg/l	74	41	55.4	0.0031 J	0.45	0.022	0.0083 J	0.017	0.0023 U	0.45	0.014	0.0048 J	0.016 J
Total PAHs	µg/l	74	53	71.6	0.0026 JT	2.5 JT	0.10	0.021 JT	0.080 JT	0.0026 JT	2.5 JT	0.073	0.012 JT	0.078 JT
XAD Column Samples														
2-Methylnaphthalene	pg/l	24	24	100	1630	24100	5240	3620	10900	1630	24100	5240	3620	10900
Acenaphthene	pg/l	24	24	100	207	26200	3980	1490	10500	207	26200	3980	1490	10500
Acenaphthylene	pg/l	24	19	79.2	282	1730	714	549	1410	277 U	1730	607	495	1380
Anthracene	pg/l	24	16	66.7	278	3210	1020	486	2150	164 U	3210	744	360 U	1870

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(a)anthracene	pg/l	24	24	100	52.0 J	2360	365	164	633	52.0 J	2360	365	164	633
Benzo(a)pyrene	pg/l	24	16	66.7	18.3 J	336	73.2	37.9 J	143 J	16.9 U	336	60.6	36.7 J	125 J
Benzo(b+j)fluoranthene	pg/l	24	21	87.5	20.6 J	758	137	50.3 J	211	20.6 J	758	125	47.9 J	211
Benzo(g,h,i)perylene	pg/l	24	9	37.5	31.3 J	136 J	67.6	54.4 J	96.9 J	9.6 U	136 J	32.1	12.45 U	83.5 J
Benzo(k)fluoranthene	pg/l	24	17	70.8	15.7 J	795	145	37.8 J	526	15.5 U	795	107	27.8 J	476
Chrysene	pg/l	24	24	100	94.5 J	4990	690	303	1000	94.5 J	4990	690	303	1000
Dibenzo(a,h)anthracene	pg/l	24	2	8.3	25.5 J	45.4 J	35.5	25.5 J	25.5 J	5.5 U	60.2 U	18.0	16.5 U	30.0 U
Fluoranthene	pg/l	24	24	100	416	37500	4610	1680	7480	416	37500	4610	1680	7480
Fluorene	pg/l	24	24	100	414	12100	2550	1290	4720	414	12100	2550	1290	4720
High Molecular Weight PAH	pg/l	24	24	100	1040 JT	71906 JT	9740	4530 JT	15700 JT	1040 JT	71906 JT	9740	4530 JT	15700 JT
Indeno(1,2,3-cd)pyrene	pg/l	24	1	4.2	62.1 J	62.1 J	62.1	62.1 J	62.1 J	13.7 U	92.7 U	20.9	16.6 U	42.7 UJ
Low Molecular Weight PAH	pg/l	24	24	100	3320 T	97260 T	24500	17490 T	49520 T	3320 T	97260 T	24500	17490 T	49520 T
Naphthalene	pg/l	24	10	41.7	6850	34500	16700	15300	27600	3620 U	34500	9200	5350 U	18000
Phenanthrene	pg/l	24	24	100	788	30900	4540	1970	10800	788	30900	4540	1970	10800
Pyrene	pg/l	24	24	100	432	25300	3780	1960	6530	432	25300	3780	1960	6530
Total PAHs	pg/l	24	24	100	4370 JT	169166 JT	34200	21700 JT	65500 JT	4370 JT	169166 JT	34200	21700 JT	65500 JT
XAD Filter Samples														
2-Methylnaphthalene	pg/l	24	1	4.2	5380	5380	5380	5380	5380	52.8 U	5380	383	146 U	345 U
Acenaphthene	pg/l	24	3	12.5	219	664	380	257	257	20.7 U	664	90.6	51.5 U	219
Acenaphthylene	pg/l	24	1	4.2	331	331	331	331	331	76.6 U	1120 U	131	79.5 U	331
Anthracene	pg/l	24	12	50.0	176	1550	593	428	1430	126 U	1550	347	169 U	799
Benzo(a)anthracene	pg/l	24	19	79.2	215	3770	952	535	2780	159 U	3770	776	458	2070
Benzo(a)pyrene	pg/l	24	17	70.8	275	6300	1330	755	2890	185 U	6300	985	555	2570
Benzo(b+j)fluoranthene	pg/l	24	22	91.7	267	6010	1270	683	3210	240 U	6010	1170	621	3210
Benzo(g,h,i)perylene	pg/l	24	22	91.7	267	7510	1240	719	2940	267	7510	1150	541	2940
Benzo(k)fluoranthene	pg/l	24	23	95.8	181	5430	964	530	2430	173 U	5430	928	461	2430
Chrysene	pg/l	24	21	87.5	297	8110	1620	878	4260	293 U	8110	1430	789	4260
Dibenzo(a,h)anthracene	pg/l	24	7	29.2	101 J	865	375	337	542	37.5 U	865	140	45.1 U	509
Fluoranthene	pg/l	24	18	75.0	603	6810	2030	1380	6120	416 U	6810	1620	931	3600
Fluorene	pg/l	24	13	54.2	31.6 J	2180	322	192	321	31.6 J	2180	201	88 U	278
High Molecular Weight PAH	pg/l	24	24	100	482 T	59035 T	10600	5350 T	30422 T	482 T	59035 T	10600	5350 T	30422 T
Indeno(1,2,3-cd)pyrene	pg/l	24	24	100	185	6080	922	410	2430	185	6080	922	410	2430
Low Molecular Weight PAH	pg/l	24	15	62.5	31.6 JT	13400 T	2050	1037 T	4090 T	31.6 JT	13400 T	1440	505 UT	2976 T
Naphthalene	pg/l	24	6	25.0	742	1010	870	836	930	155 U	6670 U	634	505 U	930
Phenanthrene	pg/l	24	3	12.5	1290	3640	2450	2420	2420	198 U	3640	641	411 U	1290
Pyrene	pg/l	24	15	62.5	1010	8150	2780	1870	6410	470 U	8150	1910	1100	4480
Total PAHs	pg/l	24	24	100	482 T	61930 T	11900	5630 JT	34800 T	482 T	61930 T	11900	5630 JT	34800 T
Phthalate Esters														
Peristaltic Pump Samples														
Bis(2-ethylhexyl) phthalate	µg/l	73	0	0						0.27 U	4.1 U	0.27	0.15 U	0.65 U
Butylbenzyl phthalate	µg/l	73	1	1.4	0.027 J	0.027 J	0.027	0.027 J	0.027 J	0.026 U	0.053 U	0.014	0.014 U	0.015 U
Dibutyl phthalate	µg/l	73	0	0						0.039 U	0.29 U	0.055	0.050 U	0.10 U
Diethyl phthalate	µg/l	73	0	0						0.026 U	0.11 U	0.023	0.023 U	0.038 U
Dimethyl phthalate	µg/l	73	0	0						0.013 U	0.015 U	0.0068	0.0070 U	0.0070 U
Di-n-octyl phthalate	µg/l	73	0	0						0.032 U	0.036 U	0.017	0.017 U	0.018 U
XAD Column Samples														
Bis(2-ethylhexyl) phthalate	pg/l	24	8	33.3	3510 J	19800	8840	4350 J	17100	3120 U	19800	4360	2470 U	12100
Butylbenzyl phthalate	pg/l	24	8	33.3	889 J	7330	2230	1440 J	2060	512 U	7330	1050	535 U	1990
Dibutyl phthalate	pg/l	24	9	37.5	1490 J	5980 J	2260	1800 J	2170 J	975 U	5980 J	1260	715 U	1950 J
Diethyl phthalate	pg/l	24	9	37.5	1240 J	6650	2470	2130	2480	674 U	6650	1210	540 U	2330
Dimethyl phthalate	pg/l	24	1	4.2	4830	4830	4830	4830	4830	262 U	4830	425	267 U	316 U
Di-n-octyl phthalate	pg/l	24	2	8.3	116 J	142 J	129	116 J	116 J	75.9 U	323 U	82.1	75.0 U	123 U
XAD Filter Samples														
Bis(2-ethylhexyl) phthalate	pg/l	24	8	33.3	4240 J	33000	8630	5200 J	5930 J	2570 U	33000	4940	3465 U	5890 J
Butylbenzyl phthalate	pg/l	24	1	4.2	2170	2170	2170	2170	2170	25.4 U	2170	232	135.5 U	326 U
Dibutyl phthalate	pg/l	24	0	0						12.6 U	801 U	181	183.5 U	254 U
Diethyl phthalate	pg/l	24	0	0						82.4 U	299 U	82.0	64.5 U	130 U
Dimethyl phthalate	pg/l	24	1	4.2	34.4 J	34.4 J	34.4	34.4 J	34.4 J	5.1 U	194 U	33.3	26.5 U	54.0 U
Di-n-octyl phthalate	pg/l	24	0	0						102 U	1970 U	168	105 U	481 U
Semivolatile Organic Compounds														
Peristaltic Pump Samples														
1,2,4-Trichlorobenzene	µg/l	73	0	0						0.016 U	0.018 U	0.0082	0.0080 U	0.0085 U
1,2-Dichlorobenzene	µg/l	73	0	0						0.015 U	0.016 U	0.0076	0.0075 U	0.0080 U
1,3-Dichlorobenzene	µg/l	73	0	0						0.011 U	0.012 U	0.0058	0.0060 U	0.0060 U
1,4-Dichlorobenzene	µg/l	73	1	1.4	0.019 J	0.019 J	0.019	0.019 J	0.019 J	0.014 U	0.019 J	0.0073	0.0070 U	0.0075 U
2,4-Dinitrotoluene	µg/l	73	0	0						0.020 U	0.022 U	0.010	0.010 U	0.011 U
2,6-Dinitrotoluene	µg/l	73	0	0						0.0088 U	0.0099 U	0.0046	0.0046 U	0.0048 U
2-Chloronaphthalene	µg/l	73	0	0						0.016 U	0.017 U	0.0081	0.0080 U	0.0085 U
2-Nitroaniline	µg/l	73	0	0						0.015 U	0.017 U	0.0078	0.0080 U	0.0080 U
3,3'-Dichlorobenzidine	µg/l	71	0	0						0.43 U	0.49 U	0.22	0.23 U	0.24 U
3-Nitroaniline	µg/l	73	0	0						0.23 U	0.26 U	0.12	0.12 U	0.13 U

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
4-Bromophenyl phenyl ether	µg/l	73	0	0						0.018 U	0.020 U	0.0093	0.0095 U	0.010 U
4-Chloroaniline	µg/l	72	0	0						0.018 U	0.020 U	0.0093	0.0095 U	0.0095 U
4-Chlorophenyl phenyl ether	µg/l	73	0	0						0.0085 U	0.0095 U	0.0044	0.0044 U	0.0046 U
4-Nitroaniline	µg/l	73	0	0						0.17 U	0.19 U	0.087	0.085 U	0.090 U
Aniline	µg/l	65	0	0						1.0 U	1.2 U	0.53	0.55 U	0.55 U
Azobenzene	µg/l	73	0	0						0.012 U	0.014 U	0.0064	0.0065 U	0.0065 U
Benzoic acid	µg/l	71	4	5.6	1.8 J	2.2 J	2.1	2.0 J	2.2 J	1.8 U	2.2 J	0.99	0.95 U	1.1 U
Benzyl alcohol	µg/l	73	0	0						0.98 U	1.1 U	0.53	0.55 U	0.55 U
Bis(2-chloroethoxy) methane	µg/l	73	0	0						0.012 U	0.013 U	0.0061	0.0060 U	0.0065 U
Bis(2-chloroethyl) ether	µg/l	73	0	0						0.015 U	0.016 U	0.0076	0.0075 U	0.0080 U
Bis(2-chloroisopropyl) ether	µg/l	73	0	0						0.017 U	0.019 U	0.0089	0.0090 U	0.0095 U
Carbazole	µg/l	73	3	4.1	0.024 J	0.060 J	0.038	0.030 J	0.030 J	0.013 U	0.060 J	0.0081	0.0070 U	0.0070 U
Dibenzofuran	µg/l	74	0	0						0.0071 U	0.029 U	0.0077	0.0075 U	0.015 U
Hexachlorobenzene	µg/l	74	6	8.1	0.00091 J	0.0070	0.0030	0.0013 J	0.0056	0.00047 U	0.016 U	0.0027	0.00026 U	0.0080 U
Hexachlorobutadiene	µg/l	73	1	1.4	0.0026	0.0026	0.0026	0.0026	0.0026	0.00047 UJ	0.022 U	0.0032	0.00025 U	0.011 U
Hexachlorocyclopentadiene	µg/l	72	0	0						0.041 U	0.046 U	0.021	0.022 U	0.023 U
Hexachloroethane	µg/l	74	0	0						0.00047 UJ	0.021 U	0.0033	0.00025 U	0.010 U
Isophorone	µg/l	73	1	1.4	0.018 J	0.018 J	0.018	0.018 J	0.018 J	0.0085 U	0.018 J	0.0046	0.0044 U	0.0047 U
Nitrobenzene	µg/l	73	0	0						0.0074 U	0.0084 U	0.0039	0.0039 U	0.0041 U
N-Nitrosodimethylamine	µg/l	73	0	0						0.42 U	0.48 U	0.22	0.22 U	0.23 U
N-Nitrosodiphenylamine	µg/l	73	0	0						0.028 U	0.032 U	0.015	0.015 U	0.016 U
N-Nitrosodipropylamine	µg/l	73	0	0						0.033 U	0.037 U	0.017	0.017 U	0.018 U
Phenols														
Peristaltic Pump Samples														
2,3,4,6-Tetrachlorophenol	µg/l	48	0	0						1.0 U	1.2 U	0.55	0.55 U	0.55 U
2,4,5-Trichlorophenol	µg/l	73	0	0						0.026 U	0.029 U	0.013	0.014 U	0.014 U
2,4,6-Trichlorophenol	µg/l	73	0	0						0.037 U	0.042 U	0.019	0.020 U	0.020 U
2,4-Dichlorophenol	µg/l	73	0	0						0.024 U	0.027 U	0.012	0.013 U	0.013 U
2,4-Dimethylphenol	µg/l	73	0	0						0.32 U	0.36 U	0.17	0.17 U	0.18 U
2,4-Dinitrophenol	µg/l	73	0	0						0.53 U	0.60 U	0.28	0.28 U	0.29 U
2-Chlorophenol	µg/l	73	0	0						0.015 U	0.017 U	0.0078	0.0080 U	0.0080 U
2-Methylphenol	µg/l	73	0	0						0.060 U	0.067 U	0.031	0.031 U	0.033 U
2-Nitrophenol	µg/l	73	0	0						0.014 U	0.016 U	0.0072	0.0070 U	0.0075 U
4,6-Dinitro-2-methylphenol	µg/l	73	0	0						0.013 U	0.015 U	0.0069	0.0070 U	0.0075 U
4-Chloro-3-methylphenol	µg/l	73	7	9.6	0.068 J	0.65	0.19	0.082 J	0.32 J	0.029 U	0.68 U	0.052	0.016 U	0.21 U
4-Methylphenol	µg/l	73	0	0						0.051 U	0.058 U	0.027	0.027 U	0.028 U
4-Nitrophenol	µg/l	73	0	0						0.54 U	0.60 U	0.28	0.28 U	0.30 U
Pentachlorophenol	µg/l	73	0	0						0.029 U	0.061 U	0.015	0.015 U	0.016 U
Phenol	µg/l	73	6	8.2	0.051 J	0.17 J	0.080	0.064 J	0.067 J	0.020 U	0.33 U	0.019	0.011 U	0.064 J
PCB Aroclors														
Peristaltic Pump Samples														
Aroclor 1016	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Aroclor 1221	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Aroclor 1232	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Aroclor 1242	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Aroclor 1248	µg/l	53	5	9.4	0.0021 J	0.0071 J	0.0039	0.0036 J	0.0046	0.0013 UJ	0.0071 J	0.0010	0.00063 U	0.0022
Aroclor 1254	µg/l	53	6	11.3	0.0024	0.0066	0.0041	0.0027 J	0.0064	0.0013 UJ	0.0066	0.0010	0.00063 U	0.0027 J
Aroclor 1260	µg/l	53	1	1.9	0.013	0.013	0.013	0.013	0.013	0.0025 UJ	0.013	0.0015	0.0013 U	0.0013 U
Aroclor 1262	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Aroclor 1268	µg/l	53	0	0						0.0025 UJ	0.0027 U	0.0013	0.0013 U	0.0013 U
Total PCB Aroclors	µg/l	53	6	11.3	0.0047 JT	0.015 T	0.0095	0.0063 JT	0.014 JT	0.0025 UJT	0.015 T	0.0022	0.0013 UT	0.0063 JT
XAD Column Samples														
Aroclor 1016	pg/l	24	0	0						0.011 U	0.48 U	0.038	0.014 U	0.085 U
Aroclor 1221	pg/l	24	0	0						0.0052 U	0.25 U	0.020	0.0073 U	0.044 U
Aroclor 1232	pg/l	24	0	0						0.011 U	0.19 U	0.022	0.013 U	0.045 U
Aroclor 1242	pg/l	24	15	62.5	12.5 NJ	513 NJ	83.8	56.9 NJ	122 NJ	0.012 U	513 NJ	52.4	32.4 NJ	72.6 NJ
Aroclor 1248	pg/l	24	9	37.5	107 NJ	1420 NJ	637	380 NJ	1270 NJ	0.039 U	1420 NJ	239	0.066 U	1190 NJ
Aroclor 1254	pg/l	24	15	62.5	12.7 NJ	236 NJ	78.6	67.9 NJ	180 NJ	0.047 U	236 NJ	49.1	34.7 NJ	99.2 NJ
Aroclor 1260	pg/l	24	24	100	2.6 NJ	333 NJ	50.3	19.9 NJ	132 NJ	2.6 NJ	333 NJ	50.3	19.9 NJ	132 NJ
Total PCB Aroclors	pg/l	24	24	100	27.8 JT	1603 JT	391	169 JT	1436 JT	27.8 JT	1603 JT	391	169 JT	1436 JT
XAD Filter Samples														
Aroclor 1016	pg/l	23	0	0						0.0060 U	0.21 U	0.032	0.013 U	0.095 U
Aroclor 1221	pg/l	23	0	0						0.0054 U	0.11 U	0.016	0.0069 U	0.049 U
Aroclor 1232	pg/l	23	0	0						0.012 U	0.055 U	0.013	0.011 U	0.019 U
Aroclor 1242	pg/l	23	15	65.2	4.1 NJ	570 NJ	49.1	8.6 NJ	38.3 NJ	0.0067 U	570 NJ	32.0	7.3 NJ	21.1 NJ
Aroclor 1248	pg/l	23	8	34.8	91.7 NJ	1850 NJ	607	300 NJ	1300 NJ	0.040 U	1850 NJ	211	0.050 U	495 NJ
Aroclor 1254	pg/l	23	15	65.2	21.9 NJ	331 NJ	99.7	62.6 NJ	302 NJ	0.039 U	331 NJ	65.0	38.4 NJ	145 NJ
Aroclor 1260	pg/l	23	23	100	23.5 NJ	8100 NJ	872	148 NJ	2140 NJ	23.5 NJ	8100 NJ	872	148 NJ	2140 NJ
Total PCB Aroclors	pg/l	23	23	100	49.5 JT	9950 JT	1180	251 JT	2620 JT	49.5 JT	9950 JT	1180	251 JT	2620 JT
PCB Congeners														
XAD Column Samples														

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB001	pg/l	24	24	100	0.29	3.0	1.0	0.81	1.8	0.29	3.0	1.0	0.81	1.8
PCB002	pg/l	24	24	100	0.13	0.49	0.27	0.24	0.38	0.13	0.49	0.27	0.24	0.38
PCB003	pg/l	24	24	100	0.20	1.2	0.48	0.38	0.85	0.20	1.2	0.48	0.38	0.85
PCB004	pg/l	24	24	100	2.7	332	48.2	17.1	135	2.7	332	48.2	17.1	135
PCB005	pg/l	24	17	70.8	0.017 J	0.91	0.092	0.042	0.068	0.017 J	0.91	0.079	0.040 U	0.068
PCB006	pg/l	24	24	100	0.17	8.0	1.1	0.55	1.6	0.17	8.0	1.1	0.55	1.6
PCB007	pg/l	24	13	54.2	0.098	1.4	0.33	0.23	0.64	0.043 U	1.4	0.21	0.098	0.33
PCB008	pg/l	24	24	100	0.67	39.0	3.8	1.8	4.5	0.67	39.0	3.8	1.8	4.5
PCB009	pg/l	24	23	95.8	0.056	2.5	0.33	0.20	0.46	0.056	2.5	0.31	0.19	0.46
PCB010	pg/l	24	24	100	0.080	17.5	2.5	0.63	7.9	0.080	17.5	2.5	0.63	7.9
PCB011	pg/l	24	24	100	3.0	30.2	13.5	13.8	21.0	3.0	30.2	13.5	13.8	21.0
PCB012 & 013	pg/l	24	19	79.2	0.093	2.6	0.68	0.43	2.2	0.093	2.6	0.59	0.34	1.4
PCB014	pg/l	24	1	4.2	0.017 J	0.017 J	0.017	0.017 J	0.017 J	0.011 U	0.19 U	0.022	0.015 U	0.034 U
PCB015	pg/l	24	24	100	0.38	17.9	2.7	1.8	4.0	0.38	17.9	2.7	1.8	4.0
PCB016	pg/l	24	24	100	0.44	21.7	3.1	1.9	5.0	0.44	21.7	3.1	1.9	5.0
PCB017	pg/l	24	24	100	0.71	85.5	13.5	5.3	40.7	0.71	85.5	13.5	5.3	40.7
PCB018 & 030	pg/l	24	24	100	0.98	42.6	7.9	5.5	14.1	0.98	42.6	7.9	5.5	14.1
PCB019	pg/l	24	24	100	2.1	564	79.4	17.3	317	2.1	564	79.4	17.3	317
PCB020 & 028	pg/l	24	24	100	1.3	46.2	8.6	5.8	14.1	1.3	46.2	8.6	5.8	14.1
PCB021 & 033	pg/l	24	24	100	0.48	28.5	3.5	1.9	5.8	0.48	28.5	3.5	1.9	5.8
PCB022	pg/l	24	24	100	0.44	19.6	2.6	1.6	5.0	0.44	19.6	2.6	1.6	5.0
PCB023	pg/l	24	13	54.2	0.0053 J	0.10	0.029	0.019 J	0.080	0.0041 U	0.10	0.021	0.012 U	0.041
PCB024	pg/l	24	17	70.8	0.017 J	0.80	0.14	0.080	0.26	0.017 J	0.80	0.11	0.048	0.26
PCB025	pg/l	24	24	100	0.12	6.6	1.6	0.90	5.1	0.12	6.6	1.6	0.90	5.1
PCB026 & 029	pg/l	24	24	100	0.26	9.3	2.4	1.6	6.0	0.26	9.3	2.4	1.6	6.0
PCB027	pg/l	24	24	100	0.18	47.3	6.9	1.9	28.3	0.18	47.3	6.9	1.9	28.3
PCB031	pg/l	24	24	100	1.2	43.2	6.9	5.2	11.3	1.2	43.2	6.9	5.2	11.3
PCB032	pg/l	24	24	100	0.39	25.2	5.8	3.6	16.0	0.39	25.2	5.8	3.6	16.0
PCB034	pg/l	24	22	91.7	0.0067 J	0.23	0.069	0.047	0.16	0.0067 J	0.23	0.066	0.046	0.16
PCB035	pg/l	24	22	91.7	0.037	0.65	0.16	0.13	0.29	0.037	0.65	0.15	0.12	0.29
PCB036	pg/l	24	13	54.2	0.0060 J	0.070	0.033	0.027	0.069	0.0060 J	0.071 U	0.025	0.019 U	0.062
PCB037	pg/l	24	24	100	0.25	9.6	1.5	1.0	2.7	0.25	9.6	1.5	1.0	2.7
PCB038	pg/l	24	18	75.0	0.011 J	0.29	0.067	0.036	0.20	0.0059 U	0.29	0.053	0.022 J	0.17
PCB039	pg/l	24	13	54.2	0.019 J	0.23	0.085	0.059	0.23	0.019 J	0.23	0.064	0.042 U	0.14
PCB040 & 041 & 071	pg/l	24	24	100	0.66	20.5	6.8	4.7	15.5	0.66	20.5	6.8	4.7	15.5
PCB042	pg/l	24	24	100	0.27	9.2	2.6	2.0	4.5	0.27	9.2	2.6	2.0	4.5
PCB043	pg/l	24	23	95.8	0.12	5.8	1.2	0.43	4.0	0.033 U	5.8	1.1	0.42	4.0
PCB044 & 047 & 065	pg/l	24	24	100	1.6	172	35.4	12.5	139	1.6	172	35.4	12.5	139
PCB045 & 051	pg/l	24	24	100	0.43	83.8	15.6	4.6	71.5	0.43	83.8	15.6	4.6	71.5
PCB046	pg/l	24	24	100	0.086	5.7	1.5	1.0	4.9	0.086	5.7	1.5	1.0	4.9
PCB048	pg/l	24	24	100	0.18	5.7	1.7	1.2	2.7	0.18	5.7	1.7	1.2	2.7
PCB049 & 069	pg/l	24	24	100	0.98	56.8	14.7	7.8	49.7	1.0	56.8	14.7	7.8	49.7
PCB050 & 053	pg/l	24	24	100	0.57	91.3	16.7	5.4	73.2	0.57	91.3	16.7	5.4	73.2
PCB052	pg/l	24	24	100	2.1	67.2	21.0	14.2	56.5	2.1	67.2	21.0	14.2	56.5
PCB054	pg/l	24	24	100	0.20	62.5	10.0	1.9	50.8	0.20	62.5	10.0	1.9	50.8
PCB055	pg/l	24	10	41.7	0.023 J	0.26	0.090	0.045	0.24	0.023 J	0.26	0.052	0.018 U	0.10 U
PCB056	pg/l	24	24	100	0.36	12.7	2.5	1.7	5.3	0.36	12.7	2.5	1.7	5.3
PCB057	pg/l	24	18	75.0	0.012 J	1.7	0.28	0.069	0.97	0.012 J	1.7	0.22	0.041 U	0.82
PCB058	pg/l	24	13	54.2	0.011 J	1.4	0.24	0.032	0.83	0.011 J	1.4	0.15	0.057 U	0.52
PCB059 & 062 & 075	pg/l	24	24	100	0.10	13.0	2.6	1.0	10.6	0.10	13.0	2.6	1.0	10.6
PCB060	pg/l	24	24	100	0.18	5.4	1.1	0.72	2.2	0.18	5.4	1.1	0.72	2.2
PCB061 & 070 & 074 & 076	pg/l	24	24	100	1.7	32.8	9.2	7.7	16.5	1.7	32.8	9.2	7.7	16.5
PCB063	pg/l	24	23	95.8	0.038	1.0	0.31	0.23	0.59	0.038	1.0	0.30	0.22	0.59
PCB064	pg/l	24	24	100	0.49	14.7	3.5	2.7	6.4	0.49	14.7	3.5	2.7	6.4
PCB066	pg/l	24	24	100	0.75	22.7	5.2	4.1	9.4	0.75	22.7	5.2	4.1	9.4
PCB067	pg/l	24	22	91.7	0.068	1.1	0.31	0.21	0.57	0.023 U	1.1	0.28	0.20	0.57
PCB068	pg/l	24	17	70.8	0.023 J	1.5	0.41	0.14	1.5	0.023 J	1.5	0.30	0.075	1.2
PCB072	pg/l	24	21	87.5	0.031	0.83	0.26	0.15	0.65	0.031	0.83	0.24	0.12	0.65
PCB073	pg/l	24	23	95.8	0.022 J	9.1	1.3	0.33	2.7	0.022 J	9.1	1.3	0.33	2.7
PCB077	pg/l	24	24	100	0.058	1.4	0.33	0.26	0.67	0.058	1.4	0.33	0.26	0.67
PCB078	pg/l	24	0	0						0.028 U	0.089 U	0.017	0.016 U	0.016 U
PCB079	pg/l	24	22	91.7	0.018 J	0.39	0.15	0.096	0.31	0.018 J	0.39	0.14	0.095	0.31
PCB080	pg/l	24	1	4.2	0.016 J	0.016 J	0.016	0.016 J	0.016 J	0.016 J	0.081 U	0.021	0.020 U	0.021 U
PCB081	pg/l	24	2	8.3	0.026	0.036	0.031	0.026	0.026	0.0073 U	0.082 U	0.021	0.025 U	0.026
PCB082	pg/l	24	24	100	0.14	2.5	0.75	0.57	1.3	0.14	2.5	0.75	0.57	1.3
PCB083 & 099	pg/l	24	24	100	0.71	32.6	8.0	4.3	22.5	0.71	32.6	8.0	4.3	22.5
PCB084	pg/l	24	24	100	0.41	14.5	4.1	2.7	11.8	0.41	14.5	4.1	2.7	11.8
PCB085 & 116 & 117	pg/l	24	24	100	0.22	3.5	1.4	1.1	2.9	0.22	3.5	1.4	1.1	2.9
PCB086 & 087 & 097 & 108 & 119 & 125	pg/l	24	23	95.8	0.88 J	19.2	6.5	4.9	12.8	0.88 J	19.2	6.3	4.7	12.8
PCB088 & 091	pg/l	24	24	100	0.29	17.5	4.1	2.0	13.5	0.29	17.5	4.1	2.0	13.5
PCB089	pg/l	24	24	100	0.017 J	0.45	0.14	0.11	0.27	0.017 J	0.45	0.14	0.11	0.27

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB090 & 101 & 113	pg/l	24	24	100	1.5	70.6	17.3	8.9	53.7	1.5	70.6	17.3	8.9	53.7
PCB092	pg/l	24	24	100	0.29	28.8	5.8	2.1	20.8	0.29	28.8	5.8	2.1	20.8
PCB093 & 095 & 098 & 100 & 102	pg/l	24	24	100	1.5	117	26.2	10.1	93.4	1.5	117	26.2	10.1	93.4
PCB094	pg/l	24	24	100	0.027	10.9	1.8	0.31	8.6	0.027	10.9	1.8	0.31	8.6
PCB096	pg/l	24	23	95.8	0.030	4.7	0.89	0.29	3.9	0.030	4.7	0.86	0.24	3.9
PCB103	pg/l	24	24	100	0.069	7.2	1.4	0.45	5.7	0.069	7.2	1.4	0.45	5.7
PCB104	pg/l	24	23	95.8	0.0099 J	2.5	0.40	0.076	1.9	0.0099 J	2.5	0.39	0.076	1.9
PCB105	pg/l	24	24	100	0.30	3.7	1.3	1.1	2.2	0.30	3.7	1.3	1.1	2.2
PCB106	pg/l	24	6	25.0	0.034	0.17	0.086	0.049	0.12	0.0052 U	0.17	0.071	0.070 U	0.11
PCB107 & 124	pg/l	24	23	95.8	0.029 J	0.39	0.18	0.14	0.35	0.029 J	0.39	0.18	0.14	0.35
PCB109	pg/l	24	24	100	0.068	1.2	0.45	0.34	0.85	0.068	1.2	0.45	0.34	0.85
PCB110 & 115	pg/l	24	24	100	1.5	26.4	10.1	7.4	23.4	1.5	26.4	10.1	7.4	23.4
PCB111	pg/l	24	15	62.5	0.0067 J	0.23	0.058	0.015 J	0.16	0.0043 U	0.23	0.043	0.015 J	0.14
PCB112	pg/l	24	12	50.0	0.026	7.5	2.2	0.24	6.8	0.025 U	7.5	1.1	0.016 U	5.4
PCB114	pg/l	24	20	83.3	0.041	0.25	0.090	0.077	0.13	0.017 U	0.25	0.079	0.065	0.13
PCB118	pg/l	24	24	100	0.80	10.1	4.4	3.3	8.7	0.80	10.1	4.4	3.3	8.7
PCB120	pg/l	24	21	87.5	0.0066 J	0.43	0.11	0.056	0.30	0.0066 J	0.43	0.093	0.044	0.30
PCB121	pg/l	24	17	70.8	0.0048 J	0.72	0.17	0.047	0.70	0.0048 J	0.72	0.13	0.027 U	0.49
PCB122	pg/l	24	21	87.5	0.021 J	0.19	0.058	0.052	0.11	0.0096 U	0.19	0.053	0.035	0.11
PCB123	pg/l	24	22	91.7	0.039	0.24	0.11	0.091	0.17	0.039	0.24	0.10	0.086	0.17
PCB126	pg/l	24	9	37.5	0.0077 J	0.024 J	0.016	0.017 J	0.021 J	0.0062 U	0.071 U	0.015	0.017 U	0.024 J
PCB127	pg/l	24	4	16.7	0.0045 J	0.032	0.018	0.013 J	0.024	0.0045 J	0.061 U	0.018	0.019 U	0.025 U
PCB128 & 166	pg/l	24	24	100	0.11	3.7	0.84	0.53	1.6	0.11	3.7	0.84	0.53	1.6
PCB129 & 138 & 160 & 163	pg/l	24	24	100	0.87	72.7	13.3	6.3	38.2	0.87	72.7	13.3	6.3	38.2
PCB130	pg/l	24	23	95.8	0.054	2.8	0.59	0.34	1.4	0.054	2.8	0.58	0.30	1.4
PCB131	pg/l	24	22	91.7	0.012 J	0.56	0.12	0.057	0.33	0.012 J	0.56	0.12	0.056	0.33
PCB132	pg/l	24	24	100	0.32	22.3	4.4	2.1	12.4	0.32	22.3	4.4	2.1	12.4
PCB133	pg/l	24	23	95.8	0.022 J	2.7	0.50	0.21	1.7	0.022 J	2.7	0.48	0.20	1.7
PCB134 & 143	pg/l	24	24	100	0.058	7.4	1.3	0.47	4.7	0.058	7.4	1.3	0.47	4.7
PCB135 & 151 & 154	pg/l	24	24	100	0.48	67.0	11.7	4.3	45.0	0.48	67.0	11.7	4.3	45.0
PCB136	pg/l	24	24	100	0.19	21.1	3.8	1.6	14.1	0.19	21.1	3.8	1.6	14.1
PCB137	pg/l	24	22	91.7	0.050	0.97	0.23	0.15	0.48	0.020 U	0.97	0.22	0.15	0.48
PCB139 & 140	pg/l	24	24	100	0.016 J	0.76	0.18	0.11	0.43	0.016 J	0.76	0.18	0.11	0.43
PCB141	pg/l	24	24	100	0.15	19.6	3.3	1.3	10.8	0.15	19.6	3.3	1.3	10.8
PCB142	pg/l	24	2	8.3	0.0089 J	0.023 J	0.016	0.0089 J	0.0089 J	0.0057 U	0.13 U	0.020	0.018 U	0.027 U
PCB144	pg/l	24	24	100	0.050	5.2	0.96	0.36	3.3	0.050	5.2	1.0	0.36	3.3
PCB145	pg/l	24	8	33.3	0.0019 J	0.055	0.021	0.014 J	0.039	0.0015 U	0.055	0.017	0.016 J	0.031
PCB146	pg/l	24	24	100	0.17	15.8	3.0	1.3	9.5	0.17	15.8	3.0	1.3	9.5
PCB147 & 149	pg/l	24	24	100	0.93	97.3	17.8	7.2	61.1	0.93	97.3	17.8	7.2	61.1
PCB148	pg/l	24	19	79.2	0.0059 J	0.96	0.20	0.062	0.66	0.0059 J	0.96	0.16	0.048	0.64
PCB150	pg/l	24	24	100	0.0076 J	0.77	0.15	0.062	0.52	0.0076 J	0.77	0.15	0.062	0.52
PCB152	pg/l	24	20	83.3	0.0035 J	1.2	0.21	0.042	0.82	0.0035 J	1.2	0.18	0.033	0.82
PCB153 & 168	pg/l	24	24	100	0.80	82.8	14.8	6.1	49.2	0.80	82.8	14.8	6.1	49.2
PCB155	pg/l	24	16	66.7	0.0019 J	0.18	0.038	0.0091 J	0.12	0.0019 J	0.18	0.027	0.0067 J	0.11
PCB156 & 157	pg/l	24	24	100	0.056	2.8	0.57	0.33	1.4	0.056	2.8	0.57	0.33	1.4
PCB158	pg/l	24	24	100	0.078	5.7	1.1	0.52	2.9	0.078	5.7	1.1	0.52	2.9
PCB159	pg/l	24	22	91.7	0.020 J	1.1	0.19	0.072	0.53	0.0088 U	1.1	0.17	0.067	0.53
PCB161	pg/l	24	0	0						0.055 U	0.083 U	0.031	0.031 U	0.031 U
PCB162	pg/l	24	12	50.0	0.0051 J	0.034	0.015	0.011 J	0.032	0.0035 U	0.082 U	0.020	0.019 J	0.032
PCB164	pg/l	24	24	100	0.071	6.5	1.2	0.48	3.4	0.071	6.5	1.2	0.48	3.4
PCB165	pg/l	24	12	50.0	0.0031 J	0.30	0.082	0.053	0.20	0.0031 J	0.30	0.053	0.031 U	0.19
PCB167	pg/l	24	23	95.8	0.041	1.3	0.27	0.14	0.63	0.024 U	1.3	0.26	0.14	0.63
PCB169	pg/l	24	0	0						0.0027 U	0.071 U	0.018	0.020 U	0.025 U
PCB170	pg/l	24	23	95.8	0.11	14.8	2.2	0.84	5.4	0.11	14.8	2.2	0.81	5.4
PCB171 & 173	pg/l	24	23	95.8	0.072	6.1	0.93	0.35	2.2	0.043 U	6.1	0.89	0.35	2.2
PCB172	pg/l	24	21	87.5	0.023 J	3.0	0.50	0.19	1.2	0.023 J	3.0	0.45	0.17	1.2
PCB174	pg/l	24	24	100	0.18	24.5	3.6	1.5	9.4	0.18	24.5	3.6	1.5	9.4
PCB175	pg/l	24	22	91.7	0.0067 J	0.92	0.15	0.057	0.37	0.0067 J	0.92	0.14	0.045 U	0.37
PCB176	pg/l	24	23	95.8	0.023 J	3.1	0.50	0.21	1.3	0.023 J	3.1	0.48	0.19	1.3
PCB177	pg/l	24	24	100	0.10	12.7	2.0	0.80	4.9	0.10	12.7	2.0	0.80	4.9
PCB178	pg/l	24	24	100	0.053	5.9	0.91	0.36	2.5	0.053	5.9	0.91	0.36	2.5
PCB179	pg/l	24	24	100	0.098	12.5	1.9	0.76	5.7	0.10	12.5	1.9	0.76	5.7
PCB180 & 193	pg/l	24	24	100	0.29	37.0	5.6	2.2	14.8	0.29	37.0	5.6	2.2	14.8
PCB181	pg/l	24	10	41.7	0.0055 J	0.093	0.030	0.016 J	0.069	0.0014 U	0.093	0.022	0.011 J	0.041 U
PCB182	pg/l	24	15	62.5	0.0018 J	0.16	0.033	0.020 J	0.095	0.0018 J	0.16	0.025	0.017 J	0.055
PCB183 & 185	pg/l	24	24	100	0.11	14.8	2.3	0.87	6.2	0.11	14.8	2.3	0.87	6.2
PCB184	pg/l	24	4	16.7	0.0037 J	0.0072 J	0.0048	0.0040 J	0.0042 J	0.00070 U	0.032 U	0.0041	0.0018 U	0.015 U
PCB186	pg/l	24	0	0						0.00050 U	0.068 U	0.029	0.033 U	0.034 U
PCB187	pg/l	24	24	100	0.26	27.3	4.3	1.8	11.7	0.26	27.3	4.3	1.8	11.7
PCB188	pg/l	24	18	75.0	0.0032 J	0.098	0.020	0.0080 J	0.064	0.0014 U	0.10	0.016	0.0077 J	0.043
PCB189	pg/l	24	18	75.0	0.0036 J	0.35	0.073	0.032	0.27	0.0036 J	0.35	0.057	0.022 U	0.14

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB190	pg/l	24	23	95.8	0.028	3.1	0.49	0.19	1.2	0.028	3.1	0.47	0.19	1.2
PCB191	pg/l	24	23	95.8	0.0050 J	0.70	0.11	0.041	0.30	0.0050 J	0.70	0.11	0.039	0.30
PCB192	pg/l	24	0	0						0.00036 U	0.057 U	0.025	0.028 U	0.028 U
PCB194	pg/l	24	21	87.5	0.064	2.8	0.52	0.22	1.0	0.040 U	2.8	0.46	0.19	1.0
PCB195	pg/l	24	23	95.8	0.018 J	1.5	0.24	0.11	0.49	0.018 J	1.5	0.23	0.10	0.49
PCB196	pg/l	24	16	66.7	0.053	2.2	0.49	0.26	1.7	0.031 U	2.2	0.34	0.17	0.73
PCB197 & 200	pg/l	24	18	75.0	0.019 J	0.82	0.17	0.10	0.66	0.015 U	0.82	0.13	0.074	0.24
PCB198 & 199	pg/l	24	16	66.7	0.30	4.5	1.1	0.63	3.5	0.092 U	4.5	0.74	0.43	1.5
PCB201	pg/l	24	15	62.5	0.016 J	0.64	0.17	0.13	0.53	0.012 U	0.64	0.12	0.062	0.20
PCB202	pg/l	24	12	50.0	0.020 J	0.86	0.24	0.13	0.65	0.020 J	0.86	0.15	0.069 U	0.34
PCB203	pg/l	24	16	66.7	0.061	2.4	0.57	0.31	2.0	0.051 U	2.4	0.41	0.24	0.83
PCB204	pg/l	24	2	8.3	0.00076 J	0.0014 J	0.0011	0.00076 J	0.00076 J	0.00020 U	0.075 U	0.017	0.0014 J	0.037 U
PCB205	pg/l	24	15	62.5	0.0048 J	0.14	0.036	0.021 J	0.11	0.0022 U	0.14	0.026	0.011 J	0.056
PCB206	pg/l	24	18	75.0	0.049	0.31	0.13	0.11	0.29	0.031 U	0.31	0.11	0.089	0.25
PCB207	pg/l	24	12	50.0	0.017 J	0.15	0.050	0.032	0.088	0.0073 U	0.15	0.032	0.019 U	0.073
PCB208	pg/l	24	16	66.7	0.034	0.15	0.068	0.057	0.11	0.018 U	0.15	0.051	0.047	0.088
PCB209	pg/l	24	19	79.2	0.017 J	0.16	0.044	0.035	0.072	0.017 J	0.16	0.040	0.033	0.060
Total PCB Congeners	pg/l	24	24	100	42.7	2420	579	280	2060	42.7	2420	579	280	2060
XAD Filter Samples														
PCB001	pg/l	23	16	69.6	0.043	0.98	0.22	0.11	0.69	0.036 U	0.98	0.16	0.060	0.38
PCB002	pg/l	23	20	87.0	0.053	2.4	0.25	0.084	0.89	0.047 U	2.4	0.22	0.083	0.22
PCB003	pg/l	23	18	78.3	0.064	1.2	0.31	0.14	1.1	0.064	1.2	0.26	0.10	0.80
PCB004	pg/l	23	21	91.3	0.15	31.6	4.0	0.50	13.8	0.14 U	31.6	3.7	0.50	13.8
PCB005	pg/l	23	1	4.4	0.16	0.16	0.16	0.16	0.16	0.0061 U	0.16	0.026	0.018 U	0.042 U
PCB006	pg/l	23	18	78.3	0.027	2.2	0.26	0.10	0.61	0.027	2.2	0.21	0.080	0.36
PCB007	pg/l	23	14	60.9	0.0082 J	0.36	0.063	0.026	0.12	0.0082 J	0.69 U	0.12	0.035	0.34 U
PCB008	pg/l	23	22	95.7	0.13	11.1	0.84	0.28	0.68	0.13	11.1	0.81	0.28	0.68
PCB009	pg/l	23	18	78.3	0.011 J	0.61	0.076	0.022 J	0.24	0.011 J	0.61	0.066	0.028	0.11
PCB010	pg/l	23	15	65.2	0.0090 J	2.8	0.40	0.039	1.1	0.0090 J	2.8	0.27	0.029 U	0.69
PCB011	pg/l	23	23	100	1.1	8.9	2.9	2.4	4.2	1.1	8.9	2.9	2.4	4.2
PCB012 & 013	pg/l	23	20	87.0	0.054	1.7	0.36	0.13	1.5	0.054	1.7	0.32	0.12	0.72
PCB014	pg/l	23	3	13.0	0.0076 J	0.024	0.018	0.021 J	0.021 J	0.0076 J	0.082 U	0.021	0.015 U	0.037 U
PCB015	pg/l	23	23	100	0.25	15.0	1.7	0.68	3.2	0.25	15.0	1.7	0.68	3.2
PCB016	pg/l	23	22	95.7	0.082	14.3	0.94	0.18	0.92	0.075 U	14.3	0.90	0.18	0.92
PCB017	pg/l	23	23	100	0.19	20.9	3.3	0.53	11.6	0.19	20.9	3.3	0.53	11.6
PCB018 & 030	pg/l	23	23	100	0.17	30.3	2.3	0.64	3.1	0.17	30.3	2.3	0.64	3.1
PCB019	pg/l	23	23	100	0.30	183	15.6	1.1	40.8	0.30	183	15.6	1.1	40.8
PCB020 & 028	pg/l	23	22	95.7	0.65	80.6	6.0	1.5	5.7	0.65	80.6	5.8	1.6 U	5.7
PCB021 & 033	pg/l	23	23	100	0.17	42.6	2.6	0.57	2.3	0.17	42.6	2.6	0.57	2.3
PCB022	pg/l	23	23	100	0.15	28.8	1.7	0.34	1.5	0.15	28.8	1.7	0.34	1.5
PCB023	pg/l	23	8	34.8	0.0020 J	0.088	0.018	0.0070 J	0.016 J	0.0019 U	0.088	0.012	0.011 U	0.013 J
PCB024	pg/l	23	13	56.5	0.0033 J	0.46	0.050	0.0095 J	0.052	0.0033 J	0.46	0.034	0.014 U	0.043
PCB025	pg/l	23	23	100	0.064	5.5	0.81	0.23	2.3	0.064	5.5	0.81	0.23	2.3
PCB026 & 029	pg/l	23	23	100	0.12	12.8	1.2	0.40	2.1	0.12	12.8	1.2	0.40	2.1
PCB027	pg/l	23	23	100	0.070	19.9	1.9	0.20	4.8	0.070	19.9	1.9	0.20	4.8
PCB031	pg/l	23	23	100	0.43	67.9	4.4	1.0	4.2	0.43	67.9	4.4	1.0	4.2
PCB032	pg/l	23	23	100	0.090	12.3	1.4	0.31	2.6	0.090	12.3	1.4	0.31	2.6
PCB034	pg/l	23	18	78.3	0.0040 J	0.24	0.035	0.014 J	0.067	0.0029 U	0.24	0.028	0.010 J	0.054
PCB035	pg/l	23	22	95.7	0.036	1.6	0.14	0.058	0.17	0.036	1.6	0.14	0.058	0.17
PCB036	pg/l	23	18	78.3	0.0043 J	0.047	0.015	0.011 J	0.047	0.0043 J	0.047	0.014	0.0091 J	0.031
PCB037	pg/l	23	23	100	0.28	26.1	1.9	0.58	1.9	0.28	26.1	1.9	0.58	1.9
PCB038	pg/l	23	16	69.6	0.0047 J	0.43	0.065	0.027	0.10	0.0047 J	0.43	0.048	0.017 J	0.093
PCB039	pg/l	23	19	82.6	0.0075 J	0.53	0.065	0.027	0.15	0.0075 J	0.53	0.055	0.024	0.103
PCB040 & 041 & 071	pg/l	23	23	100	0.51	41.5	5.4	2.2	13.8	0.51	41.5	5.4	2.2	13.8
PCB042	pg/l	23	23	100	0.21	18.8	2.2	0.65	3.6	0.21	18.8	2.2	0.65	3.6
PCB043	pg/l	23	23	100	0.028	6.7	0.88	0.16	3.0	0.028	6.7	0.88	0.16	3.0
PCB044 & 047 & 065	pg/l	23	23	100	1.3	234	29.9	5.8	60.7	1.3	234	29.9	5.8	60.7
PCB045 & 051	pg/l	23	23	100	0.30	67.4	8.3	1.2	16.4	0.30	67.4	8.3	1.2	16.4
PCB046	pg/l	23	23	100	0.050	4.2	0.74	0.32	2.8	0.050	4.2	0.74	0.32	2.8
PCB048	pg/l	23	23	100	0.13	17.2	1.5	0.40	2.1	0.13	17.2	1.5	0.40	2.1
PCB049 & 069	pg/l	23	23	100	0.87	65.0	10.9	3.4	36.1	0.87	65.0	10.9	3.4	36.1
PCB050 & 053	pg/l	23	23	100	0.43	61.6	7.3	1.2	14.6	0.43	61.6	7.3	1.2	14.6
PCB052	pg/l	23	23	100	1.5	69.4	13.7	6.1	45.0	1.5	69.4	13.7	6.1	45.0
PCB054	pg/l	23	23	100	0.061	54.3	4.5	0.27	11.5	0.061	54.3	4.5	0.27	11.5
PCB055	pg/l	23	10	43.5	0.011 J	1.1	0.14	0.023 J	0.11	0.011 J	1.1	0.081	0.022 J	0.11
PCB056	pg/l	23	23	100	0.47	21.5	2.9	0.88	4.3	0.47	21.5	2.9	0.88	4.3
PCB057	pg/l	23	14	60.9	0.012 J	1.9	0.39	0.042	1.4	0.0077 U	1.9	0.25	0.033 U	0.63
PCB058	pg/l	23	4	17.4	0.012 J	0.10	0.048	0.021 J	0.058	0.0061 U	0.13 U	0.052	0.063 U	0.064 U
PCB059 & 062 & 075	pg/l	23	23	100	0.091	15.9	2.1	0.47	6.5	0.091	15.9	2.1	0.47	6.5
PCB060	pg/l	23	23	100	0.20	13.0	1.4	0.40	1.9	0.20	13.0	1.4	0.40	1.9
PCB061 & 070 & 074 & 076	pg/l	23	23	100	1.9	82.2	10.5	4.4	14.6	1.9	82.2	10.5	4.4	14.6

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB063	pg/l	23	23	100	0.044	2.4	0.35	0.18	0.91	0.044	2.4	0.35	0.18	0.91
PCB064	pg/l	23	23	100	0.38	29.4	3.1	0.84	4.5	0.38	29.4	3.1	0.84	4.5
PCB066	pg/l	23	23	100	1.1	47.2	6.7	2.6	9.0	1.1	47.2	6.7	2.6	9.0
PCB067	pg/l	23	23	100	0.033	2.9	0.49	0.15	1.9	0.033	2.9	0.49	0.15	1.9
PCB068	pg/l	23	22	95.7	0.017 J	2.8	0.36	0.064	0.77	0.017 J	2.8	0.35	0.076	0.77
PCB072	pg/l	23	21	91.3	0.034	1.5	0.24	0.078	0.40	0.028 U	1.5	0.22	0.073	0.40
PCB073	pg/l	23	20	87.0	0.021 J	6.0	0.82	0.080	3.9	0.021 J	6.0	0.72	0.077	2.5
PCB077	pg/l	23	23	100	0.15	4.3	0.69	0.32	1.0	0.15	4.3	0.69	0.32	1.0
PCB078	pg/l	23	1	4.4	0.036	0.036	0.036	0.036	0.036	0.020 U	0.23 U	0.023	0.016 U	0.036
PCB079	pg/l	23	20	87.0	0.030	1.0	0.22	0.14	0.60	0.030	1.01	0.20	0.13	0.50
PCB080	pg/l	23	0	0						0.040 U	0.082 U	0.022	0.020 U	0.022 U
PCB081	pg/l	23	3	13.0	0.036 J	0.21	0.12	0.12	0.12	0.0061 U	0.21	0.029	0.022 U	0.036 J
PCB082	pg/l	23	23	100	0.25	5.1	1.3	0.73	2.3	0.25	5.1	1.3	0.73	2.3
PCB083 & 099	pg/l	23	23	100	1.3	89.7	14.9	5.5	26.5	1.3	89.7	14.9	5.5	26.5
PCB084	pg/l	23	23	100	0.49	29.0	5.0	2.1	9.6	0.49	29.0	5.0	2.1	9.6
PCB085 & 116 & 117	pg/l	23	23	100	0.40	8.5	2.4	1.6	6.5	0.40	8.5	2.4	1.6	6.5
PCB086 & 087 & 097 & 108 & 119 & 125	pg/l	23	23	100	1.4	44.3	10.2	5.3 J	21.6 J	1.4	44.3	10.2	5.3 J	21.6 J
PCB088 & 091	pg/l	23	23	100	0.44	41.2	6.1	1.6	11.9	0.44	41.2	6.1	1.6	11.9
PCB089	pg/l	23	20	87.0	0.023 J	0.80	0.20	0.080	0.79	0.023 J	0.80	0.18	0.080	0.55
PCB090 & 101 & 113	pg/l	23	23	100	2.3	214	30.6	11.1	52.0	2.3	214	30.6	11.1	52.0
PCB092	pg/l	23	23	100	0.47	82.7	10.2	2.2	22.0	0.47	82.7	10.2	2.2	22.0
PCB093 & 095 & 098 & 100 & 102	pg/l	23	23	100	1.9	267	35.1	8.7	64.1	1.9	267	35.1	8.7	64.1
PCB094	pg/l	23	22	95.7	0.036	22.2	2.6	0.21	6.2	0.036	22.2	2.5	0.21	6.2
PCB096	pg/l	23	22	95.7	0.040	7.3	0.97	0.13	1.9	0.040	7.3	0.93	0.13	1.9
PCB103	pg/l	23	23	100	0.10	15.5	2.0	0.32	4.7	0.10	15.5	2.0	0.32	4.7
PCB104	pg/l	23	20	87.0	0.011 J	5.0	0.60	0.045	3.4	0.011 J	5.0	0.52	0.045	1.3
PCB105	pg/l	23	23	100	0.84	12.0	3.3	2.3	6.3	0.84	12.0	3.3	2.3	6.3
PCB106	pg/l	23	5	21.7	0.14	0.97	0.39	0.19	0.44	0.14 U	0.97	0.14	0.070 U	0.19
PCB107 & 124	pg/l	23	22	95.7	0.078	1.2	0.40	0.27	0.90	0.078	1.2	0.39	0.27	0.90
PCB109	pg/l	23	23	100	0.17	4.1	0.99	0.68	2.5	0.17	4.1	0.99	0.68	2.5
PCB110 & 115	pg/l	23	23	100	2.6	59.6	15.7	9.7	36.5	2.6	59.6	15.7	9.7	36.5
PCB111	pg/l	23	17	73.9	0.0044 J	0.83	0.13	0.023 J	0.59	0.0044 J	0.83	0.10	0.013 J	0.25
PCB112	pg/l	23	9	39.1	0.054	22.1	5.5	3.5	13.3	0.025 U	22.1	2.2	0.013 U	5.8
PCB114	pg/l	23	23	100	0.045	0.77	0.19	0.11	0.31	0.045	0.77	0.19	0.11	0.31
PCB118	pg/l	23	23	100	2.0	38.2	10.7	7.4	23.8	2.0	38.2	10.7	7.4	23.8
PCB120	pg/l	23	20	87.0	0.021 J	1.8	0.29	0.063	1.2	0.017 U	1.8	0.25	0.060	0.57
PCB121	pg/l	23	18	78.3	0.0068 J	2.1	0.30	0.030	1.5	0.0068 J	2.1	0.24	0.022 J	0.65
PCB122	pg/l	23	20	87.0	0.024	0.43	0.14	0.082	0.41	0.024	0.43	0.12	0.067	0.27
PCB126	pg/l	23	20	87.0	0.011 J	0.21	0.056	0.039 J	0.13	0.011 J	0.21	0.054	0.039 J	0.11
PCB127	pg/l	23	11	47.8	0.0052 J	0.31	0.060	0.030	0.09	0.0052 J	0.31	0.041	0.020 U	0.077
PCB128 & 166	pg/l	23	23	100	0.55	29.8	4.7	2.1	8.1	0.55	29.8	4.7	2.1	8.1
PCB129 & 138 & 160 & 163	pg/l	23	23	100	4.2	662	82.3	19.9	195	4.2	662	82.3	19.9	195
PCB130	pg/l	23	23	100	0.26	22.0	3.1	1.1	6.3	0.26	22.0	3.1	1.1	6.3
PCB131	pg/l	23	22	95.7	0.036	3.9	0.53	0.16	0.94	0.036	3.9	0.51	0.16	0.94
PCB132	pg/l	23	23	100	1.2	160	20.3	6.2	40.0	1.2	160	20.3	6.2	40.0
PCB133	pg/l	23	23	100	0.11	20.7	2.4	0.47	6.2	0.11	20.7	2.4	0.47	6.2
PCB134 & 143	pg/l	23	23	100	0.21	49.0	5.4	0.99	12.4	0.21	49.0	5.4	1.0	12.4
PCB135 & 151 & 154	pg/l	23	23	100	1.6	428	47.9	9.0	113	1.6	428	47.9	9.0	113
PCB136	pg/l	23	23	100	0.53	106	12.9	2.9	28.1	0.53	106	12.9	2.9	28.1
PCB137	pg/l	23	21	91.3	0.13	6.9	0.98	0.49	1.8	0.13	6.9	0.92	0.42 U	1.8
PCB139 & 140	pg/l	23	23	100	0.066	5.2	0.74	0.29	1.6	0.066	5.2	0.74	0.29	1.6
PCB141	pg/l	23	23	100	0.74	192	21.7	3.9	47.0	0.74	192	21.7	3.9	47.0
PCB142	pg/l	23	5	21.7	0.022 J	0.22	0.092	0.040 J	0.15	0.0087 U	0.22	0.040	0.018 U	0.11 U
PCB144	pg/l	23	23	100	0.17	31.7	4.0	0.85	9.0	0.17	31.7	4.0	0.85	9.0
PCB145	pg/l	23	11	47.8	0.0049 J	0.28	0.046	0.0096 J	0.080	0.00090 U	0.28	0.029	0.0080 J	0.080
PCB146	pg/l	23	23	100	0.75	129	16.0	3.9	43.0	0.75	129	16.0	3.9	43.0
PCB147 & 149	pg/l	23	23	100	3.3	647	76.4	16.9	169	3.3	647	76.4	16.9	169
PCB148	pg/l	23	22	95.7	0.024 J	5.4	0.69	0.10	1.9	0.024 J	5.4	0.66	0.10	1.9
PCB150	pg/l	23	23	100	0.026	4.1	0.52	0.076	1.4	0.026	4.1	0.52	0.076	1.4
PCB152	pg/l	23	21	91.3	0.010 J	6.0	0.70	0.056	1.8	0.010 J	6.0	0.64	0.053	1.8
PCB153 & 168	pg/l	23	23	100	3.5	775	90.6	19.4	206	3.5	775	90.6	19.4	206
PCB155	pg/l	23	18	78.3	0.0052 J	1.1	0.15	0.015 J	0.70	0.0052 J	1.1	0.12	0.010 J	0.35
PCB156 & 157	pg/l	23	23	100	0.38	37.8	5.1	1.6	10.2	0.38	37.8	5.1	1.6	10.2
PCB158	pg/l	23	23	100	0.37	54.4	6.8	1.7	13.6	0.37	54.4	6.8	1.7	13.6
PCB159	pg/l	23	23	100	0.093	20.8	2.2	0.36	5.1	0.093	20.8	2.2	0.36	5.1
PCB161	pg/l	23	0	0						0.055 U	0.15 U	0.034	0.031 U	0.032 U
PCB162	pg/l	23	17	73.9	0.010 J	0.64	0.096	0.043	0.17	0.010 J	0.64	0.080	0.037 J	0.15
PCB164	pg/l	23	23	100	0.30	51.1	6.5	1.4	13.5	0.30	51.1	6.5	1.4	13.5
PCB165	pg/l	23	14	60.9	0.012 J	2.1	0.35	0.031	1.1	0.012 J	2.1	0.22	0.031	0.62
PCB167	pg/l	23	23	100	0.14	16.3	2.1	0.63	4.5	0.14	16.3	2.1	0.63	4.5
PCB169	pg/l	23	0	0						0.0080 U	1.4 U	0.081	0.020 U	0.16 U

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB170	pg/l	23	23	100	1.1	406	42.3	6.9	101	1.09	406	42.3	6.9	101
PCB171 & 173	pg/l	23	23	100	0.38	114	13.0	2.2	31.1	0.38	114	13.0	2.2	31.1
PCB172	pg/l	23	22	95.7	0.23	61.7	7.9	1.3	19.9	0.040 U	61.7	7.6	1.3	19.9
PCB174	pg/l	23	23	100	1.3	440	47.4	7.2	111	1.3	440	47.4	7.2	111
PCB175	pg/l	23	23	100	0.056	13.6	1.7	0.30	4.1	0.056	13.6	1.7	0.30	4.1
PCB176	pg/l	23	23	100	0.17	46.4	5.8	1.0	14.2	0.17	46.4	5.8	1.0	14.2
PCB177	pg/l	23	23	100	0.82	232	26.4	4.4	64.0	0.82	232	26.4	4.4	64.0
PCB178	pg/l	23	23	100	0.33	86.0	10.4	1.7	26.0	0.33	86.0	10.4	1.7	26.0
PCB179	pg/l	23	23	100	0.61	174	20.2	3.4	50.5	0.61	174	20.2	3.4	50.5
PCB180 & 193	pg/l	23	23	100	2.7	932	99.8	16.4	250	2.7	932	99.8	16.4	250
PCB181	pg/l	23	21	91.3	0.0098 J	1.6	0.34	0.22	1.1	0.0098 J	1.6	0.31	0.15	1.1
PCB182	pg/l	23	18	78.3	0.015 J	1.8	0.30	0.058	1.4	0.013 U	1.8	0.24	0.051	0.65
PCB183 & 185	pg/l	23	23	100	0.88	282	32.3	5.3	78.1	0.88	282	32.3	5.3	78.1
PCB184	pg/l	23	16	69.6	0.0029 J	0.14	0.032	0.015 J	0.12	0.0029 J	0.14	0.024	0.0089 J	0.053
PCB186	pg/l	23	8	34.8	0.011 J	0.11	0.028	0.013 J	0.030	0.0026 U	0.11	0.030	0.033 U	0.033 U
PCB187	pg/l	23	23	100	1.8	450	55.8	10.4	154	1.8	450	55.8	10.4	154
PCB188	pg/l	23	19	82.6	0.0093 J	1.3	0.18	0.027	0.78	0.0067 U	1.3	0.15	0.021 J	0.43
PCB189	pg/l	23	22	95.7	0.043	13.3	1.6	0.22	4.1	0.043	13.3	1.5	0.22	4.1
PCB190	pg/l	23	23	100	0.24	76.2	9.0	1.5	20.7	0.24	76.2	9.0	1.5	20.7
PCB191	pg/l	23	22	95.7	0.048	14.0	1.8	0.29	4.1	0.048	14.0	1.7	0.29	4.1
PCB192	pg/l	23	2	8.7	0.0026 J	1.4	0.72	0.0026 J	0.0026 J	0.0026 J	1.4	0.087	0.028 U	0.028 U
PCB194	pg/l	23	23	100	0.64	221	23.7	3.4	58.9	0.64	221	23.7	3.4	58.9
PCB195	pg/l	23	23	100	0.25	88.2	9.6	1.4	24.2	0.25	88.2	9.6	1.4	24.2
PCB196	pg/l	23	23	100	0.37	104	12.4	2.0	31.2	0.37	104	12.4	2.0	31.2
PCB197 & 200	pg/l	23	23	100	0.13	28.4	3.7	0.67	10.1 J	0.13	28.4	3.7	0.67	10.1 J
PCB198 & 199	pg/l	23	22	95.7	0.92	190	23.9	3.8	55.3	0.0010 U	190	22.9	3.8	55.3
PCB201	pg/l	23	23	100	0.11	21.5	2.7	0.50	7.0	0.11	21.5	2.7	0.50	7.0
PCB202	pg/l	23	23	100	0.22	28.4	3.6	0.74	9.2	0.22	28.4	3.6	0.74	9.2
PCB203	pg/l	23	23	100	0.51	120	14.2	2.3	35.0	0.51	120	14.2	2.3	35.0
PCB204	pg/l	23	8	34.8	0.0014 J	0.082	0.025	0.016 J	0.042	0.00070 U	0.082	0.013	0.0045 U	0.037 U
PCB205	pg/l	23	23	100	0.027	9.5	1.1	0.18	3.0	0.027	9.5	1.1	0.18	3.0
PCB206	pg/l	23	23	100	0.48	32.8	5.1	1.7	11.2	0.48	32.8	5.1	1.7	11.2
PCB207	pg/l	23	23	100	0.086	4.9	0.79	0.31	1.6	0.086	4.9	0.79	0.31	1.6
PCB208	pg/l	23	23	100	0.19	5.4	1.1	0.59	1.9	0.19	5.4	1.1	0.59	1.9
PCB209	pg/l	23	23	100	0.45	9.2	2.1	1.4	6.3	0.45	9.2	2.1	1.4	6.3
Total PCB Congeners	pg/l	23	23	100	67.5	9550	1220	285	2620	67.5	9550	1220	285	2620
PCB Homologs														
XAD Column Samples														
Monochlorobiphenyl homologs	pg/l	24	24	100	0.62	4.0	1.8	1.4	3.3	0.62	4.0	1.8	1.4	3.3
Dichlorobiphenyl homologs	pg/l	24	24	100	7.5	376	72.9	40.2	172	7.5	376	72.9	40.2	172
Trichlorobiphenyl homologs	pg/l	24	24	100	8.9	776	144	56.4	446	8.9	776	144	56.4	446
Tetrachlorobiphenyl homologs	pg/l	24	24	100	10.7	605	154	83.4	527	10.7	605	154	83.4	527
Pentachlorobiphenyl homologs	pg/l	24	24	100	8.9	380	96.6	51.1	297	8.9	380	96.6	51.1	297
Hexachlorobiphenyl homologs	pg/l	24	24	100	4.5	443	80.5	33.5	265	4.5	443	80.5	33.5	265
Heptachlorobiphenyl homologs	pg/l	24	24	100	1.3	167	25.4	10.2	67.5	1.3	167	25.4	10.2	67.5
Octachlorobiphenyl homologs	pg/l	24	19	79.2	0.27	15.8	3.2	1.6	12.6	0.27	15.8	2.6	1.5	5.4
Nonachlorobiphenyl homologs	pg/l	24	18	75.0	0.050	0.51	0.23	0.20	0.45	0.038 U	0.51	0.18	0.18	0.45
XAD Filter Samples														
Monochlorobiphenyl homologs	pg/l	23	23	100	0.11	4.7	0.64	0.30	1.4	0.11	4.7	0.64	0.30	1.4
Dichlorobiphenyl homologs	pg/l	23	23	100	1.4	43.8	9.9	4.8	22.8	1.4	43.8	9.9	4.8	22.8
Trichlorobiphenyl homologs	pg/l	23	23	100	3.2	346	44.2	9.9	101	3.2	346	44.2	9.9	101
Tetrachlorobiphenyl homologs	pg/l	23	23	100	10.1	627	115	45.5	436	10.1	627	115	45.5	436
Pentachlorobiphenyl homologs	pg/l	23	23	100	15.2	964	156	62.3	251	15.2	964	156	62.3	251
Hexachlorobiphenyl homologs	pg/l	23	23	100	18.7	3470	415	96.4	941	18.7	3470	415	96.4	941
Heptachlorobiphenyl homologs	pg/l	23	23	100	10.7	3340	376	63.4	935	10.7	3340	376	63.4	935
Octachlorobiphenyl homologs	pg/l	23	23	100	3.2	810	93.9	14.6	234	3.2	810	93.9	14.6	234
Nonachlorobiphenyl homologs	pg/l	23	23	100	0.75	43.2	7.0	2.6	14.7	0.75	43.2	7.0	2.6	14.7
Dioxin/Furans														
XAD Column Samples														
2,3,7,8-Tetrachlorodibenzofuran	pg/l	18	12	66.7	0.0026 J	0.096	0.025	0.0078	0.075	0.0021 U	0.096	0.017	0.0039 J	0.075
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	18	0	0						0.0013 U	0.0048 U	0.0013	0.0011 U	0.0024 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	18	8	44.4	0.0011 J	0.060	0.021	0.0028 J	0.049	0.00072 U	0.060	0.010	0.0017 U	0.049
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	18	4	22.2	0.0015 J	0.010 J	0.0038	0.0018 J	0.0022 J	0.00089 U	0.0097 J	0.0018	0.0013 U	0.0023 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	18	3	16.7	0.014 J	0.031	0.020	0.016 J	0.016 J	0.0017 U	0.031	0.0050	0.0013 U	0.016 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	18	8	44.4	0.0027 J	0.056	0.017	0.0031 J	0.032	0.00088 U	0.056	0.0091	0.0029 U	0.032
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	18	2	11.1	0.0036 J	0.013 J	0.0082	0.0036 J	0.0036 J	0.0010 U	0.013 J	0.0026	0.0016 U	0.0056 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	18	8	44.4	0.0021 J	0.031	0.011	0.0026 J	0.026 J	0.00079 U	0.031	0.0063	0.0023 J	0.026 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	18	11	61.1	0.0054 J	0.084	0.018	0.011 J	0.025 J	0.0026 U	0.084	0.013	0.0063 U	0.025 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	18	1	5.6	0.0040 J	0.0040 J	0.0040	0.0040 J	0.0040 J	0.00050 U	0.0041 U	0.00078	0.00052 U	0.0020 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	18	8	44.4	0.0036 J	0.048	0.012	0.0047 J	0.015 J	0.0018 U	0.048	0.0072	0.0040 U	0.015 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	18	6	33.3	0.00066 J	0.0019 J	0.0012	0.00082 J	0.0019 J	0.00064 U	0.0043 U	0.0010	0.00087 U	0.0019 J

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	18	10	55.6	0.0048 J	0.040	0.015	0.014 J	0.026 J	0.0043 U	0.040	0.011	0.0070 U	0.026 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	18	18	100	0.045	1.0	0.26	0.15	0.57	0.045	1.0	0.26	0.15	0.57
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	18	7	38.9	0.0030 J	0.070	0.023	0.0049 J	0.051	0.0012 U	0.070	0.011	0.0040 U	0.051
Dioxin/furan TCDD toxicity equivalent	pg/l	18	18	100	0.00049 T	0.040 JT	0.011	0.0043 T	0.038 JT	0.00049 T	0.040 JT	0.011	0.0043 T	0.038 JT
Dioxin-like PCB congener TCDD toxicity equivalen	pg/l	24	24	100	0.00015 JT	0.0040 JT	0.0015	0.0011 JT	0.0031 JT	0.00015 JT	0.0040 JT	0.0015	0.0011 JT	0.0031 JT
Total PCDD/F	pg/l	18	18	100	0.49 T	12.5 JT	2.8	1.8 JT	6.4 T	0.49 T	12.5 JT	2.8	1.8 JT	6.4 T
Total TCDD toxicity equivalent	pg/l	18	18	100	0.00064 JT	0.043 JT	0.012	0.0051 JT	0.039 JT	0.00064 JT	0.043 JT	0.012	0.0051 JT	0.039 JT
XAD Filter Samples														
2,3,7,8-Tetrachlorodibenzofuran	pg/l	18	18	100	0.0075	0.56	0.096	0.016	0.45	0.0075	0.56	0.096	0.016	0.45
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/l	18	4	22.2	0.0045 J	0.26	0.071	0.0052 J	0.013	0.0030 U	0.26	0.018	0.0025 U	0.013
1,2,3,7,8-Pentachlorodibenzofuran	pg/l	18	18	100	0.0039 J	0.67	0.11	0.013 J	0.66	0.0039 J	0.67	0.11	0.013 J	0.66
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/l	18	18	100	0.0055 J	0.51	0.047	0.014 J	0.087	0.0055 J	0.51	0.047	0.014 J	0.087
2,3,4,7,8-Pentachlorodibenzofuran	pg/l	18	15	83.3	0.0093 J	0.29	0.061	0.014 J	0.26	0.0059 U	0.29	0.052	0.012 J	0.26
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/l	18	18	100	0.012 J	1.3	0.23	0.040	1.2	0.012 J	1.3	0.23	0.040	1.15
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/l	18	18	100	0.0092 J	0.17	0.044	0.025 J	0.15	0.0092 J	0.17	0.044	0.025 J	0.15
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/l	18	18	100	0.0082 J	0.32	0.066	0.019 J	0.31	0.0082 J	0.32	0.066	0.019 J	0.31
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/l	18	18	100	0.046	0.48	0.17	0.13	0.45	0.046	0.48	0.17	0.13	0.45
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/l	18	10	55.6	0.0013 J	0.024 J	0.0079	0.0033 J	0.023 J	0.0011 U	0.024 J	0.0047	0.0013 U	0.023 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/l	18	18	100	0.026 J	0.60	0.13	0.075	0.45	0.026 J	0.60	0.13	0.075	0.45
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/l	18	17	94.4	0.0055 J	0.066	0.021	0.012 J	0.058	0.0055 J	0.066	0.020	0.011 J	0.058
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/l	18	18	100	0.12	0.97	0.38	0.29	0.88	0.12	0.97	0.38	0.29	0.88
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/l	18	18	100	1.5	14.3	4.0	3.1	6.9	1.5	14.3	4.0	3.1	6.9
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/l	18	18	100	0.010 J	0.26	0.061	0.031	0.23	0.010 J	0.26	0.061	0.031	0.23
Dioxin/furan TCDD toxicity equivalent	pg/l	18	18	100	0.040 JT	0.91 JT	0.22	0.10 JT	0.53 JT	0.040 JT	0.91 JT	0.22	0.10 JT	0.53 JT
Dioxin-like PCB congener TCDD toxicity equivalen	pg/l	23	23	100	0.0010 JT	0.046 JT	0.0092	0.0057 JT	0.018 T	0.00096 JT	0.046 JT	0.0092	0.0057 JT	0.018 T
Total PCDD/F	pg/l	18	18	100	15.9 T	156 T	42.8	33.7 T	78.0 T	15.9 T	156 T	42.8	33.7 T	78.0 T
Total TCDD toxicity equivalent	pg/l	17	17	100	0.045 JT	0.55 JT	0.19	0.11 JT	0.48 JT	0.045 JT	0.55 JT	0.19	0.11 JT	0.48 JT
Dioxin/Furan Homologs														
XAD Column Samples														
Tetrachlorodibenzofuran homologs	pg/l	18	18	100	0.023	0.45	0.14	0.072	0.34	0.023	0.45	0.14	0.072	0.34
Tetrachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	0.025	6.1	0.44	0.11	0.22	0.025	6.1	0.44	0.11	0.22
Pentachlorodibenzofuran homologs	pg/l	18	15	83.3	0.024	0.23	0.087	0.059	0.20	0.011 U	0.23	0.074	0.038	0.20
Pentachlorodibenzo-p-dioxin homologs	pg/l	18	17	94.4	0.0093	0.78	0.098	0.061	0.15	0.0055 U	0.78	0.093	0.052	0.15
Hexachlorodibenzofuran homologs	pg/l	18	11	61.1	0.021	0.25	0.087	0.047	0.20	0.0094 U	0.25	0.062	0.032 U	0.20
Hexachlorodibenzo-p-dioxin homologs	pg/l	18	17	94.4	0.031	0.97	0.17	0.10	0.31	0.020 U	0.97	0.16	0.091	0.31
Heptachlorodibenzofuran homologs	pg/l	18	15	83.3	0.017	0.20	0.065	0.051	0.16	0.011 U	0.20	0.056	0.038	0.16
Heptachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	0.096	1.9	0.51	0.31	1.2	0.10	1.9	0.51	0.31	1.2
Octachlorodibenzofuran	pg/l	18	9	50.0	0.0067 J	0.067	0.020	0.0089 J	0.033 J	0.0067 U	0.067	0.014	0.0089 J	0.033 J
Octachlorodibenzo-p-dioxin	pg/l	18	18	100	0.28	4.2	1.3	0.94	2.9	0.28	4.2	1.3	0.94	2.9
XAD Filter Samples														
Tetrachlorodibenzofuran homologs	pg/l	18	18	100	0.092	1.7	0.37	0.14	1.4	0.092	1.7	0.37	0.14	1.4
Tetrachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	0.070	2.0	0.28	0.17	0.50	0.070	2.0	0.28	0.17	0.50
Pentachlorodibenzofuran homologs	pg/l	18	18	100	0.11	2.1	0.51	0.24	1.8	0.11	2.1	0.51	0.24	1.8
Pentachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	0.041	3.2	0.36	0.14	0.81	0.041	3.2	0.36	0.14	0.81
Hexachlorodibenzofuran homologs	pg/l	18	18	100	0.21	2.5	0.81	0.52	2.4	0.21	2.5	0.81	0.52	2.4
Hexachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	0.39	4.8	1.4	1.0	4.0	0.39	4.8	1.4	1.0	4.0
Heptachlorodibenzofuran homologs	pg/l	18	18	100	0.32	2.7	1.0	0.87	2.3	0.32	2.7	1.0	0.87	2.3
Heptachlorodibenzo-p-dioxin homologs	pg/l	18	18	100	2.9	27.0	8.0	5.8	14.5	2.9	27.0	8.0	5.8	14.5
Octachlorodibenzofuran	pg/l	18	18	100	0.13	2.0	0.77	0.64	1.9	0.13	2.0	0.77	0.64	1.9
Octachlorodibenzo-p-dioxin	pg/l	18	18	100	9.2	118	29.2	22.8	55.1	9.2	118	29.2	22.8	55.1
Organochlorine Pesticides														
Peristaltic Pump Samples														
2,4'-DDD	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
2,4'-DDE	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
2,4'-DDT	µg/l	52	1	1.9	0.019 NJ	0.019 NJ	0.019	0.019 NJ	0.0187 NJ	0.00047 UJ	0.019 NJ	0.00060	0.00025 U	0.00026 UJ
4,4'-DDD	µg/l	52	1	1.9	0.00084	0.00084	0.00084	0.00084	0.00084	0.00047 UJ	0.00084	0.00026	0.00025 U	0.00026 UJ
4,4'-DDE	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
4,4'-DDT	µg/l	52	2	3.9	0.00069 J	0.0012	0.00092	0.00069 J	0.00069 J	0.00047 UJ	0.0012	0.00027	0.00025 UJ	0.00027 UJ
Aldrin	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
alpha-Endosulfan	µg/l	52	1	1.9	0.00057	0.00057	0.00057	0.00057	0.00057	0.00047 UJ	0.00057	0.00025	0.00025 U	0.00026 UJ
alpha-Hexachlorocyclohexane	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
beta-Endosulfan	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
beta-Hexachlorocyclohexane	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 UJ	0.00026 U
cis-Chlordane	µg/l	52	1	1.9	0.0010 J	0.0010 J	0.0010	0.0010 J	0.0010 J	0.00047 UJ	0.0010 J	0.00026	0.00025 U	0.00026 U
cis-Nonachlor	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
delta-Hexachlorocyclohexane	µg/l	52	3	5.8	0.00081 J	0.0017 NJ	0.0011	0.00093	0.00093	0.00047 UJ	0.0017 NJ	0.00030	0.00025 U	0.00027 UJ
Dieldrin	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Endosulfan sulfate	µg/l	52	1	1.9	0.00077 J	0.00077 J	0.00077	0.00077 J	0.00077 J	0.00047 UJ	0.00077 J	0.00026	0.00025 U	0.00026 UJ
Endrin aldehyde	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Endrin ketone	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Endrin	µg/l	41	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 UJ	0.00026 UJ

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
gamma-Hexachlorocyclohexane	µg/l	52	1	1.9	0.00077	0.00077	0.00077	0.00077	0.00077	0.00047 UJ	0.00077	0.00026	0.00025 U	0.00026 UJ
Heptachlor epoxide	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Heptachlor	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Methoxychlor	µg/l	52	2	3.9	0.0022 NJ	0.011	0.0067	0.0022 NJ	0.0022 NJ	0.00047 UJ	0.011	0.00049	0.00025 UJ	0.00027 U
Mirex	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Oxychlordane	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
Total Chlordanes	µg/l	52	1	1.9	0.0021 JT	0.0021 JT	0.0021	0.0021 JT	0.0021 JT	0.00047 UJT	0.0021 JT	0.00028	0.00025 UT	0.00026 UT
Total Endosulfan	µg/l	52	2	3.9	0.00057 T	0.00077 JT	0.00067	0.00057 T	0.00057 T	0.00047 UJT	0.00077 JT	0.00026	0.00025 UT	0.00027 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	µg/l	52	4	7.7	0.00069 JT	0.019 JT	0.0054	0.00084 T	0.0012 T	0.00047 UJT	0.019 JT	0.00064	0.00025 UT	0.00069 JT
Total of 2,4' and 4,4'-DDD	µg/l	52	1	1.9	0.00084 T	0.00084 T	0.00084	0.00084 T	0.00084 T	0.00047 UJT	0.00084 T	0.00026	0.00025 UT	0.00026 UJT
Total of 2,4' and 4,4'-DDE	µg/l	52	0	0						0.00047 UJT	0.00054 UJT	0.00025	0.00025 UT	0.00026 UT
Total of 2,4' and 4,4'-DDT	µg/l	52	3	5.8	0.00069 JT	0.019 JT	0.0069	0.0012 T	0.0012 T	0.00047 UJT	0.019 JT	0.00063	0.00025 UJT	0.00027 UJT
Total of 4,4'-DDD, -DDE, -DDT	µg/l	52	3	5.8	0.00069 JT	0.0012 T	0.00089	0.00084 T	0.00084 T	0.00047 UJT	0.0012 T	0.00029	0.00025 UT	0.00027 UJT
Toxaphene	µg/l	52	0	0						0.12 UJ	0.13 UJ	0.062	0.062 U	0.066 U
trans-Chlordane	µg/l	52	1	1.9	0.0011 J	0.0011 J	0.0011	0.0011 J	0.0011 J	0.00047 UJ	0.0011 J	0.00026	0.00025 U	0.00026 U
trans-Nonachlor	µg/l	52	0	0						0.00047 UJ	0.00054 UJ	0.00025	0.00025 U	0.00026 U
XAD Column Samples														
2,4'-DDD	pg/l	24	24	100	1.7 J	1270	158	12.6	649	1.7 J	1270	158	12.6	649
2,4'-DDE	pg/l	24	24	100	0.15 J	56.6	7.2	0.87 J	25.0	0.15 J	56.6	7.2	0.87 J	25.0
2,4'-DDT	pg/l	24	22	91.7	0.64 J	145	21.6	2.4 J	62.0	0.46 U	145	19.8	2.4 J	62.0
4,4'-DDD	pg/l	24	24	100	4.2 J	1630	263	34.6	1210	4.2 J	1630	263	34.6	1210
4,4'-DDE	pg/l	24	24	100	5.0 J	292	47.2	20.7	111	5.0 J	292	47.2	20.7	111
4,4'-DDT	pg/l	24	24	100	0.74 J	402	44.9	4.4	138	0.74 J	402	44.9	4.4	138
Aldrin	pg/l	24	19	79.2	0.54 J	3.3 J	1.3	1.2 J	2.2 J	0.34 UJ	3.3 J	1.1	1.0 J	2.0 J
alpha-Endosulfan	pg/l	24	22	91.7	3.9 J	54.3	23.2	8.6	51.6	3.9 J	54.3	21.5	8.5	51.6
alpha-Hexachlorocyclohexane	pg/l	24	24	100	3.8	94.2	33.5	18.7	81.0	3.8	94.2	33.5	18.7	81.0
beta-Endosulfan	pg/l	24	17	70.8	3.7 J	35.7	19.3	22.2	33.1	3.7 J	35.7	15.6	8.6 U	31.8
beta-Hexachlorocyclohexane	pg/l	24	24	100	1.7 J	33.7	7.9	4.9	19.4	1.7 J	33.7	7.9	4.9	19.4
cis-Chlordane	pg/l	24	24	100	3.1 J	22.9	8.1	7.3	10.0 J	3.1 J	22.9	8.1	7.3	10.0 J
cis-Nonachlor	pg/l	24	21	87.5	0.62 J	2.9 J	1.5	1.4 J	2.5 J	0.62 J	2.9 J	1.5	1.3 J	2.5 J
delta-Hexachlorocyclohexane	pg/l	24	10	41.7	0.94 J	6.3	2.3	1.5 J	3.3 J	0.42 U	6.3	1.3	0.77 U	3.2 J
Dieldrin	pg/l	24	24	100	14.3	46.8	33.4	31.9	42.4	14.3	46.8	33.4	31.9	42.4
Endosulfan sulfate	pg/l	24	24	100	5.2	352	145	88.6	291	5.2	352	145	88.6	291
Endrin aldehyde	pg/l	24	0	0						0.14 U	8.3 U	1.1	0.12 U	4.1 U
Endrin ketone	pg/l	24	19	79.2	0.34 J	2.3 J	0.74	0.57 J	1.1 J	0.34 J	6.7 U	0.77	0.55 J	1.1 J
Endrin	pg/l	24	7	29.2	0.72 J	1.6 J	0.99	0.98 J	1.0 J	0.45 U	2.1 U	0.58	0.42 U	1.0 J
gamma-Hexachlorocyclohexane	pg/l	24	24	100	7.2	71.1	30.2	26.9	51.4	7.2	71.1	30.2	26.9	51.4
Heptachlor epoxide	pg/l	24	24	100	2.1 J	5.2	4.2	4.3 J	4.9	2.1 J	5.2	4.2	4.3 J	4.9
Heptachlor	pg/l	24	6	25.0	0.13 J	5.6 J	1.1	0.22 J	0.31 J	0.064 U	5.6 J	0.35	0.11 U	0.27 J
Hexachlorobenzene	pg/l	24	24	100	15.7	55.4	38.6	37.7	53.4	15.7	55.4	38.6	37.7	53.4
Hexachlorobutadiene	pg/l	24	18	75.0	0.28 J	140 J	26.4	2.0 J	104	0.23 UJ	140 J	19.9	1.4 UJ	73.2 J
Methoxychlor	pg/l	24	10	41.7	1.7 J	90.6	11.3	2.6 J	3.4 J	1.3 U	90.6	5.2	1.1 U	3.1 J
Oxychlordane	pg/l	24	14	58.3	0.83 J	2.7 J	1.4	1.3 J	1.6 J	0.64 UJ	2.7 J	1.0	1.1 J	1.5 J
Total Chlordanes	pg/l	24	24	100	7.9 JT	55.5 JT	21.0	19.9 JT	26.6 JT	7.9 JT	55.5 JT	21.0	19.9 JT	26.6 JT
Total Endosulfan	pg/l	24	24	100	14.1 JT	435 T	180	94.1 T	378 T	14.1 JT	435 T	180	94.1 T	378 T
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	pg/l	24	24	100	12.4 JT	3460 T	541	72.7 JT	2100 T	12.4 JT	3460 T	541	72.7 JT	2100 T
Total of 2,4' and 4,4'-DDD	pg/l	24	24	100	5.8 JT	2560 T	422	46.1 T	1760 T	5.8 JT	2560 T	422	46.1 T	1760 T
Total of 2,4' and 4,4'-DDE	pg/l	24	24	100	5.1 JT	349 T	54.5	22.0 JT	136 T	5.1 JT	349 T	54.5	22.0 JT	136 T
Total of 2,4' and 4,4'-DDT	pg/l	24	24	100	0.74 JT	547 T	64.7	6.1 JT	200 T	0.74 JT	547 T	64.7	6.1 JT	200 T
Total of 4,4'-DDD, -DDE, -DDT	pg/l	24	24	100	10.6 JT	2059 T	356	59.6 JT	1388 T	10.6 JT	2059 T	356	59.6 JT	1388 T
trans-Chlordane	pg/l	24	24	100	2.2 J	19.4	6.0	5.5	7.7 J	2.2 J	19.4	6.0	5.5	7.7 J
trans-Nonachlor	pg/l	24	24	100	2.0 J	9.1 J	4.8	4.4	6.7 J	2.0 J	9.1 J	4.8	4.4	6.7 J
XAD Filter Samples														
2,4'-DDD	pg/l	24	24	100	0.25 J	787	108	4.5	485	0.25 J	787	108	4.5	485
2,4'-DDE	pg/l	24	24	100	0.18 J	54.3	7.6	0.61 J	33.1	0.18 J	54.3	7.6	0.61 J	33.1
2,4'-DDT	pg/l	24	17	70.8	0.24 J	402	51.2	2.3 J	160	0.13 U	402	36.3	0.87 J	122
4,4'-DDD	pg/l	24	24	100	0.41 J	1820	281	12.0	1270	0.41 J	1820	281	12.0	1270
4,4'-DDE	pg/l	24	24	100	4.8 J	466	71.0	16.7	252	4.8 J	466	71.0	16.7	252
4,4'-DDT	pg/l	24	20	83.3	0.60 J	3630	367	8.9	1220	0.18 U	3630	306	7.5	1180
Aldrin	pg/l	24	22	91.7	0.11 J	13.0	1.1	0.41 J	1.0 J	0.11 J	13.0	1.0	0.40 J	0.98 J
alpha-Endosulfan	pg/l	24	4	16.7	0.55 J	6.2 J	2.5	0.77 J	2.3 J	0.23 U	6.2 J	0.80	0.49 U	1.1 UJ
alpha-Hexachlorocyclohexane	pg/l	24	12	50.0	0.042 J	1.3 J	0.45	0.32 J	1.1 J	0.014 U	1.3 J	0.24	0.051 U	0.65 J
beta-Endosulfan	pg/l	24	1	4.2	1.11 J	1.1 J	1.1	1.1 J	1.1 J	0.74 U	4.3 U	0.84	0.65 UJ	1.3 U
beta-Hexachlorocyclohexane	pg/l	24	6	25.0	0.17 J	1.2 J	0.73	0.60 J	1.0 J	0.024 U	1.2 J	0.22	0.053 U	0.82 J
cis-Chlordane	pg/l	24	23	95.8	0.30 J	61.6	4.6	1.7 J	4.4 J	0.12 U	61.6	4.4	1.5 J	4.4 J
cis-Nonachlor	pg/l	24	20	83.3	0.23 J	12.9	1.4	0.74 J	1.7 J	0.16 U	12.9	1.3	0.71 U	1.6 J
delta-Hexachlorocyclohexane	pg/l	24	1	4.2	0.51 J	0.51 J	0.51	0.51 J	0.51 J	0.040 UJ	1.6 U	0.31	0.065 UJ	0.78 U
Dieldrin	pg/l	24	18	75.0	0.24 J	15.7	3.4	2.4 J	6.9 J	0.19 UJ	15.7	2.8	2.0 J	4.6 J
Endosulfan sulfate	pg/l	24	8	33.3	0.40 J	5.3 J	2.6	2.7 J	3.7 J	0.073 UJ	5.9 U	1.8	1.4 UJ	2.9 U
Endrin aldehyde	pg/l	24	0	0						0.076 UJ	3.4 U	0.73	0.28 UJ	1.7 U
Endrin ketone	pg/l	24	0	0						0.075 U	2.8 U	0.49	0.087 UJ	1.4 U

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Table C1-13. Summary Statistics for Round 2A Surface Water Analytes.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Endrin	pg/l	24	1	4.2	0.17 J	0.17 J	0.17	0.17 J	0.17 J	0.014 UJ	0.87 U	0.21	0.11 U	0.43 U
gamma-Hexachlorocyclohexane	pg/l	24	11	45.8	0.11 J	1.3 J	0.36	0.21 J	0.86 J	0.010 U	1.3 J	0.18	0.056 U	0.30 J
Heptachlor epoxide	pg/l	24	8	33.3	0.12 J	0.70 J	0.26	0.15 J	0.41 J	0.027 UJ	0.87 U	0.25	0.15 J	0.43 U
Heptachlor	pg/l	24	3	12.5	0.14 J	2.2 J	0.85	0.16 J	0.16 J	0.014 U	2.2 J	0.13	0.023 U	0.14 J
Hexachlorobenzene	pg/l	24	23	95.8	3.1 J	32.0	8.2	5.6 J	17.4	0.92 U	32.0	7.9	4.3	17.4
Hexachlorobutadiene	pg/l	24	9	37.5	0.11 J	21.2 J	5.2	3.2 J	8.5 J	0.030 U	21.2 J	2.0	0.086 UJ	5.8 J
Methoxychlor	pg/l	24	4	16.7	1.7 J	40.0	11.7	1.9 J	3.3 J	0.19 UJ	40.0	2.4	0.46 U	1.9 J
Oxychlordane	pg/l	24	10	41.7	0.10 J	0.90 J	0.32	0.24 J	0.50 J	0.099 U	1.8 U	0.23	0.12 J	0.50 J
Total Chlordanes	pg/l	24	24	100	0.10 JT	185 JT	14.3	5.5 JT	15.5 JT	0.10 JT	185 JT	14.3	5.5 JT	15.5 JT
Total Endosulfan	pg/l	24	10	41.7	0.40 JT	9.9 JT	3.2	2.4 JT	7.7 JT	0.40 JT	9.9 JT	2.3	1.4 UJT	2.9 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	pg/l	24	24	100	7.6 JT	6790 T	810	41.6 JT	3120 T	7.6 JT	6790 T	810	41.6 JT	3120 T
Total of 2,4' and 4,4'-DDD	pg/l	24	24	100	0.65 JT	2610 T	389	16.9 JT	1760 T	0.65 JT	2610 T	389	16.9 JT	1760 T
Total of 2,4' and 4,4'-DDE	pg/l	24	24	100	5.0 JT	520 T	78.6	17.3 JT	290 T	5.0 JT	520 T	78.6	17.3 JT	290 T
Total of 2,4' and 4,4'-DDT	pg/l	24	20	83.3	0.60 JT	4030 T	410	9.9 T	1380 T	0.18 UT	4030 T	342	9.2 JT	1300 T
Total of 4,4'-DDD, -DDE, -DDT	pg/l	24	24	100	6.8 JT	5716 T	658	33.5 T	2486 T	6.8 JT	5716 T	658	33.5 T	2486 T
trans-Chlordane	pg/l	24	24	100	0.10 J	70.1	4.8	1.5 J	4.5 J	0.10 J	70.1	4.8	1.5 J	4.5 J
trans-Nonachlor	pg/l	24	23	95.8	0.33 J	39.7	3.8	1.8 J	4.8 J	0.11 U	39.7	3.7	1.8 J	4.8 J
Chlorinated Herbicides														
Peristaltic Pump Samples														
2,4,5-T	µg/l	74	0	0						0.043 U	0.068 U	0.026	0.023 U	0.033 U
2,4-D	µg/l	74	1	1.4	0.14 J	0.14 J	0.14	0.14 J	0.14 J	0.048 U	0.21 U	0.029	0.026 U	0.030 U
2,4-DB	µg/l	74	0	0						0.10 U	0.22 U	0.061	0.055 U	0.11 U
Dalapon	µg/l	74	1	1.4	0.23	0.23	0.23	0.23	0.23	0.23 UJ	0.51 U	0.17	0.20 UJ	0.22 UJ
Dicamba	µg/l	74	0	0						0.059 U	0.087 U	0.034	0.032 U	0.042 U
Dichloroprop	µg/l	74	0	0						0.058 U	0.071 U	0.031	0.031 U	0.035 U
Dinoseb	µg/l	74	0	0						0.066 U	0.077 U	0.035	0.034 U	0.037 U
MCPA	µg/l	74	0	0						7.8 U	40.0 U	13.3	17.5 U	19.0 U
MCPP	µg/l	74	0	0						6.0 U	120 U	17.9	7.5 U	55.0 U
Silvex	µg/l	74	0	0						0.048 U	0.057 U	0.026	0.026 U	0.028 U

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Fillet without skin														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						1.9 U	38 U	6.97	0.95 U	19 U
Aroclor 1221	ug/kg-Wet	6	0	0						1.9 U	140 U	16.8	0.95 U	27 U
Aroclor 1232	ug/kg-Wet	6	0	0						1.9 U	70 U	9.63	0.95 U	19 U
Aroclor 1242	ug/kg-Wet	6	0	0						1.9 U	40 UJ	7.13	0.95 U	19 U
Aroclor 1248	ug/kg-Wet	6	4	66.7	15	24	20	17	24	15	71 UJ	22.8	21 U	24
Aroclor 1254	ug/kg-Wet	6	0	0						26 U	390 UJ	59.4	16.5 U	90 U
Aroclor 1260	ug/kg-Wet	6	6	100	22	1300 J	341	36	560	22	1300 J	341	36	560
Aroclor 1262	ug/kg-Wet	6	0	0						1.9 U	38 U	6.97	0.95 U	19 UJ
Aroclor 1268	ug/kg-Wet	6	0	0						1.9 U	38 U	6.97	0.95 U	19 UJ
Total PCB Aroclors	ug/kg-Wet	6	6	100	37 T	1300 JT	354	56 T	560 T	37 T	1300 JT	354	56 T	560 T
Conventionals														
Lipids	percent-Wet	6	6	100	0.93	1.3	1.08	0.97 T	1.2 T	0.93	1.3	1.08	0.97 T	1.2 T
Total solids	percent-Wet	6	6	100	16.6	18.9	17.8	17.5	18.5	16.6	18.9	17.8	17.5	18.5
Metals														
Aluminum	mg/kg-Wet	6	6	100	1.95 J	10.6 J	5.46	3.5 J	8.19 J	1.95 J	10.6 J	5.46	3.5 J	8.19 J
Antimony	mg/kg-Wet	6	0	0						0 U	0.001 U	0.000417	0.0005 U	0.0005 U
Arsenic	mg/kg-Wet	6	6	100	0.02 J	0.02 J	0.02	0.02 J	0.02 J	0.02 J	0.02 J	0.02	0.02 J	0.02 J
Cadmium	mg/kg-Wet	6	5	83.3	0.001 J	0.001 J	0.001	0.001 J	0.001 J	0 U	0.001 J	0.000833	0.001 J	0.001 J
Chromium	mg/kg-Wet	6	3	50	0.05 J	0.23	0.12	0.08 J	0.08 J	0.05 J	0.23	0.0733	0.03 U	0.08 J
Copper	mg/kg-Wet	6	6	100	0.203	0.292	0.251	0.251	0.256	0.203	0.292	0.251	0.251	0.256
Lead	mg/kg-Wet	6	0	0						0.002 U	0.008 U	0.00183	0.001 U	0.0025 U
Manganese	mg/kg-Wet	6	6	100	0.085	0.177	0.109	0.095	0.107	0.085	0.177	0.109	0.095	0.107
Mercury	mg/kg-Wet	6	6	100	0.035	0.094	0.0608	0.057	0.074	0.035	0.094	0.0608	0.057	0.074
Nickel	mg/kg-Wet	6	6	100	0.003 J	0.055	0.0205	0.009 J	0.029 J	0.003 J	0.055	0.0205	0.009 J	0.029 J
Selenium	mg/kg-Wet	6	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
Silver	mg/kg-Wet	6	0	0						0.0002 U	0.0002 U	0.0001	0.0001 U	0.0001 U
Thallium	mg/kg-Wet	6	6	100	0.0012 J	0.003 J	0.00208	0.0014 J	0.0029 J	0.0012 J	0.003 J	0.00208	0.0014 J	0.0029 J
Zinc	mg/kg-Wet	6	6	100	3.96 J	6.49 J	5.23	5.32 J	5.51 J	3.96 J	6.49 J	5.23	5.32 J	5.51 J
PAHs														
2-Methylnaphthalene	ug/kg-Wet	6	0	0						33 UT	70 UT	19.6	16.5 UT	16.5 UT
Acenaphthene	ug/kg-Wet	6	0	0						33 UT	97 UT	26	16.5 UT	41.5 UT
Acenaphthylene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Anthracene	ug/kg-Wet	6	0	0						33 UT	93 UT	30.4	16.5 UT	45 UT
Benzo(a)anthracene	ug/kg-Wet	6	0	0						33 UT	76 UT	20.1	16.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	6	0	0						33 UT	80 UT	24.1	16.5 UT	38.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	6	0	0						33 UT	63 UT	19	16.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	6	0	0						33 UJT	33 UJT	16.5	16.5 UJT	16.5 UJT
Benzo(k)fluoranthene	ug/kg-Wet	6	0	0						33 UT	73 UT	19.8	16.5 UT	16.5 UT
Chrysene	ug/kg-Wet	6	0	0						33 UT	80 UT	20.4	16.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	6	1	16.7	110 T	110 T	110	110 T	110 T	33 UT	110 T	43.8	16.5 UT	55 UT
Fluorene	ug/kg-Wet	6	0	0						33 UT	87 UT	24.3	16.5 UT	36.5 UT
High Molecular Weight PAH	ug/kg-Wet	6	1	16.7	110 T	110 T	110	110 T	110 T	33 UT	110 T	43.8	16.5 UT	55 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	6	2	33.3	110 JT	140 T	125	110 JT	110 JT	33 UT	140 T	60.7	33 UT	110 JT
Naphthalene	ug/kg-Wet	6	0	0						33 UT	73 UT	25.7	16.5 UT	35 UT
Phenanthrene	ug/kg-Wet	6	2	33.3	110 JT	140 T	125	110 JT	110 JT	33 UT	140 T	57.9	16.5 UT	110 JT
Pyrene	ug/kg-Wet	6	0	0						33 UT	60 UT	22.1	16.5 UT	28 UT
Total PAHs	ug/kg-Wet	6	2	33.3	110 JT	250 T	180	110 JT	110 JT	33 UT	250 T	79	33 UT	110 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	2	33.3	1.1 NJ	1.4 NJ	1.25	1.1 NJ	1.1 NJ	1 U	8.6 UT	2.02	1.1 NJ	4.3 UT
2,4'-DDE	ug/kg-Wet	6	0	0						1 UJ	7.5 UT	1.29	0.5 U	2 UT
2,4'-DDT	ug/kg-Wet	6	4	66.7	1.7 N	3.1 NJ	2.48	2.5 J	2.6 N	1.7 N	6.9 UT	2.63	2.5 J	3.1 NJ
4,4'-DDD	ug/kg-Wet	6	4	66.7	1.4 N	3.8 J	2.5	2.1 J	2.7 J	1.4 N	6.1 UT	2.68	2.7 J	3.05 UT
4,4'-DDE	ug/kg-Wet	6	6	100	6.6 J	26.5 JT	13.5	11	15 J	6.6 J	26.5 JT	13.5	11	15 J
4,4'-DDT	ug/kg-Wet	6	4	66.7	3.9 J	8.4 J	5.5	4.6 J	5.1 J	3.9 J	8.4 J	4.72	3.9 J	5.1 J
Aldrin	ug/kg-Wet	6	0	0						1 U	13 UT	1.75	0.5 U	2 UT
alpha-Endosulfan	ug/kg-Wet	6	0	0						1 U	20 U	2.33	0.5 U	2 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	6.4 UT	1.2	0.5 U	2 UT
beta-Endosulfan	ug/kg-Wet	6	0	0						1 U	15 UT	1.92	0.5 U	2 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 UJ	8.5 UT	1.41	0.5 UJ	2 UT
cis-Chlordane	ug/kg-Wet	6	0	0						1 U	20 U	2.33	0.5 U	2 U
cis-Nonachlor	ug/kg-Wet	6	0	0						1.1 U	7.1 UT	1.44	0.8 U	2 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	7.3 UT	1.28	0.5 U	2 UT
Dieldrin	ug/kg-Wet	6	1	16.7	2.1 NJ	2.1 NJ	2.1	2.1 NJ	2.1 NJ	1 U	14 UT	2.1	0.5 U	2.1 NJ
Endosulfan sulfate	ug/kg-Wet	6	0	0						1 U	12 UT	1.67	0.5 U	2 UT

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Endrin aldehyde	ug/kg-Wet	6	0	0						1 UJ	8.5 UT	1.38	0.5 UJ	2 UT
Endrin ketone	ug/kg-Wet	6	0	0						1 U	7.5 UT	1.29	0.5 U	2 UT
Endrin	ug/kg-Wet	6	0	0						1 U	20 UT	2.33	0.5 U	2 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	9.6 UT	1.47	0.5 U	2 UT
Heptachlor epoxide	ug/kg-Wet	6	0	0						1 U	8 UT	1.33	0.5 U	2 UT
Heptachlor	ug/kg-Wet	6	0	0						1 U	13 UT	1.75	0.5 U	2 UT
Methoxychlor	ug/kg-Wet	6	0	0						1 UJ	4.8 UT	1.07	0.5 U	2 UT
Mirex	ug/kg-Wet	6	0	0						1 U	6.2 UT	1.18	0.5 U	2 UT
Oxychlordane	ug/kg-Wet	6	0	0						1 U	20 UT	2.33	0.5 U	2 UT
Total Chlordanes	ug/kg-Wet	6	4	66.7	1.2 JT	1.6 JT	1.43	1.3 T	1.6 JT	1.2 JT	20 UT	2.95	1.6 JT	2 UT
Total Endosulfan	ug/kg-Wet	6	0	0						1 UT	20 UT	2.33	0.5 UT	2 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	12 JT	26.5 JT	20.9	20.9 JT	25.9 JT	12 JT	26.5 JT	20.9	20.9 JT	25.9 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	4	66.7	2.7 JT	3.8 JT	3.13	2.8 JT	3.2 JT	2.7 JT	8.6 UT	3.52	3.2 JT	4.3 UT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	6.6 JT	26.5 JT	13.5	11 T	15 JT	6.6 JT	26.5 JT	13.5	11 T	15 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	4	66.7	5.6 JT	11.5 JT	7.98	7.1 JT	7.7 JT	5.6 JT	11.5 JT	6.42	5.6 JT	7.7 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	12 JT	26.5 JT	18.8	16.5 JT	23.4 JT	12 JT	26.5 JT	18.8	16.5 JT	23.4 JT
Toxaphene	ug/kg-Wet	6	0	0						110 U	4700 U	514	80 UJ	450 U
trans-Chlordane	ug/kg-Wet	6	0	0						1 U	8.4 UT	1.37	0.5 U	2 UT
trans-Nonachlor	ug/kg-Wet	6	4	66.7	1.2 NJ	1.6 NJ	1.43	1.3 N	1.6 NJ	1.2 NJ	11 UT	2.2	1.6 NJ	2 UT
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	6	0	0						500 U	500 U	250	250 U	250 U
2-Chlorophenol	ug/kg-Wet	6	0	0						33 UT	57 UT	23.5	25 UT	28 UT
2-Methylphenol	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
2-Nitrophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						3300 U	3300 U	1650	1650 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
4-Methylphenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
Pentachlorophenol	ug/kg-Wet	6	0	0						170 UT	190 UT	86.7	85 UT	85 UT
Phenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	6	1	16.7	100 T	100 T	100	100 T	100 T	100 T	220 UT	68.3	50 UT	100 T
Butylbenzyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Dibutyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Diethyl phthalate	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Dimethyl phthalate	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	96 UT	21.8	16.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						33 U	33 U	16.5	16.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	66 UT	19.3	16.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	66 UT	19.3	16.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						33 UT	66 UT	19.3	16.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
3-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						170 UJT	170 UJT	85	85 UJT	85 UJT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						83 UT	83 UT	41.5	41.5 UT	41.5 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
Aniline	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
Azobenzene	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Benzoic acid	ug/kg-Wet	6	0	0						8300 UJ	8300 UJ	4150	4150 UJ	4150 UJ
Benzyl alcohol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	6	0	0						33 UT	80 UT	23.5	16.5 UT	35 UT
Hexachlorobenzene	ug/kg-Wet	6	0	0						1 UT	6.4 UT	1.2	0.5 UT	2 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						1 UJT	4.6 UT	1.05	0.5 UJT	2 UJT

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
Hexachloroethane	ug/kg-Wet	6	0	0						1 UJT	13 UT	1.75	0.5 UJT	2 UJT
Isophorone	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
Nitrobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						170 UT	170 UT	85	85 UT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						1.9 U	38 U	5.96	2.65 U	6.5 U
Aroclor 1221	ug/kg-Wet	6	0	0						1.9 U	38 U	7.2	1.9 U	15.5 U
Aroclor 1232	ug/kg-Wet	6	0	0						1.9 U	38 U	6.58	4.4 U	8.5 U
Aroclor 1242	ug/kg-Wet	6	0	0						1.9 U	38 U	6.56	3.75 U	9 U
Aroclor 1248	ug/kg-Wet	6	3	50	23	64	41	36	36	23	64	31.3	23	36
Aroclor 1254	ug/kg-Wet	6	0	0						38 U	160 U	46	37.5 U	60 U
Aroclor 1260	ug/kg-Wet	6	6	100	44	1700	384	90	250 J	44	1700	384	90	250 J
Aroclor 1262	ug/kg-Wet	6	0	0						1.9 U	38 U	5.38	1.9 U	4.75 U
Aroclor 1268	ug/kg-Wet	6	0	0						1.9 U	38 U	5.38	1.9 U	4.75 U
Total PCB Aroclors	ug/kg-Wet	6	6	100	67 T	1700 T	404	125 T	314 JT	67 T	1700 T	404	125 T	314 JT
Conventionals														
Lipids	percent-Wet	6	6	100	1.5 T	3.8	2.43	2.3	2.6	1.5 T	3.8	2.43	2.3	2.6
Total solids	percent-Wet	6	6	100	23.3	25.1	23.9	23.7	24.3	23.3	25.1	23.9	23.7	24.3
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.21	0.63	0.454	0.445	0.616	0.21	0.63	0.454	0.445	0.616
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	2.16	3.51	2.97	2.93	3.32	2.16	3.51	2.97	2.93	3.32
Hexachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.867	2.48	1.48	1.39	1.48	0.867	2.48	1.48	1.39	1.48
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	1.78	3.29	2.29	2.15	2.26	1.78	3.29	2.29	2.15	2.26
Octachlorodibenzofuran	pg/g-Wet	6	1	16.7	0.112	0.112	0.112	0.112	0.112	0.046 U	0.181 U	0.0654	0.0605 U	0.0905 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	1.61	3.89	2.72	2.62	3.36	1.61	3.89	2.72	2.62	3.36
Pentachlorodibenzofuran homologs	pg/g-Wet	6	6	100	1.85	3.02	2.25	2	2.55	1.85	3.02	2.25	2	2.55
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.564	0.846	0.671	0.63	0.717	0.564	0.846	0.671	0.63	0.717
Tetrachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.743	1.24	0.992	0.941	1.2	0.743	1.24	0.992	0.941	1.2
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.273	0.543	0.392	0.372	0.461	0.273	0.543	0.392	0.372	0.461
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	6	6	100	0.141	0.288	0.235	0.229	0.274	0.141	0.288	0.235	0.229	0.274
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	1.21	2.52	1.94	1.9	2.27	1.21	2.52	1.94	1.9	2.27
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	6	3	50	0.021 J	0.031	0.0263	0.027	0.027	0.016 U	0.031	0.0172	0.008 U	0.027
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.215	0.966	0.384	0.263	0.344	0.215	0.966	0.384	0.263	0.344
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.224	0.296	0.256	0.246	0.282	0.224	0.296	0.256	0.246	0.282
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.108	0.286	0.152	0.128	0.136	0.108	0.286	0.152	0.128	0.136
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	1.05	2.19	1.53	1.46	1.54	1.05	2.19	1.53	1.46	1.54
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	6	4	66.7	0.011	0.017	0.0138	0.013	0.014	0.011	0.018 U	0.0119	0.011	0.014
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.167	0.313	0.214	0.187	0.22	0.167	0.313	0.214	0.187	0.22
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.29	0.477	0.342	0.302	0.362	0.29	0.477	0.342	0.302	0.362
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.54	0.756	0.627	0.582	0.679	0.54	0.756	0.627	0.582	0.679
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.065 J	0.148	0.0928	0.08 J	0.104	0.065 J	0.148	0.0928	0.08 J	0.104
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.58	1.53	0.822	0.657	0.831	0.58	1.53	0.822	0.657	0.831
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	6	6	100	0.344	0.715	0.565	0.532	0.698	0.344	0.715	0.565	0.532	0.698
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.253	0.522	0.355	0.343	0.409	0.253	0.522	0.355	0.343	0.409
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	6	6	100	1.44 T	2.43 JT	1.76	1.66 T	1.85 JT	1.44 T	2.43 JT	1.76	1.66 T	1.85 JT
Dioxin-like PCB congener TCDD toxicity equiv	pg/g-Wet	6	6	100	2.21 T	16.5 T	6.82	4.37 T	8.31 T	2.21 T	16.5 T	6.82	4.37 T	8.31 T
Total PCDD/F	pg/g-Wet	6	6	100	12.2 T	17.8 T	14.2	12.7 T	15.6 T	12.2 T	17.8 T	14.2	12.7 T	15.6 T
Total TCDD toxicity equivalent	pg/g-Wet	6	6	100	3.65 T	18.9 JT	8.57	6.03 T	9.75 JT	3.65 T	18.9 JT	8.57	6.03 T	9.75 JT
Metals														
Aluminum	mg/kg-Wet	6	6	100	4.2 J	31.7 J	9.8	4.9 J	8 J	4.2 J	31.7 J	9.8	4.9 J	8 J
Antimony	mg/kg-Wet	6	0	0						0.001 U	0.001 U	0.0005	0.0005 U	0.0005 U
Arsenic	mg/kg-Wet	6	6	100	0.04 J	0.08 J	0.0558	0.05 J	0.06 J	0.04 J	0.08 J	0.0558	0.05 J	0.06 J
Cadmium	mg/kg-Wet	6	6	100	0.008 J	0.014	0.0116	0.012 J	0.014	0.008 J	0.014	0.0116	0.012 J	0.014
Chromium	mg/kg-Wet	6	6	100	0.39	1.32	0.73	0.52	1.08	0.39	1.32	0.73	0.52	1.08
Copper	mg/kg-Wet	6	6	100	0.586	0.798	0.69	0.67	0.774 T	0.586	0.798	0.69	0.67	0.774 T
Lead	mg/kg-Wet	6	5	83.3	0.023	0.0435 T	0.0289	0.026	0.026	0.014 U	0.0435 T	0.0253	0.026	0.026
Manganese	mg/kg-Wet	6	6	100	3.15	10.8 T	5.09	3.38	5.44	3.15	10.8 T	5.09	3.38	5.44
Mercury	mg/kg-Wet	6	6	100	0.025 T	0.054	0.0367	0.031	0.046	0.025 T	0.054	0.0367	0.031	0.046
Nickel	mg/kg-Wet	6	5	83.3	0.213 J	0.321 J	0.264	0.261 J	0.29 J	0.213 J	0.328 UJT	0.248	0.236 J	0.29 J
Selenium	mg/kg-Wet	6	2	33.3	0.3 T	0.3	0.3	0.3 T	0.3 T	0.2 U	0.3 U	0.175	0.1 U	0.3 T
Silver	mg/kg-Wet	6	1	16.7	0.00405 T	0.00405 T	0.00405	0.00405 T	0.00405 T	0.0021 U	0.00405 T	0.00162	0.0011 U	0.00135 U
Thallium	mg/kg-Wet	6	4	66.7	0.002 J	0.0039 J	0.00295	0.0028 J	0.0031 J	0.0018 UT	0.0039 J	0.00227	0.002 J	0.0031 J
Zinc	mg/kg-Wet	6	6	100	12.7	15.6	14.1	14.1	14.9	12.7	15.6	14.1	14.1	14.9
PAHs														

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
2-Methylnaphthalene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Acenaphthene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Acenaphthylene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	6	0	0						33 UJT	33 UJT	16.5	16.5 UJT	16.5 UJT
Benzo(k)fluoranthene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Chrysene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	6	1	16.7	40 T	40 T	40	40 T	40 T	33 UT	40 T	20.4	16.5 UT	16.5 UT
Fluorene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	6	1	16.7	40 T	40 T	40	40 T	40 T	33 UT	49 UT	22.8	16.5 UT	24.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	6	1	16.7	60 T	60 T	60	60 T	60 T	33 UT	60 T	23.8	16.5 UT	16.5 UT
Naphthalene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Phenanthrene	ug/kg-Wet	6	1	16.7	60 T	60 T	60	60 T	60 T	33 UT	60 T	23.8	16.5 UT	16.5 UT
Pyrene	ug/kg-Wet	6	0	0						33 UT	49 UT	18.9	16.5 UT	23 UT
Total PAHs	ug/kg-Wet	6	1	16.7	100 T	100 T	100	100 T	100 T	33 UT	100 T	32.8	16.5 UT	24.5 UT
PCB_Congeners														
PCB001	ug/kg-Wet	2	2	100	0.00252 J	0.00399	0.00326	0.00252 J	0.00252 J	0.00252 J	0.00399	0.00326	0.00252 J	0.00252 J
PCB002	ug/kg-Wet	2	0	0						0.00174 UJ	0.00175 UJ	0.000873	0.00087 UJ	0.00087 UJ
PCB003	ug/kg-Wet	2	1	50	0.0027 J	0.0027 J	0.0027	0.0027 J	0.0027 J	0.00251 U	0.0027 J	0.00198	0.001255 U	0.001255 U
PCB004	ug/kg-Wet	6	6	100	0.0501	0.165	0.0922	0.0776 J	0.102	0.0501	0.165	0.0922	0.0776 J	0.102
PCB005	ug/kg-Wet	6	0	0						0.00226 U	0.0039 U	0.00135	0.0012 UJ	0.001425 UJ
PCB006	ug/kg-Wet	6	6	100	0.0125 J	0.0493	0.0257	0.021	0.0312	0.0125 J	0.0493	0.0257	0.021	0.0312
PCB007	ug/kg-Wet	6	0	0						0.00359 U	0.00381 UJ	0.00187	0.001895 U	0.001905 U
PCB008	ug/kg-Wet	6	6	100	0.0495 J	0.294	0.119	0.091	0.126	0.0495 J	0.294	0.119	0.091	0.126
PCB009	ug/kg-Wet	6	6	100	0.00496 J	0.0136	0.00974	0.00796	0.0129	0.00496 J	0.0136	0.00974	0.00796	0.0129
PCB010	ug/kg-Wet	6	2	33.3	0.00463	0.00524	0.00494	0.00463	0.00463	0.00463	0.00524	0.00326	0.002425 U	0.00463
PCB011	ug/kg-Wet	6	6	100	0.0289 J	0.0523 J	0.0374	0.0345	0.0398	0.0289 J	0.0523 J	0.0374	0.0345	0.0398
PCB012 & 013	ug/kg-Wet	6	0	0						0.00506 U	0.00537 UJ	0.00263	0.00267 U	0.002685 U
PCB014	ug/kg-Wet	6	0	0						0.00297 U	0.00356 U	0.00158	0.001575 UJ	0.001575 UJ
PCB015	ug/kg-Wet	6	6	100	0.00426	0.0485	0.0142	0.00754	0.0105	0.00426	0.0485	0.0142	0.00754	0.0105
PCB016	ug/kg-Wet	6	6	100	0.0886	0.321	0.186	0.151	0.256	0.0886	0.321	0.186	0.151	0.256
PCB017	ug/kg-Wet	6	6	100	0.155	0.447	0.281	0.213	0.391	0.155	0.447	0.281	0.213	0.391
PCB018 & 030	ug/kg-Wet	6	6	100	0.223 J	0.792 J	0.519	0.491 J	0.709 J	0.223 J	0.792 J	0.519	0.491 J	0.709 J
PCB019	ug/kg-Wet	6	6	100	0.0527	0.12	0.0829	0.069	0.105	0.0527	0.12	0.0829	0.069	0.105
PCB020 & 028	ug/kg-Wet	6	6	100	1.06 J	4.12 J	2.4	2.31 J	2.49 J	1.06 J	4.12 J	2.4	2.31 J	2.49 J
PCB021 & 033	ug/kg-Wet	6	6	100	0.0794 J	0.454 J	0.221	0.182 J	0.292 J	0.0794 J	0.454 J	0.221	0.182 J	0.292 J
PCB022	ug/kg-Wet	6	6	100	0.213	0.969	0.507	0.449	0.512	0.213	0.969	0.507	0.449	0.512
PCB023	ug/kg-Wet	6	0	0						0.00368 U	0.0039 U	0.00191	0.00194 U	0.00195 U
PCB024	ug/kg-Wet	6	5	83.3	0.0105	0.0165	0.0127	0.0116	0.0136	0.00504 U	0.0165	0.011	0.0113	0.0136
PCB025	ug/kg-Wet	6	6	100	0.018	0.0797	0.0425	0.0375	0.0535	0.018	0.0797	0.0425	0.0375	0.0535
PCB026 & 029	ug/kg-Wet	6	6	100	0.0859 J	0.383 J	0.218	0.207 J	0.253 J	0.0859 J	0.383 J	0.218	0.207 J	0.253 J
PCB027	ug/kg-Wet	6	6	100	0.0401	0.0954	0.0711	0.0665	0.0909	0.0401	0.0954	0.0711	0.0665	0.0909
PCB031	ug/kg-Wet	6	6	100	0.275	0.981	0.634	0.633	0.913	0.275	0.981	0.634	0.633	0.913
PCB032	ug/kg-Wet	6	6	100	0.122	0.407	0.263	0.228	0.337	0.122	0.407	0.263	0.228	0.337
PCB034	ug/kg-Wet	6	6	100	0.00458	0.0204	0.0102	0.00869	0.0113	0.00458	0.0204	0.0102	0.00869	0.0113
PCB035	ug/kg-Wet	6	3	50	0.00329	0.00585	0.00433	0.00384	0.00384	0.00235 U	0.00585	0.00282	0.0016 U	0.00384
PCB036	ug/kg-Wet	6	2	33.3	0.0639	0.109	0.0865	0.0639	0.0639	0.00393 U	0.109	0.0301	0.001975 U	0.0639
PCB037	ug/kg-Wet	6	6	100	0.0189	0.0955	0.0394	0.0265	0.0422	0.0189	0.0955	0.0394	0.0265	0.0422
PCB038	ug/kg-Wet	6	0	0						0.00277 U	0.00294 U	0.00144	0.00146 U	0.00147 U
PCB039	ug/kg-Wet	6	6	100	0.00443	0.0147	0.00749	0.00618	0.00758	0.00443	0.0147	0.00749	0.00618	0.00758
PCB040 & 041 & 071	ug/kg-Wet	6	6	100	0.447 J	1.64 J	0.936	0.822 J	1.1 J	0.447 J	1.64 J	0.936	0.822 J	1.1 J
PCB042	ug/kg-Wet	6	6	100	0.23	0.854	0.476	0.405	0.496	0.23	0.854	0.476	0.405	0.496
PCB043	ug/kg-Wet	6	6	100	0.0445	0.234	0.119	0.11	0.116	0.0445	0.234	0.119	0.11	0.116
PCB044 & 047 & 065	ug/kg-Wet	6	6	100	1.65 J	7.94 J	4.44	3.54 J	6.66 J	1.65 J	7.94 J	4.44	3.54 J	6.66 J
PCB045 & 051	ug/kg-Wet	6	6	100	0.0947 J	0.409 J	0.234	0.205 J	0.266 J	0.0947 J	0.409 J	0.234	0.205 J	0.266 J
PCB046	ug/kg-Wet	6	6	100	0.0353	0.114	0.0695	0.0657	0.0808	0.0353	0.114	0.0695	0.0657	0.0808
PCB048	ug/kg-Wet	6	6	100	0.122	0.58	0.302	0.256	0.313	0.122	0.58	0.302	0.256	0.313
PCB049 & 069	ug/kg-Wet	6	6	100	0.79 J	3.22 J	2.07	1.92 J	2.82 J	0.79 J	3.22 J	2.07	1.92 J	2.82 J
PCB050 & 053	ug/kg-Wet	6	6	100	0.0438 J	0.189 J	0.122	0.117 J	0.143 J	0.0438 J	0.189 J	0.122	0.117 J	0.143 J
PCB052	ug/kg-Wet	6	6	100	0.992	3.84	3	3.36	3.76	0.992	3.84	3	3.36	3.76
PCB054	ug/kg-Wet	6	6	100	0.0334	0.0852	0.0564	0.054	0.0727	0.0334	0.0852	0.0564	0.054	0.0727
PCB055	ug/kg-Wet	6	0	0						0.00456 U	0.00685 U	0.00254	0.00241 U	0.00242 U
PCB056	ug/kg-Wet	6	6	100	0.357	1.41	0.707	0.586	0.838	0.357	1.41	0.707	0.586	0.838
PCB057	ug/kg-Wet	6	6	100	0.00626	0.0294	0.0164	0.0127	0.0228	0.00626	0.0294	0.0164	0.0127	0.0228

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB058	ug/kg-Wet	6	3	50	0.0124	0.239	0.0919	0.0242	0.0242	0.00597 U	0.239	0.0475	0.003275 U	0.0242
PCB059 & 062 & 075	ug/kg-Wet	6	6	100	0.115 J	0.47 J	0.268	0.267 J	0.286 J	0.115 J	0.47 J	0.268	0.267 J	0.286 J
PCB060	ug/kg-Wet	6	6	100	0.391	1.61	0.788	0.665	0.774	0.391	1.61	0.788	0.665	0.774
PCB061 & 070 & 074 & 076	ug/kg-Wet	6	6	100	1.44 J	5.58 J	3.35	3.08 J	4.09 J	1.44 J	5.58 J	3.35	3.08 J	4.09 J
PCB063	ug/kg-Wet	6	6	100	0.0831	0.37	0.203	0.173	0.222	0.0831	0.37	0.203	0.173	0.222
PCB064	ug/kg-Wet	6	6	100	0.538	2.21	1.2	0.953	1.29	0.538	2.21	1.2	0.953	1.29
PCB066	ug/kg-Wet	6	6	100	1.85	7.3	4.02	3.57	4.22	1.85	7.3	4.02	3.57	4.22
PCB067	ug/kg-Wet	6	6	100	0.0102	0.0525	0.0277	0.0258	0.0303	0.0102	0.0525	0.0277	0.0258	0.0303
PCB068	ug/kg-Wet	6	6	100	0.0264	0.184	0.0758	0.047	0.092	0.0264	0.184	0.0758	0.047	0.092
PCB072	ug/kg-Wet	6	6	100	0.0303	0.113	0.0658	0.0496	0.0922	0.0303	0.113	0.0658	0.0496	0.0922
PCB073	ug/kg-Wet	6	2	33.3	0.0594	0.0597	0.0596	0.0594	0.0594	0.00629 U	0.0597	0.022	0.00316 U	0.0594
PCB077	ug/kg-Wet	6	6	100	0.0249	0.0867	0.0472	0.0324	0.0643	0.0249	0.0867	0.0472	0.0324	0.0643
PCB078	ug/kg-Wet	6	4	66.7	0.00472	0.0917	0.0423	0.00866	0.064	0.00412 U	0.0917	0.0289	0.00472	0.064
PCB079	ug/kg-Wet	6	6	100	0.0392	0.146	0.0742	0.0583	0.0823	0.0392	0.146	0.0742	0.0583	0.0823
PCB080	ug/kg-Wet	6	0	0						0.00574 U	0.00609 U	0.00299	0.00303 U	0.003045 U
PCB081	ug/kg-Wet	6	6	100	0.00836	0.0202	0.0123	0.0108	0.0133	0.00836	0.0202	0.0123	0.0108	0.0133
PCB082	ug/kg-Wet	6	6	100	0.255	0.438	0.343	0.338	0.393	0.255	0.438	0.343	0.338	0.393
PCB083 & 099	ug/kg-Wet	6	6	100	2.03 J	11 J	6.17	5.88 J	6.75 J	2.03 J	11 J	6.17	5.88 J	6.75 J
PCB084	ug/kg-Wet	6	6	100	0.405	1.07	0.767	0.738	1.07	0.405	1.07	0.767	0.738	1.07
PCB085 & 116 & 117	ug/kg-Wet	6	6	100	0.663 J	1.92 J	1.34	1.35 J	1.73 J	0.663 J	1.92 J	1.34	1.35 J	1.73 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	6	6	100	1.65 J	5.39 J	3.58	3.6 J	4.31 J	1.65 J	5.39 J	3.58	3.6 J	4.31 J
PCB088 & 091	ug/kg-Wet	6	6	100	0.251 J	0.995 J	0.701	0.66 J	0.93 J	0.251 J	0.995 J	0.701	0.66 J	0.93 J
PCB089	ug/kg-Wet	6	6	100	0.0155	0.036	0.0252	0.0212 J	0.032	0.0155	0.036	0.0252	0.0212 J	0.032
PCB090 & 101 & 113	ug/kg-Wet	6	6	100	2.15 J	34.9 J	10.9	5.91 J	8.58 J	2.15 J	34.9 J	10.9	5.91 J	8.58 J
PCB092	ug/kg-Wet	6	6	100	0.774	5.22	2.35	1.7	2.6	0.774	5.22	2.35	1.7	2.6
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	6	6	100	1.37 J	13.4 J	5.42	3.98 J	5.75 J	1.37 J	13.4 J	5.42	3.98 J	5.75 J
PCB094	ug/kg-Wet	6	6	100	0.0209	0.0852	0.0532	0.0429	0.0815	0.0209	0.0852	0.0532	0.0429	0.0815
PCB096	ug/kg-Wet	6	6	100	0.0144	0.0537	0.033	0.0268	0.0513	0.0144	0.0537	0.033	0.0268	0.0513
PCB103	ug/kg-Wet	6	6	100	0.0578	0.416	0.176	0.102	0.213	0.0578	0.416	0.176	0.102	0.213
PCB104	ug/kg-Wet	6	3	50	0.00917	0.0104	0.00985	0.00999	0.00999	0.00702 U	0.0104	0.00674	0.003705 U	0.00999
PCB105	ug/kg-Wet	6	6	100	1.16	4.35	3.01	3.11	3.88	1.16	4.35	3.01	3.11	3.88
PCB106	ug/kg-Wet	6	0	0						0.00919 U	0.00976 U	0.00478	0.004855 U	0.00488 U
PCB107 & 124	ug/kg-Wet	6	6	100	0.0596 J	0.232 J	0.124	0.109 J	0.134 J	0.0596 J	0.232 J	0.124	0.109 J	0.134 J
PCB109	ug/kg-Wet	6	6	100	0.384	1.57	0.953	0.731	1.32	0.384	1.57	0.953	0.731	1.32
PCB110 & 115	ug/kg-Wet	6	6	100	3.15 J	7.77 J	6.23	6.36 J	7.56 J	3.15 J	7.77 J	6.23	6.36 J	7.56 J
PCB111	ug/kg-Wet	6	6	100	0.0109	0.058	0.0235	0.0147	0.0272	0.0109	0.058	0.0235	0.0147	0.0272
PCB112	ug/kg-Wet	6	0	0						0.00654 U	0.00694 U	0.0034	0.003455 U	0.00347 U
PCB114	ug/kg-Wet	6	6	100	0.0762	0.362	0.216	0.214	0.245	0.0762	0.362	0.216	0.214	0.245
PCB118	ug/kg-Wet	6	6	100	3.2	21.4	11.4	9.65	16.8	3.2	21.4	11.4	9.65	16.8
PCB120	ug/kg-Wet	6	6	100	0.0402	0.297	0.111	0.0676	0.139	0.0402	0.297	0.111	0.0676	0.139
PCB121	ug/kg-Wet	6	6	100	0.00654	0.0264	0.0156	0.0121	0.0242	0.00654	0.0264	0.0156	0.0121	0.0242
PCB122	ug/kg-Wet	6	6	100	0.0396	0.0871 J	0.0719	0.0657	0.087	0.0396	0.0871 J	0.0719	0.0657	0.087
PCB123	ug/kg-Wet	6	6	100	0.0603	0.365	0.174	0.144	0.176	0.0603	0.365	0.174	0.144	0.176
PCB126	ug/kg-Wet	6	6	100	0.0139	0.0421	0.0271	0.0224	0.04	0.0139	0.0421	0.0271	0.0224	0.04
PCB127	ug/kg-Wet	6	4	66.7	0.0157	0.0484	0.0271	0.0182	0.0259	0.00956 U	0.0484	0.0197	0.0157	0.0259
PCB128 & 166	ug/kg-Wet	6	6	100	1 J	13.7 J	4.06	2.04 J	3.33 J	1 J	13.7 J	4.06	2.04 J	3.33 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	6	6	100	8.21 J	206 J	52.9	24.4 J	31.4 J	8.21 J	206 J	52.9	24.4 J	31.4 J
PCB130	ug/kg-Wet	6	6	100	0.505	7.56	2.01	0.959	1.15	0.505	7.56	2.01	0.959	1.15
PCB131	ug/kg-Wet	6	6	100	0.0317	0.398	0.115	0.058	0.104	0.0317	0.398	0.115	0.058	0.104
PCB132	ug/kg-Wet	6	6	100	1.12	5.37	2.85	1.98	4.35	1.12	5.37	2.85	1.98	4.35
PCB133	ug/kg-Wet	6	6	100	0.185	3.16	0.891	0.429	0.741	0.185	3.16	0.891	0.429	0.741
PCB134 & 143	ug/kg-Wet	6	4	66.7	0.21 J	3.76 J	1.22	0.216 J	0.704 J	0.00986 U	3.76 J	0.817	0.21 J	0.704 J
PCB135 & 151 & 154	ug/kg-Wet	6	6	100	2.14 J	46.8 J	12.1	3.99 J	8.28 J	2.14 J	46.8 J	12.1	3.99 J	8.28 J
PCB136	ug/kg-Wet	6	6	100	0.41	2.87	1.26	0.708	1.79	0.41	2.87	1.26	0.708	1.79
PCB137	ug/kg-Wet	6	6	100	0.278	2.6	1.1	0.728	1.53	0.278	2.6	1.1	0.728	1.53
PCB139 & 140	ug/kg-Wet	6	6	100	0.0829 J	0.309 J	0.219	0.199 J	0.278 J	0.0829 J	0.309 J	0.219	0.199 J	0.278 J
PCB141	ug/kg-Wet	6	6	100	1.21	29.7	7.7	3.2	5.07	1.21	29.7	7.7	3.2	5.07
PCB142	ug/kg-Wet	6	0	0						0.00567 U	0.0121 U	0.00375	0.003005 U	0.004765 U
PCB144	ug/kg-Wet	6	6	100	0.18	10.1	2.11	0.387	0.96	0.18	10.1	2.11	0.387	0.96
PCB145	ug/kg-Wet	6	0	0						0.00223 U	0.00236 U	0.00116	0.001175 U	0.00118 U
PCB146	ug/kg-Wet	6	6	100	1.82	47.2	12.2	5.3	8.78	1.82	47.2	12.2	5.3	8.78
PCB147 & 149	ug/kg-Wet	6	6	100	3.53 J	104 J	24.2	6.68 J	14.1 J	3.53 J	104 J	24.2	6.68 J	14.1 J
PCB148	ug/kg-Wet	6	6	100	0.0302	0.108	0.0654	0.0471	0.105	0.0302	0.108	0.0654	0.0471	0.105
PCB150	ug/kg-Wet	6	6	100	0.0105	0.087	0.0394	0.024	0.054	0.0105	0.087	0.0394	0.024	0.054
PCB152	ug/kg-Wet	6	6	100	0.00576	0.0238	0.0136	0.0121	0.0204	0.00576	0.0238	0.0136	0.0121	0.0204
PCB153 & 168	ug/kg-Wet	6	6	100	5.47 J	285 J	65.8	23 J	42.1 J	5.47 J	285 J	65.8	23 J	42.1 J
PCB155	ug/kg-Wet	6	4	66.7	0.00491	0.01	0.00714	0.00563	0.00801	0.00431 U	0.01	0.00548	0.00491	0.00801
PCB156	ug/kg-Wet	6	6	100	0.529	17.2	4.4	1.77	3.12	0.529	17.2	4.4	1.77	3.12
PCB157	ug/kg-Wet	6	6	100	0.0931	0.979	0.409	0.226	0.677	0.0931	0.979	0.409	0.226	0.677

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB158	ug/kg-Wet	6	6	100	0.644	19.5	4.76	2.18	2.4	0.644	19.5	4.76	2.18	2.4
PCB159	ug/kg-Wet	6	6	100	0.0573	2.45	0.532	0.0949	0.291	0.0573	2.45	0.532	0.0949	0.291
PCB161	ug/kg-Wet	6	0	0						0.00628 U	0.00783 U	0.00337	0.003315 U	0.003335 U
PCB162	ug/kg-Wet	6	6	100	0.0342	0.302	0.104	0.0543	0.12	0.0342	0.302	0.104	0.0543	0.12
PCB164	ug/kg-Wet	6	6	100	0.401	15.2	3.36	1.22	1.38	0.401	15.2	3.36	1.22	1.38
PCB165	ug/kg-Wet	6	5	83.3	0.0116	0.0398	0.0248	0.0201	0.0362	0.00725 U	0.0398	0.0213	0.0164	0.0362
PCB167	ug/kg-Wet	6	6	100	0.296	8.27	2.19	0.829	1.78	0.296	8.27	2.19	0.829	1.78
PCB169	ug/kg-Wet	6	6	100	0.00141	0.00445	0.00227	0.00143	0.00286	0.00141	0.00445	0.00227	0.00143	0.00286
PCB170	ug/kg-Wet	6	6	100	2.08	99.5	21.8	6.9	10.7	2.08	99.5	21.8	6.9	10.7
PCB171 & 173	ug/kg-Wet	6	6	100	0.641 J	16.7 J	4.17	1.51 J	2.65 J	0.641 J	16.7 J	4.17	1.51 J	2.65 J
PCB172	ug/kg-Wet	6	6	100	0.473	16.3	3.68	1.22	1.88	0.473	16.3	3.68	1.22	1.88
PCB174	ug/kg-Wet	6	6	100	1.46	72.9	15	2.39	6.45	1.46	72.9	15	2.39	6.45
PCB175	ug/kg-Wet	6	6	100	0.0843	3.77	0.831	0.221	0.416	0.0843	3.77	0.831	0.221	0.416
PCB176	ug/kg-Wet	6	6	100	0.109	4.88	1.06	0.195	0.682	0.109	4.88	1.06	0.195	0.682
PCB177	ug/kg-Wet	6	6	100	1.45	59.4	12.3	2.17	4.88	1.45	59.4	12.3	2.17	4.88
PCB178	ug/kg-Wet	6	6	100	0.6	20.1	4.51	1.12	2.34	0.6	20.1	4.51	1.12	2.34
PCB179	ug/kg-Wet	6	6	100	0.666	8.47	2.66	1.05	2.72	0.666	8.47	2.66	1.05	2.72
PCB180 & 193	ug/kg-Wet	6	6	100	5.89 J	294 J	66.7	22.6 J	43.7 J	5.89 J	294 J	66.7	22.6 J	43.7 J
PCB181	ug/kg-Wet	6	6	100	0.0211	0.451	0.119	0.0469	0.0938	0.0211	0.451	0.119	0.0469	0.0938
PCB182	ug/kg-Wet	6	5	83.3	0.0192 J	0.0688	0.0452	0.0385	0.0681	0.00799 U	0.0688	0.0383	0.0312	0.0681
PCB183 & 185	ug/kg-Wet	6	6	100	1.41 J	71.7 J	15.7	4.14 J	8.13 J	1.41 J	71.7 J	15.7	4.14 J	8.13 J
PCB184	ug/kg-Wet	6	1	16.7	0.0103	0.0103	0.0103	0.0103	0.0103	0.00664 U	0.0103	0.00458	0.003505 U	0.003525 U
PCB186	ug/kg-Wet	6	0	0						0.00382 U	0.00406 U	0.00199	0.00202 U	0.00203 U
PCB187	ug/kg-Wet	6	6	100	4.22	163	36.9	11.5	21.7	4.22	163	36.9	11.5	21.7
PCB188	ug/kg-Wet	6	6	100	0.00919	0.0676	0.0247	0.0139	0.0293	0.00919	0.0676	0.0247	0.0139	0.0293
PCB189	ug/kg-Wet	6	6	100	0.0677	4.14	0.909	0.267	0.579	0.0677	4.14	0.909	0.267	0.579
PCB190	ug/kg-Wet	6	6	100	0.467	15.6	3.72	1.47	2.22	0.467	15.6	3.72	1.47	2.22
PCB191	ug/kg-Wet	6	6	100	0.081	5.11	1.11	0.355	0.602	0.081	5.11	1.11	0.355	0.602
PCB192	ug/kg-Wet	6	0	0						0.00345 U	0.00366 U	0.0018	0.00182 U	0.00183 U
PCB194	ug/kg-Wet	6	6	100	0.833	32.7	7.59	2.91	4.67	0.833	32.7	7.59	2.91	4.67
PCB195	ug/kg-Wet	6	6	100	0.364	13.3	3.14	1.11	1.96	0.364	13.3	3.14	1.11	1.96
PCB196	ug/kg-Wet	6	6	100	0.464	18.4	4.37	1.62	3	0.464	18.4	4.37	1.62	3
PCB197 & 200	ug/kg-Wet	6	6	100	0.123 J	3.46 J	0.801	0.205 J	0.438 J	0.123 J	3.46 J	0.801	0.205 J	0.438 J
PCB198 & 199	ug/kg-Wet	6	6	100	1.24 J	33 J	8.03	3.33 J	4.86 J	1.24 J	33 J	8.03	3.33 J	4.86 J
PCB201	ug/kg-Wet	6	6	100	0.135	3.94	0.94	0.263	0.608	0.135	3.94	0.94	0.263	0.608
PCB202	ug/kg-Wet	6	6	100	0.237	5.01	1.28	0.436	0.861	0.237	5.01	1.28	0.436	0.861
PCB203	ug/kg-Wet	6	6	100	0.775	6.94	2.65	2.04	2.61	0.775	6.94	2.65	2.04	2.61
PCB204	ug/kg-Wet	6	0	0						0.00912 U	0.00968 U	0.00475	0.004815 U	0.00484 U
PCB205	ug/kg-Wet	6	6	100	0.0469	0.885	0.241	0.11	0.174	0.0469	0.885	0.241	0.11	0.174
PCB206	ug/kg-Wet	6	6	100	0.376	1.77	0.821	0.612	0.816	0.376	1.77	0.821	0.612	0.816
PCB207	ug/kg-Wet	6	6	100	0.0619	0.606	0.192	0.106	0.154	0.0619	0.606	0.192	0.106	0.154
PCB208	ug/kg-Wet	6	6	100	0.176	0.849	0.331	0.212	0.288	0.176	0.849	0.331	0.212	0.288
PCB209	ug/kg-Wet	6	6	100	0.195	0.264	0.229	0.226	0.252	0.195	0.264	0.229	0.226	0.252
Total PCB Congeners	ug/kg-Wet	6	6	100	83.3 JT	1950 JT	511	236 JT	354 JT	83.3 JT	1950 JT	511	236 JT	354 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	6	6	100	0.177 T	0.61 T	0.3	0.224 JT	0.318 T	0.177 T	0.61 T	0.3	0.224 JT	0.318 T
Heptachlorobiphenyl homologs	ug/kg-Wet	6	6	100	19.8 JT	856 JT	191	56.2 JT	107 JT	19.8 JT	856 JT	191	56.2 JT	107 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	6	6	100	28.6 JT	832 JT	206	90.5 JT	126 JT	28.6 JT	832 JT	206	90.5 JT	126 JT
Monochlorobiphenyl homologs	ug/kg-Wet	2	2	100	0.00252 JT	0.00669 JT	0.00461	0.00252 JT	0.00252 JT	0.00252 JT	0.00669 JT	0.00461	0.00252 JT	0.00252 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	6	6	100	0.614 T	3.23 T	1.35	0.93 T	1.22 T	0.614 T	3.23 T	1.35	0.93 T	1.22 T
Octachlorobiphenyl homologs	ug/kg-Wet	6	6	100	4.22 JT	118 JT	29.1	12 JT	19.2 JT	4.22 JT	118 JT	29.1	12 JT	19.2 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	6	6	100	17.9 JT	109 JT	54.2	48.3 JT	53.4 JT	17.9 JT	109 JT	54.2	48.3 JT	53.4 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	6	6	100	9.41 JT	37.3 JT	22.8	21.9 JT	27.3 JT	9.41 JT	37.3 JT	22.8	21.9 JT	27.3 JT
Trichlorobiphenyl homologs	ug/kg-Wet	6	6	100	2.45 JT	8.9 JT	5.53	5.06 JT	6.82 JT	2.45 JT	8.9 JT	5.53	5.06 JT	6.82 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	1	16.7	12 NJ	12 NJ	12	12 NJ	12 NJ	1.6 U	12 NJ	3.48	1.1 U	4.3 UT
2,4'-DDE	ug/kg-Wet	6	0	0						1 UJ	7.5 UT	1.37	0.65 UJ	2 U
2,4'-DDT	ug/kg-Wet	6	5	83.3	3.3 N	14 N	9.1	8.1 NJ	12 NJ	3.3 N	14 N	8.16	8.1 NJ	12 NJ
4,4'-DDD	ug/kg-Wet	6	6	100	6.9 J	13	9.38	8 JT	12	6.9 J	13	9.38	8 JT	12
4,4'-DDE	ug/kg-Wet	6	6	100	29.5 JT	70	47.4	42 J	58	29.5 JT	70	47.4	42 J	58
4,4'-DDT	ug/kg-Wet	6	5	83.3	5.3 J	46	23.1	24	25	5.3 J	46	19.7	15 N	25
Aldrin	ug/kg-Wet	6	0	0						1 U	13 UT	1.75	0.5 U	2 U
alpha-Endosulfan	ug/kg-Wet	6	0	0						1 U	20 U	2.33	0.5 U	2 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	6.4 UT	1.2	0.5 U	2 U
beta-Endosulfan	ug/kg-Wet	6	2	33.3	2.3 NJ	8.6 NJ	5.45	2.3 NJ	2.3 NJ	1 U	15 UT	3.9	2.3 NJ	7.5 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 UJ	8.5 UT	1.9	1.15 UJ	3.4 U
cis-Chlordane	ug/kg-Wet	6	2	33.3	1.7 NJ	27	14.4	1.7 NJ	1.7 NJ	1 U	27	6.98	1.7 NJ	10 U
cis-Nonachlor	ug/kg-Wet	6	0	0						3 UJ	11 UJ	3.68	3.55 UT	4.4 UJ
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	7.3 UT	1.28	0.5 U	2 U

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Dieldrin	ug/kg-Wet	6	2	33.3	1.2 NJ	2.6 NJ	1.9	1.2 NJ	1.2 NJ	1.2 NJ	14 UT	2.48	1.2 NJ	2.6 NJ
Endosulfan sulfate	ug/kg-Wet	6	0	0						1 U	12 UT	1.67	0.5 U	2 U
Endrin aldehyde	ug/kg-Wet	6	0	0						1 UJ	8.5 UT	1.67	0.85 UJ	2 U
Endrin ketone	ug/kg-Wet	6	0	0						1 UJ	7.5 UT	1.29	0.5 UJ	2 U
Endrin	ug/kg-Wet	6	0	0						1 U	20 UT	2.35	0.5 U	2 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	3	50	1.4 N	1.9 N	1.6	1.5 N	1.5 N	1 U	9.6 UT	2.02	1.5 N	2 U
Heptachlor epoxide	ug/kg-Wet	6	0	0						1 U	8 UT	1.33	0.5 U	2 U
Heptachlor	ug/kg-Wet	6	0	0						1 U	13 UT	1.75	0.5 U	2 U
Methoxychlor	ug/kg-Wet	6	1	16.7	1.1 NJ	1.1 NJ	1.1	1.1 NJ	1.1 NJ	1 UJ	4.8 UT	1.18	0.55 U	2 U
Mirex	ug/kg-Wet	6	0	0						1 U	6.2 UT	1.18	0.5 U	2 UJ
Oxychlordane	ug/kg-Wet	6	0	0						1 U	20 UT	2.33	0.5 U	2 UJ
Total Chlordanes	ug/kg-Wet	6	4	66.7	1.8 JT	67 T	20	3.7 JT	7.3 JT	1.8 JT	67 T	15.7	4.4 UJT	10 UT
Total Endosulfan	ug/kg-Wet	6	2	33.3	2.3 JT	8.6 JT	5.45	2.3 JT	2.3 JT	1 UT	20 UT	4.32	2.3 JT	8.6 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	37.5 JT	141 JT	85.6	87.4 JT	102 JT	37.5 JT	141 JT	85.6	87.4 JT	102 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	6	100	6.9 JT	25 JT	11.4	8 JT	12 T	6.9 JT	25 JT	11.4	8 JT	12 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	29.5 JT	70 T	47.4	42 JT	58 T	29.5 JT	70 T	47.4	42 JT	58 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	5	83.3	8.6 JT	58 JT	32.2	33.1 JT	38 T	6.9 UT	58 JT	27.4	23.1 JT	38 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	37.5 JT	117 T	76	73.4 JT	94 JT	37.5 JT	117 T	76	73.4 JT	94 JT
Toxaphene	ug/kg-Wet	6	0	0						120 U	5700 U	610	85 U	480 UJ
trans-Chlordane	ug/kg-Wet	6	1	16.7	25	25	25	25	25	1 U	25	5.45	0.5 U	4.2 UT
trans-Nonachlor	ug/kg-Wet	6	4	66.7	1.8 NJ	15	6.53	3.7 NJ	5.6 NJ	1.8 NJ	15	5.6	3.7 NJ	5.6 NJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						1600 UJ	1700 U	833	850 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						820 U	830 U	413	415 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	6	0	0						490 U	500 U	248	250 U	250 U
2-Chlorophenol	ug/kg-Wet	6	0	0						33 UT	56 UT	18.4	16.5 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
2-Nitrophenol	ug/kg-Wet	6	0	0						1600 U	1700 U	817	800 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						3300 U	3300 U	1650	1650 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
4-Methylphenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
Pentachlorophenol	ug/kg-Wet	6	0	0						160 UT	190 UT	86.7	85 UT	90 UT
Phenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	6	1	16.7	2700 T	2700 T	2700	2700 T	2700 T	98 UT	2700 T	491	49.5 UT	50 UT
Butylbenzyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Dibutyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Diethyl phthalate	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
Dimethyl phthalate	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						33 U	33 U	16.5	16.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						820 U	830 U	413	415 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
3-Nitroaniline	ug/kg-Wet	6	0	0						820 U	830 U	413	415 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						160 UJT	170 UJT	83.3	85 UJT	85 UJT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						82 UT	83 UT	41.3	41.5 UT	41.5 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						820 U	830 U	413	415 U	415 U
Aniline	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
Azobenzene	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
Benzoic acid	ug/kg-Wet	6	0	0						8200 UJ	8300 UJ	4130	4150 UJ	4150 UJ
Benzyl alcohol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Hexachlorobenzene	ug/kg-Wet	6	0	0						1 UT	33 UT	9.2	3.2 UT	16.5 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						1 UJT	4.6 UT	1.05	0.5 UJT	2 UT
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						820 U	830 U	413	415 U	415 U
Hexachloroethane	ug/kg-Wet	6	0	0						1 UJT	33 UT	4.42	0.5 UJT	6.5 UT
Isophorone	ug/kg-Wet	6	0	0						1600 U	1700 U	817	800 U	850 U
Nitrobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						160 UT	170 UT	83.3	85 UT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	6	0	0						160 U	170 U	83.3	85 U	85 U
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
UPRIVER														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	3	0	0						0.95 U	2 U	0.758	0.8 U	0.8 U
Aroclor 1221	ug/kg-Wet	3	0	0						0.95 U	4.3 U	1.38	1.5 U	1.5 U
Aroclor 1232	ug/kg-Wet	3	0	0						0.95 U	3.4 U	1.24	1.55 U	1.55 U
Aroclor 1242	ug/kg-Wet	3	0	0						0.95 U	3.1 U	1.14	1.4 U	1.4 U
Aroclor 1248	ug/kg-Wet	3	1	33.3	7.6	7.6	7.6	7.6	7.6	4.9 U	9.7 U	4.97	4.85 U	4.85 U
Aroclor 1254	ug/kg-Wet	3	0	0						10 U	22 U	7.83	7.5 U	7.5 U
Aroclor 1260	ug/kg-Wet	3	3	100	15 J	44 J	26.3	20 J	20 J	15 J	44 J	26.3	20 J	20 J
Aroclor 1262	ug/kg-Wet	3	0	0						0.95 U	0.95 U	0.475	0.475 U	0.475 U
Aroclor 1268	ug/kg-Wet	3	0	0						0.95 U	0.95 U	0.475	0.475 U	0.475 U
Total PCB Aroclors	ug/kg-Wet	3	3	100	15 JT	44 JT	28.9	27.6 JT	27.6 JT	15 JT	44 JT	28.9	27.6 JT	27.6 JT
Conventionals														
Lipids	percent-Wet	3	3	100	2.1	2.6	2.27	2.1	2.1	2.1	2.6	2.27	2.1	2.1
Total solids	percent-Wet	3	3	100	22.4	24.1	23.2	23 T	23 T	22.4	24.1	23.2	23 T	23 T
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.128	0.299	0.188	0.136	0.136	0.128	0.299	0.188	0.136	0.136
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.369	0.931	0.698	0.795	0.795	0.369	0.931	0.698	0.795	0.795
Hexachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.309	0.428	0.374	0.384	0.384	0.309	0.428	0.374	0.384	0.384
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.482	1.5	1.08	1.26	1.26	0.482	1.5	1.08	1.26	1.26
Octachlorodibenzofuran	pg/g-Wet	3	0	0						0.045 U	0.046 U	0.0228	0.023 U	0.023 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.273	0.632	0.453	0.273	0.273	0.273	0.632	0.381	0.273	0.273
Pentachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.579	0.871	0.752	0.807	0.807	0.579	0.871	0.752	0.807	0.807
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.188	0.6	0.405	0.427	0.427	0.188	0.6	0.405	0.427	0.427
Tetrachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.375	0.658	0.512	0.503	0.503	0.375	0.658	0.512	0.503	0.503
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.194	2.21	0.872	0.211	0.211	0.194	2.21	0.872	0.211	0.211
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	3	3	100	0.067	0.172	0.115	0.107 J	0.107 J	0.067	0.172	0.115	0.107 J	0.107 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.259	0.572	0.452	0.524	0.524	0.259	0.572	0.452	0.524	0.524
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	3	1	33.3	0.016 J	0.016 J	0.016	0.016 J	0.016 J	0.016 J	0.016 U	0.0107	0.008 U	0.008 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	3	100	0.032	0.071	0.0503	0.048	0.048	0.032	0.071	0.0503	0.048	0.048
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.069	0.206	0.138	0.138	0.138	0.069	0.206	0.138	0.138	0.138
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	3	100	0.021	0.05 J	0.0383	0.044	0.044	0.021	0.05 J	0.0383	0.044	0.044
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.343	0.893	0.693	0.844	0.844	0.343	0.893	0.693	0.844	0.844
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.011 U	0.011 U	0.0055	0.0055 U	0.0055 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.048 J	0.174	0.109	0.105	0.105	0.048 J	0.174	0.109	0.105	0.105
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	3	100	0.035	0.088	0.062	0.063	0.063	0.035	0.088	0.062	0.063	0.063
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.188	0.551	0.384	0.413	0.413	0.188	0.551	0.384	0.413	0.413
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	3	100	0.028	0.047	0.0393	0.043	0.043	0.028	0.047	0.0393	0.043	0.043
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	3	100	0.118	0.235	0.19	0.218	0.218	0.118	0.235	0.19	0.218	0.218
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	3	3	100	0.186	0.266	0.237	0.259	0.259	0.186	0.266	0.237	0.259	0.259
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.143	2.11	0.807	0.169	0.169	0.143	2.11	0.807	0.169	0.169
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.475 JT	2.95 JT	1.43	0.855 JT	0.855 JT	0.475 JT	2.95 JT	1.43	0.855 JT	0.855 JT
Dioxin-like PCB congener TCDD toxicity equiv	pg/g-Wet	3	3	100	0.723 T	1.95 T	1.24	1.04 T	1.04 T	0.723 T	1.95 T	1.24	1.04 T	1.04 T
Total PCDD/F	pg/g-Wet	3	3	100	3.03 T	7.45 T	5.18	5.06 T	5.06 T	3.03 T	7.45 T	5.18	5.06 T	5.06 T
Total TCDD toxicity equivalent	pg/g-Wet	3	3	100	1.2 JT	3.99 JT	2.67	2.81 JT	2.81 JT	1.2 JT	3.99 JT	2.67	2.81 JT	2.81 JT
Metals														
Aluminum	mg/kg-Wet	3	3	100	18.6 JT	115 J	57.4	38.6 J	38.6 J	18.6 JT	115 J	57.4	38.6 J	38.6 J
Antimony	mg/kg-Wet	3	0	0						0.001 UT	0.006 U	0.00167	0.0015 U	0.0015 U
Arsenic	mg/kg-Wet	3	3	100	0.07 J	0.09 JT	0.08	0.08 J	0.08 J	0.07 J	0.09 JT	0.08	0.08 J	0.08 J
Cadmium	mg/kg-Wet	3	3	100	0.0045 JT	0.006	0.0055	0.006	0.006	0.0045 JT	0.006	0.0055	0.006	0.006
Chromium	mg/kg-Wet	3	3	100	0.485 T	2.04	1.08	0.7	0.7	0.485 T	2.04	1.08	0.7	0.7
Copper	mg/kg-Wet	3	3	100	0.625 T	0.89	0.722	0.65	0.65	0.625 T	0.89	0.722	0.65	0.65
Lead	mg/kg-Wet	3	3	100	0.015 T	0.021	0.0183	0.019	0.019	0.015 T	0.021	0.0183	0.019	0.019
Manganese	mg/kg-Wet	3	3	100	2.65 T	7.22	4.46	3.52	3.52	2.65 T	7.22	4.46	3.52	3.52
Mercury	mg/kg-Wet	3	3	100	0.054 T	0.094	0.0717	0.067	0.067	0.054 T	0.094	0.0717	0.067	0.067
Nickel	mg/kg-Wet	3	3	100	0.19 T	0.82	0.427	0.27	0.27	0.19 T	0.82	0.427	0.27	0.27
Selenium	mg/kg-Wet	3	0	0						0.2 UT	0.2 U	0.1	0.1 U	0.1 U
Silver	mg/kg-Wet	3	0	0						0.007 UT	0.009 U	0.00383	0.0035 U	0.0035 U

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Thallium	mg/kg-Wet	3	3	100	0.0015 JT	0.0018 J	0.00167	0.0017 J	0.0017 J	0.0015 JT	0.0018 J	0.00167	0.0017 J	0.0017 J
Zinc	mg/kg-Wet	3	3	100	13.9 T	14.5	14.3	14.4	14.4	13.9 T	14.5	14.3	14.4	14.4
PAHs														
2-Methylnaphthalene	ug/kg-Wet	3	0	0						33 UT	73 UT	23.2	16.5 UT	16.5 UT
Acenaphthene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Acenaphthylene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Anthracene	ug/kg-Wet	3	0	0						33 UT	86 UT	25.3	16.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Chrysene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	3	0	0						33 UT	93 UT	26.5	16.5 UT	16.5 UT
Fluorene	ug/kg-Wet	3	0	0						33 UT	66 UT	22	16.5 UT	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	3	0	0						33 UT	93 UT	26.5	16.5 UT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	3	0	0						33 UT	86 UT	25.3	16.5 UT	16.5 UT
Naphthalene	ug/kg-Wet	3	0	0						33 UT	70 UT	22.7	16.5 UT	16.5 UT
Phenanthrene	ug/kg-Wet	3	0	0						33 UT	83 UT	24.8	16.5 UT	16.5 UT
Pyrene	ug/kg-Wet	3	0	0						33 UT	50 UT	19.3	16.5 UT	16.5 UT
Total PAHs	ug/kg-Wet	3	0	0						33 UT	93 UT	26.5	16.5 UT	16.5 UT
PCB_Congeners														
PCB004	pg/g-Wet	3	0	0						12.1 U	12.9 U	6.22	6.15 UT	6.15 UT
PCB005	pg/g-Wet	3	0	0						4.19 U	4.45 UT	2.18	2.225 U	2.225 U
PCB006	pg/g-Wet	3	0	0						6.25 U	6.63 U	3.2	3.165 UT	3.165 UT
PCB007	pg/g-Wet	3	0	0						6.64 U	7.05 U	3.4	3.365 UT	3.365 UT
PCB008	pg/g-Wet	3	0	0						9.09 U	9.64 U	4.66	4.6 UT	4.6 UT
PCB009	pg/g-Wet	3	0	0						4.39 U	4.66 UT	2.29	2.33 U	2.33 U
PCB010	pg/g-Wet	3	0	0						8.45 U	8.97 U	4.33	4.28 UT	4.28 UT
PCB011	pg/g-Wet	3	1	33.3	97.1 J	97.1 J	97.1	97.1 J	97.1 J	41 UT	97.1 J	46.4	21.5 U	21.5 U
PCB012 & 013	pg/g-Wet	3	0	0						9.37 U	9.94 U	4.8	4.745 UT	4.745 UT
PCB014	pg/g-Wet	3	0	0						5.5 U	5.84 U	2.82	2.785 UT	2.785 UT
PCB015	pg/g-Wet	3	0	0						4.25 U	5.06 UT	2.36	2.43 U	2.43 U
PCB016	pg/g-Wet	3	3	100	9.14	11	9.92	9.61 JT	9.61 JT	9.14	11	9.92	9.61 JT	9.61 JT
PCB017	pg/g-Wet	3	2	66.7	7.43 JT	8.68	8.06	7.43 JT	7.43 JT	6.9 U	8.68	6.52	7.43 JT	7.43 JT
PCB018 & 030	pg/g-Wet	3	3	100	24.2 JT	43.3 J	31.3	26.4 J	26.4 J	24.2 JT	43.3 J	31.3	26.4 J	26.4 J
PCB019	pg/g-Wet	3	0	0						6.78 U	7.19 U	3.47	3.43 UT	3.43 UT
PCB020 & 028	pg/g-Wet	3	3	100	158 J	197 J	171	159 JT	159 JT	158 J	197 J	171	159 JT	159 JT
PCB021 & 033	pg/g-Wet	3	1	33.3	13.9 J	13.9 J	13.9	13.9 J	13.9 J	11.4 UT	13.9 J	8.52	5.95 U	5.95 U
PCB022	pg/g-Wet	3	3	100	32.3	42.5	37.9	39 T	39 T	32.3	42.5	37.9	39 T	39 T
PCB023	pg/g-Wet	3	0	0						6.81 U	7.22 U	3.49	3.445 UT	3.445 UT
PCB024	pg/g-Wet	3	0	0						8.8 U	9.33 U	4.51	4.455 UT	4.455 UT
PCB025	pg/g-Wet	3	0	0						5.4 U	5.73 U	2.77	2.73 UT	2.73 UT
PCB026 & 029	pg/g-Wet	3	3	100	17.5 JT	19.7 J	18.5	18.3 J	18.3 J	17.5 JT	19.7 J	18.5	18.3 J	18.3 J
PCB027	pg/g-Wet	3	0	0						6.64 U	7.05 U	3.4	3.365 UT	3.365 UT
PCB031	pg/g-Wet	3	3	100	65.6	73.3 T	69.2	68.8	68.8	65.6	73.3 T	69.2	68.8	68.8
PCB032	pg/g-Wet	3	3	100	10.8	15.4	12.4	11 T	11 T	10.8	15.4	12.4	11 T	11 T
PCB034	pg/g-Wet	3	0	0						5.57 U	5.91 U	2.85	2.82 UT	2.82 UT
PCB035	pg/g-Wet	3	0	0						4.11 U	4.36 U	2.11	2.08 UT	2.08 UT
PCB036	pg/g-Wet	3	0	0						6.89 U	7.31 U	3.53	3.485 UT	3.485 UT
PCB037	pg/g-Wet	3	0	0						7.83 U	8.3 U	4.01	3.96 UT	3.96 UT
PCB038	pg/g-Wet	3	0	0						5.12 U	5.44 U	2.63	2.595 UT	2.595 UT
PCB039	pg/g-Wet	3	0	0						6.76 U	7.17 U	3.46	3.42 UT	3.42 UT
PCB040 & 041 & 071	pg/g-Wet	3	3	100	72.7 J	83.8 J	77.6	76.2 JT	76.2 JT	72.7 J	83.8 J	77.6	76.2 JT	76.2 JT
PCB042	pg/g-Wet	3	3	100	33.4	53.7 T	45.2	48.5	48.5	33.4	53.7 T	45.2	48.5	48.5
PCB043	pg/g-Wet	3	0	0						13.1 U	13.9 U	6.72	6.65 UT	6.65 UT
PCB044 & 047 & 065	pg/g-Wet	3	3	100	260 J	466 J	333	274 JT	274 JT	260 J	466 J	333	274 JT	274 JT
PCB045 & 051	pg/g-Wet	3	0	0						20.7 U	21.9 U	10.6	10.45 UT	10.45 UT
PCB046	pg/g-Wet	3	0	0						8.95 U	9.5 U	4.59	4.53 UT	4.53 UT
PCB048	pg/g-Wet	3	3	100	16.9	31.5	24.5	25 T	25 T	16.9	31.5	24.5	25 T	25 T
PCB049 & 069	pg/g-Wet	3	3	100	133 J	164 J	148	148 JT	148 JT	133 J	164 J	148	148 JT	148 JT
PCB050 & 053	pg/g-Wet	3	0	0						20.8 U	22 U	10.6	10.5 UT	10.5 UT
PCB052	pg/g-Wet	3	3	100	156 T	229	181	157	157	156 T	229	181	157	157
PCB054	pg/g-Wet	3	0	0						7.58 U	8.04 U	3.88	3.835 UT	3.835 UT
PCB055	pg/g-Wet	3	0	0						8.44 U	8.96 U	4.33	4.275 UT	4.275 UT
PCB056	pg/g-Wet	3	3	100	60.9	65	63.3	64.1 T	64.1 T	60.9	65	63.3	64.1 T	64.1 T
PCB057	pg/g-Wet	3	0	0						8.53 U	9.05 U	4.37	4.32 UT	4.32 UT

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB058	pg/g-Wet	3	0	0						10.5 U	11.1 U	5.37	5.3 UT	5.3 UT
PCB059 & 062 & 075	pg/g-Wet	3	3	100	20.5 J	33.8 J	25.1	21.1 JT	21.1 JT	20.5 J	33.8 J	25.1	21.1 JT	21.1 JT
PCB060	pg/g-Wet	3	3	100	80.2 T	207	127	93.9	93.9	80.2 T	207	127	93.9	93.9
PCB061 & 070 & 074 & 076	pg/g-Wet	3	3	100	397 JT	716 J	521	450 J	450 J	397 JT	716 J	521	450 J	450 J
PCB063	pg/g-Wet	3	3	100	21.4 T	52.5	33.8	27.5	27.5	21.4 T	52.5	33.8	27.5	27.5
PCB064	pg/g-Wet	3	3	100	113	145	125	118 T	118 T	113	145	125	118 T	118 T
PCB066	pg/g-Wet	3	3	100	392 T	980	606	446	446	392 T	980	606	446	446
PCB067	pg/g-Wet	3	0	0						12.2 U	13 U	6.27	6.2 UT	6.2 UT
PCB068	pg/g-Wet	3	0	0						8.95 U	9.49 U	4.58	4.53 UT	4.53 UT
PCB072	pg/g-Wet	3	1	33.3	10.3	10.3	10.3	10.3	10.3	9.36 UT	10.3	6.63	4.905 U	4.905 U
PCB073	pg/g-Wet	3	0	0						11 U	11.7 U	5.65	5.6 UT	5.6 UT
PCB077	pg/g-Wet	3	0	0						13.6 U	14.4 U	6.95	6.85 UT	6.85 UT
PCB078	pg/g-Wet	3	0	0						7.23 U	7.67 U	3.7	3.66 UT	3.66 UT
PCB079	pg/g-Wet	3	3	100	10.3 JT	11.2	10.9	11.1	11.1	10.3 JT	11.2	10.9	11.1	11.1
PCB080	pg/g-Wet	3	0	0						10.6 U	11.3 U	5.45	5.4 UT	5.4 UT
PCB081	pg/g-Wet	3	3	100	1.66 T	3	2.22	1.99	1.99	1.66 T	3	2.22	1.99	1.99
PCB082	pg/g-Wet	3	3	100	59 T	80.4	72.7	78.7	78.7	59 T	80.4	72.7	78.7	78.7
PCB083 & 099	pg/g-Wet	3	3	100	512 JT	878 J	671	623 J	623 J	512 JT	878 J	671	623 J	623 J
PCB084	pg/g-Wet	3	3	100	104 T	141	121	117	117	104 T	141	121	117	117
PCB085 & 116 & 117	pg/g-Wet	3	3	100	195 JT	446 J	292	235 J	235 J	195 JT	446 J	292	235 J	235 J
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g-Wet	3	3	100	413 JT	664 J	540	544 J	544 J	413 JT	664 J	540	544 J	544 J
PCB088 & 091	pg/g-Wet	3	3	100	51.5 JT	79.3 J	62.2	55.7 J	55.7 J	51.5 JT	79.3 J	62.2	55.7 J	55.7 J
PCB089	pg/g-Wet	3	0	0						8.41 U	8.93 U	4.31	4.26 UT	4.26 UT
PCB090 & 101 & 113	pg/g-Wet	3	3	100	413 JT	703 J	518	439 J	439 J	413 JT	703 J	518	439 J	439 J
PCB092	pg/g-Wet	3	3	100	157 T	416	267	227	227	157 T	416	267	227	227
PCB093 & 095 & 098 & 100 & 102	pg/g-Wet	3	3	100	258 JT	534 J	375	332 J	332 J	258 JT	534 J	375	332 J	332 J
PCB094	pg/g-Wet	3	0	0						8.55 U	9.07 U	4.38	4.33 UT	4.33 UT
PCB096	pg/g-Wet	3	0	0						11.2 U	11.9 U	5.75	5.7 UT	5.7 UT
PCB103	pg/g-Wet	3	0	0						7.88 U	8.36 U	4.04	3.99 UT	3.99 UT
PCB104	pg/g-Wet	3	0	0						12.9 U	13.7 U	6.62	6.55 UT	6.55 UT
PCB105	pg/g-Wet	3	3	100	454 T	1340	808	630	630	454 T	1340	808	630	630
PCB106	pg/g-Wet	3	0	0						17 U	18.1 U	8.72	8.6 UT	8.6 UT
PCB107 & 124	pg/g-Wet	3	1	33.3	47.1 J	47.1 J	47.1	47.1 J	47.1 J	33.4 U	47.1 J	26.9	16.9 UT	16.9 UT
PCB109	pg/g-Wet	3	3	100	121 T	302	188	140	140	121 T	302	188	140	140
PCB110 & 115	pg/g-Wet	3	3	100	744 JT	1150 J	964	998 J	998 J	744 JT	1150 J	964	998 J	998 J
PCB111	pg/g-Wet	3	0	0						9.83 U	10.4 U	5.03	4.975 UT	4.975 UT
PCB112	pg/g-Wet	3	0	0						12.1 U	12.8 U	6.2	6.15 UT	6.15 UT
PCB114	pg/g-Wet	3	3	100	33.8 T	111	63.7	46.2	46.2	33.8 T	111	63.7	46.2	46.2
PCB118	pg/g-Wet	3	3	100	1480 T	3970	2440	1880	1880	1480 T	3970	2440	1880	1880
PCB120	pg/g-Wet	3	3	100	8.18 JT	28.2	16	11.6	11.6	8.18 JT	28.2	16	11.6	11.6
PCB121	pg/g-Wet	3	0	0						7.11 U	7.55 U	3.64	3.6 UT	3.6 UT
PCB122	pg/g-Wet	3	1	33.3	25.3 J	25.3 J	25.3	25.3 J	25.3 J	20.6 UT	25.3 J	15.5	10.8 U	10.8 U
PCB123	pg/g-Wet	3	3	100	30.1 T	73.4	46.8	36.8	36.8	30.1 T	73.4	46.8	36.8	36.8
PCB126	pg/g-Wet	3	3	100	4.18 T	10	6.71	5.96	5.96	4.18 T	10	6.71	5.96	5.96
PCB127	pg/g-Wet	3	0	0						16.7 U	17.7 U	8.55	8.45 UT	8.45 UT
PCB128 & 166	pg/g-Wet	3	3	100	280 JT	753 J	453	325 J	325 J	280 JT	753 J	453	325 J	325 J
PCB129 & 138 & 160 & 163	pg/g-Wet	3	3	100	2100 JT	6400 J	3710	2640 J	2640 J	2100 JT	6400 J	3710	2640 J	2640 J
PCB130	pg/g-Wet	3	3	100	130 T	350	215	166	166	130 T	350	215	166	166
PCB131	pg/g-Wet	3	1	33.3	11.9	11.9	11.9	11.9	11.9	10.7 U	11.9	7.55	5.4 UT	5.4 UT
PCB132	pg/g-Wet	3	3	100	239 T	484	369	385	385	239 T	484	369	385	385
PCB133	pg/g-Wet	3	3	100	40.1 T	145	80.1	55.3	55.3	40.1 T	145	80.1	55.3	55.3
PCB134 & 143	pg/g-Wet	3	3	100	43.6 JT	84.7 J	64.7	65.8 J	65.8 J	43.6 JT	84.7 J	64.7	65.8 J	65.8 J
PCB135 & 151 & 154	pg/g-Wet	3	2	66.7	377 JT	521 J	449	377 JT	377 JT	28.8 U	521 J	304	377 JT	377 JT
PCB136	pg/g-Wet	3	3	100	59.3 T	130	95.8	98	98	59.3 T	130	95.8	98	98
PCB137	pg/g-Wet	3	3	100	90.9 T	323	185	140	140	90.9 T	323	185	140	140
PCB139 & 140	pg/g-Wet	3	3	100	17.5 JT	51.5 J	32.7	29.2 J	29.2 J	17.5 JT	51.5 J	32.7	29.2 J	29.2 J
PCB141	pg/g-Wet	3	3	100	161 T	954	480	326	326	161 T	954	480	326	326
PCB142	pg/g-Wet	3	0	0						10.5 U	11.1 U	5.37	5.3 UT	5.3 UT
PCB144	pg/g-Wet	3	3	100	36.6 JT	103	59.1	37.8	37.8	36.6 JT	103	59.1	37.8	37.8
PCB145	pg/g-Wet	3	0	0						4.12 U	4.37 U	2.11	2.085 UT	2.085 UT
PCB146	pg/g-Wet	3	3	100	445 T	1550	870	615	615	445 T	1550	870	615	615
PCB147 & 149	pg/g-Wet	3	3	100	743 JT	1780 J	1110	804 J	804 J	743 JT	1780 J	1110	804 J	804 J
PCB148	pg/g-Wet	3	1	33.3	11.3 J	11.3 J	11.3	11.3 J	11.3 J	8.55 UT	11.3 J	6.69	4.48 U	4.48 U
PCB150	pg/g-Wet	3	0	0						3.77 U	4 U	1.93	1.91 UT	1.91 UT
PCB152	pg/g-Wet	3	0	0						9.96 U	10.6 U	5.11	5.05 UT	5.05 UT
PCB153 & 168	pg/g-Wet	3	3	100	1230 JT	2560 J	1770	1520 J	1520 J	1230 JT	2560 J	1770	1520 J	1520 J
PCB155	pg/g-Wet	3	0	0						7.55 U	8.01 U	3.87	3.82 UT	3.82 UT
PCB156	pg/g-Wet	3	3	100	145 T	571	324	257	257	145 T	571	324	257	257
PCB157	pg/g-Wet	3	3	100	32.7 T	101	61.1	49.5	49.5	32.7 T	101	61.1	49.5	49.5

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Table C1-14. Summary Statistics - Brown Bullhead

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB158	pg/g-Wet	3	3	100	183 T	562	325	231	231	183 T	562	325	231	231
PCB159	pg/g-Wet	3	3	100	10.5 T	64	31.2	19.2 J	19.2 J	10.5 T	64	31.2	19.2 J	19.2 J
PCB161	pg/g-Wet	3	0	0						11.6 U	12.3 U	5.95	5.9 UT	5.9 UT
PCB162	pg/g-Wet	3	1	33.3	25.6 J	25.6 J	25.6	25.6 J	25.6 J	14.1 UT	25.6 J	13.4	7.4 U	7.4 U
PCB164	pg/g-Wet	3	3	100	69.8 T	292	159	114	114	69.8 T	292	159	114	114
PCB165	pg/g-Wet	3	0	0						9.6 U	10.2 U	4.92	4.86 UT	4.86 UT
PCB167	pg/g-Wet	3	3	100	106 T	290	177	134	134	106 T	290	177	134	134
PCB169	pg/g-Wet	3	2	66.7	0.885	1.18	1.03	0.885	0.885	0.772 UT	1.18	0.817	0.885	0.885
PCB170	pg/g-Wet	3	3	100	344 T	2180	1030	568	568	344 T	2180	1030	568	568
PCB171 & 173	pg/g-Wet	3	3	100	130 JT	608 J	295	147 J	147 J	130 JT	608 J	295	147 J	147 J
PCB172	pg/g-Wet	3	3	100	78.9 T	471	223	119	119	78.9 T	471	223	119	119
PCB174	pg/g-Wet	3	3	100	204 T	1110	544	317	317	204 T	1110	544	317	317
PCB175	pg/g-Wet	3	3	100	21.2 JT	80.4	42.3	25.2	25.2	21.2 JT	80.4	42.3	25.2	25.2
PCB176	pg/g-Wet	3	3	100	24.1 JT	58.8	37	28.1	28.1	24.1 JT	58.8	37	28.1	28.1
PCB177	pg/g-Wet	3	3	100	276 T	1090	567	334	334	276 T	1090	567	334	334
PCB178	pg/g-Wet	3	3	100	125 T	511	260	145	145	125 T	511	260	145	145
PCB179	pg/g-Wet	3	3	100	121 T	420	229	146	146	121 T	420	229	146	146
PCB180 & 193	pg/g-Wet	3	3	100	1130 JT	6320 J	3070	1770 J	1770 J	1130 JT	6320 J	3070	1770 J	1770 J
PCB181	pg/g-Wet	3	1	33.3	19.7 J	19.7 J	19.7	19.7 J	19.7 J	13 UT	19.7 J	11	6.8 U	6.8 U
PCB182	pg/g-Wet	3	1	33.3	19.1	19.1	19.1	19.1	19.1	14.1 UT	19.1	11.2	7.4 U	7.4 U
PCB183 & 185	pg/g-Wet	3	3	100	292 JT	1200 J	608	333 J	333 J	292 JT	1200 J	608	333 J	333 J
PCB184	pg/g-Wet	3	0	0						12.3 U	13 U	6.28	6.2 UT	6.2 UT
PCB186	pg/g-Wet	3	0	0						7.08 U	7.51 U	3.63	3.58 UT	3.58 UT
PCB187	pg/g-Wet	3	3	100	1120 T	4170	2210	1350	1350	1120 T	4170	2210	1350	1350
PCB188	pg/g-Wet	3	0	0						13.4 U	14.2 U	6.87	6.8 UT	6.8 UT
PCB189	pg/g-Wet	3	3	100	17 T	87.6	44.2	28.1	28.1	17 T	87.6	44.2	28.1	28.1
PCB190	pg/g-Wet	3	3	100	109 T	568	273	142	142	109 T	568	273	142	142
PCB191	pg/g-Wet	3	3	100	20.4 T	104	50.9	28.3	28.3	20.4 T	104	50.9	28.3	28.3
PCB192	pg/g-Wet	3	0	0						6.39 U	6.78 U	3.27	3.235 UT	3.235 UT
PCB194	pg/g-Wet	3	3	100	169 T	952	460	258	258	169 T	952	460	258	258
PCB195	pg/g-Wet	3	3	100	83.6 T	434	211	115	115	83.6 T	434	211	115	115
PCB196	pg/g-Wet	3	3	100	103 T	504	251	145	145	103 T	504	251	145	145
PCB197 & 200	pg/g-Wet	3	3	100	28.4 JT	101 J	53.7	31.8 J	31.8 J	28.4 JT	101 J	53.7	31.8 J	31.8 J
PCB198 & 199	pg/g-Wet	3	3	100	295 JT	1220 J	626	362 J	362 J	295 JT	1220 J	626	362 J	362 J
PCB201	pg/g-Wet	3	3	100	36.9	118	64.9	39.7 T	39.7 T	36.9	118	64.9	39.7 T	39.7 T
PCB202	pg/g-Wet	3	3	100	74.9	204	118	75.4 T	75.4 T	74.9	204	118	75.4 T	75.4 T
PCB203	pg/g-Wet	3	3	100	227 T	817	425	232	232	227 T	817	425	232	232
PCB204	pg/g-Wet	3	0	0						16.9 U	17.9 U	8.65	8.55 UT	8.55 UT
PCB205	pg/g-Wet	3	1	33.3	52.6	52.6	52.6	52.6	52.6	18.6 UT	52.6	23.9	9.75 U	9.75 U
PCB206	pg/g-Wet	3	3	100	96.4	308	172	111 T	111 T	96.4	308	172	111 T	111 T
PCB207	pg/g-Wet	3	3	100	20.4	50.6	30.7	21.2 JT	21.2 JT	20.4	50.6	30.7	21.2 JT	21.2 JT
PCB208	pg/g-Wet	3	3	100	39.6	101	61.7	44.6 T	44.6 T	39.6	101	61.7	44.6 T	44.6 T
PCB209	pg/g-Wet	3	3	100	47.4	122	91.1	104 T	104 T	47.4	122	91.1	104 T	104 T
Total PCB Congeners	pg/g-Wet	3	3	100	19100 JT	56300 JT	33200	24200 JT	24200 JT	19100 JT	56300 JT	33200	24200 JT	24200 JT
PCB_Homologs														
Dichlorobiphenyl homologs	pg/g-Wet	3	1	33.3	97.1 JT	97.1 JT	97.1	97.1 JT	97.1 JT	41 UT	97.1 JT	46.4	21.5 UT	21.5 UT
Heptachlorobiphenyl homologs	pg/g-Wet	3	3	100	4010 JT	19000 JT	9500	5480 JT	5480 JT	4010 JT	19000 JT	9500	5480 JT	5480 JT
Hexachlorobiphenyl homologs	pg/g-Wet	3	3	100	6540 JT	17600 JT	10900	8550 JT	8550 JT	6540 JT	17600 JT	10900	8550 JT	8550 JT
Nonachlorobiphenyl homologs	pg/g-Wet	3	3	100	156 T	460 T	264	177 JT	177 JT	156 T	460 T	264	177 JT	177 JT
Octachlorobiphenyl homologs	pg/g-Wet	3	3	100	1020 JT	4400 JT	2230	1260 JT	1260 JT	1020 JT	4400 JT	2230	1260 JT	1260 JT
Pentachlorobiphenyl homologs	pg/g-Wet	3	3	100	5040 JT	10900 JT	7470	6470 JT	6470 JT	5040 JT	10900 JT	7470	6470 JT	6470 JT
Tetrachlorobiphenyl homologs	pg/g-Wet	3	3	100	1840 JT	3250 JT	2330	1900 JT	1900 JT	1840 JT	3250 JT	2330	1900 JT	1900 JT
Trichlorobiphenyl homologs	pg/g-Wet	3	3	100	321 JT	420 JT	361	341 JT	341 JT	321 JT	420 JT	361	341 JT	341 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	3	2	66.7	1.7 NJ	2 N	1.85	1.7 NJ	1.7 NJ	1 U	2 N	1.4	1.7 NJ	1.7 NJ
2,4'-DDE	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
2,4'-DDT	ug/kg-Wet	3	3	100	1.6 N	4.5 N	2.7	2 N	2 N	1.6 N	4.5 N	2.7	2 N	2 N
4,4'-DDD	ug/kg-Wet	3	3	100	2.2 NJ	2.8 NJ	2.43	2.3 NJ	2.3 NJ	2.2 NJ	2.8 NJ	2.43	2.3 NJ	2.3 NJ
4,4'-DDE	ug/kg-Wet	3	3	100	12 J	37 J	20.3	12 J	12 J	12 J	37 J	20.3	12 J	12 J
4,4'-DDT	ug/kg-Wet	3	3	100	2.1 NJ	6 NJ	3.43	2.2 NJ	2.2 NJ	2.1 NJ	6 NJ	3.43	2.2 NJ	2.2 NJ
Aldrin	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Endosulfan	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 UJ	0.5 UJ
alpha-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Endosulfan	ug/kg-Wet	3	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
beta-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						1.1 UJ	1.8 UJ	0.7	0.65 UJ	0.65 UJ
cis-Chlordane	ug/kg-Wet	3	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
cis-Nonachlor	ug/kg-Wet	3	0	0						1.3 U	2.1 U	0.783	0.65 U	0.65 U
delta-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						1 U	1.1 U	0.517	0.5 U	0.5 U
Dieldrin	ug/kg-Wet	3	2	66.7	1.2 NJ	1.2 NJ	1.2	1.2 NJ	1.2 NJ	1 UJ	1.2 NJ	0.967	1.2 NJ	1.2 NJ

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Endosulfan sulfate	ug/kg-Wet	3	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
Endrin aldehyde	ug/kg-Wet	3	1	33.3	1.5 N	1.5 N	1.5	1.5 N	1.5 N	1 U	1.5 N	0.833	0.5 U	0.5 U
Endrin ketone	ug/kg-Wet	3	0	0						1 UJ	1.2 UJ	0.533	0.5 UJ	0.5 UJ
Endrin	ug/kg-Wet	3	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
gamma-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor epoxide	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor	ug/kg-Wet	3	0	0						1 U	1.1 U	0.517	0.5 U	0.5 U
Methoxychlor	ug/kg-Wet	3	1	33.3	1.1 N	1.1 N	1.1	1.1 N	1.1 N	1 U	1.1 N	0.7	0.5 U	0.5 U
Mirex	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	3	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Total Chlordanes	ug/kg-Wet	3	3	100	1.1 T	3.7 JT	2.3	2.1 T	2.1 T	1.1 T	3.7 JT	2.3	2.1 T	2.1 T
Total Endosulfan	ug/kg-Wet	3	0	0						1 UJT	1 UJT	0.5	0.5 UJT	0.5 UJT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	3	3	100	18 JT	52 JT	30.1	20.4 JT	20.4 JT	18 JT	52 JT	30.1	20.4 JT	20.4 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	3	3	100	2.3 JT	4.5 JT	3.67	4.2 JT	4.2 JT	2.3 JT	4.5 JT	3.67	4.2 JT	4.2 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	3	3	100	12 JT	37 JT	20.3	12 JT	12 JT	12 JT	37 JT	20.3	12 JT	12 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	3	3	100	3.7 JT	10.5 JT	6.13	4.2 JT	4.2 JT	3.7 JT	10.5 JT	6.13	4.2 JT	4.2 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	3	3	100	16.4 JT	45.8 JT	26.2	16.4 JT	16.4 JT	16.4 JT	45.8 JT	26.2	16.4 JT	16.4 JT
Toxaphene	ug/kg-Wet	3	0	0						50 U	73 U	28.8	25 U	25 U
trans-Chlordane	ug/kg-Wet	3	1	33.3	1.2 NJ	1.2 NJ	1.2	1.2 NJ	1.2 NJ	1 UJ	1.2 NJ	0.733	0.5 UJ	0.5 UJ
trans-Nonachlor	ug/kg-Wet	3	3	100	1.1 N	2.5 N	1.9	2.1 N	2.1 N	1.1 N	2.5 N	1.9	2.1 N	2.1 N
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	3	0	0						1700 UJ	1700 UJ	850	850 UJ	850 UJ
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	3	0	0						1700 U	1700 U	850	850 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	3	0	0						830 U	830 U	415	415 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	3	0	0						500 U	500 U	250	250 U	250 U
2-Chlorophenol	ug/kg-Wet	3	0	0						33 UT	66 UT	22	16.5 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
2-Nitrophenol	ug/kg-Wet	3	0	0						1700 U	1700 U	850	850 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	3	0	0						3300 UJ	3300 U	1650	1650 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	3	0	0						330 U	330 U	165	165 U	165 U
4-Methylphenol	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	3	0	0						1700 U	1700 U	850	850 U	850 U
Pentachlorophenol	ug/kg-Wet	3	0	0						170 UT	170 UT	85	85 UT	85 UT
Phenol	ug/kg-Wet	3	0	0						330 U	330 U	165	165 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	3	1	33.3	3000 JT	3000 JT	3000	3000 JT	3000 JT	99 UJT	3000 JT	1030	49.5 UJT	49.5 UJT
Butylbenzyl phthalate	ug/kg-Wet	3	0	0						330 UJ	330 UJ	165	165 UJ	165 UJ
Dibutyl phthalate	ug/kg-Wet	3	0	0						330 U	330 U	165	165 U	165 U
Diethyl phthalate	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
Dimethyl phthalate	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	3	0	0						330 U	330 U	165	165 U	165 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	3	0	0						33 U	33 U	16.5	16.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	3	0	0						830 U	830 U	415	415 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	3	0	0						1700 U	1700 U	850	850 U	850 U
3-Nitroaniline	ug/kg-Wet	3	0	0						830 U	830 U	415	415 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	3	0	0						170 UT	170 UT	85	85 UT	85 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	3	0	0						83 UT	83 UT	41.5	41.5 UT	41.5 UT
4-Nitroaniline	ug/kg-Wet	3	0	0						830 U	830 U	415	415 U	415 U
Azobenzene	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
Benzoic acid	ug/kg-Wet	3	0	0						8300 U	8300 U	4150	4150 U	4150 U
Benzyl alcohol	ug/kg-Wet	3	0	0						330 U	330 U	165	165 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	3	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Carbazole	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	3	0	0						33 UT	66 UT	22	16.5 UT	16.5 UT
Hexachlorobenzene	ug/kg-Wet	3	0	0						1 UT	33 UT	11.2	16.5 UT	16.5 UT
Hexachlorobutadiene	ug/kg-Wet	3	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT

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Table C1-14. Summary Statistics - Brown Bullhead

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Hexachlorocyclopentadiene	ug/kg-Wet	3	0	0						830 U	830 U	415	415 U	415 U
Hexachloroethane	ug/kg-Wet	3	0	0						1 UJT	33 UT	5.83	0.5 UJT	0.5 UJT
Isophorone	ug/kg-Wet	3	0	0						1700 U	1700 U	850	850 U	850 U
Nitrobenzene	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	3	0	0						170 UT	170 UT	85	85 UT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	3	0	0						170 U	170 UJ	85	85 UJ	85 UJ
N-Nitrosodipropylamine	ug/kg-Wet	3	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-15. Summary Statistics - Black Crappie

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Fillet without skin														
Metals														
Mercury	mg/kg-Wet	4	4	100	0.067	0.101	0.086	0.086	0.09	0.067	0.101	0.086	0.086	0.09
Fillet														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Aroclor 1221	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Aroclor 1232	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Aroclor 1242	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Aroclor 1248	ug/kg-Wet	4	4	100	6.6	16	10.4	9.2	9.6	6.6	16	10.4	9.2	9.6
Aroclor 1254	ug/kg-Wet	4	0	0						9.9 U	18 U	6.86	6.5 U	7 U
Aroclor 1260	ug/kg-Wet	4	4	100	13	16	13.8	13	13	13	16	13.8	13	13
Aroclor 1262	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	4	0	0						0.95 U	1.9 U	0.831	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	19.6 T	32 T	24.1	22.2 T	22.6 T	19.6 T	32 T	24.1	22.2 T	22.6 T
Conventionals														
Lipids	percent-Wet	4	4	100	0.99	1.8	1.4	1.2	1.6	0.99	1.8	1.4	1.2	1.6
Total solids	percent-Wet	4	4	100	20.6 T	22.1	21.2	20.8	21.4	20.6 T	22.1	21.2	20.8	21.4
Metals														
Aluminum	mg/kg-Wet	4	4	100	3.04 JT	7.03 J	5.23	4.57 J	6.29 J	3.04 JT	7.03 J	5.23	4.57 J	6.29 J
Antimony	mg/kg-Wet	4	0	0						0.001 U	0.001 UT	0.0005	0.0005 U	0.0005 U
Arsenic	mg/kg-Wet	4	4	100	0.1 J	0.18 T	0.14	0.13	0.15	0.1 J	0.18 T	0.14	0.13	0.15
Cadmium	mg/kg-Wet	4	2	50	0.001 J	0.001 JT	0.001	0.001 J	0.001 J	0.001 U	0.001 JT	0.00075	0.0005 U	0.001 J
Chromium	mg/kg-Wet	4	2	50	0.14	0.28	0.21	0.14	0.14	0.06 U	0.28	0.12	0.03 UT	0.14
Copper	mg/kg-Wet	4	4	100	0.166	0.184 T	0.178	0.178	0.184	0.166	0.184 T	0.178	0.178	0.184
Lead	mg/kg-Wet	4	0	0						0.001 U	0.005 U	0.00113	0.0005 UT	0.001 U
Manganese	mg/kg-Wet	4	4	100	0.083 J	0.168 J	0.13	0.128 JT	0.142 J	0.083 J	0.168 J	0.13	0.128 JT	0.142 J
Nickel	mg/kg-Wet	4	2	50	0.057	0.064	0.0605	0.057	0.057	0.001 U	0.064	0.0305	0.0005 UT	0.057
Selenium	mg/kg-Wet	4	0	0						0.3 U	0.4 UT	0.163	0.15 U	0.15 U
Silver	mg/kg-Wet	4	0	0						0.0002 U	0.0002 UT	0.0001	0.0001 U	0.0001 U
Thallium	mg/kg-Wet	4	4	100	0.0046	0.0099 T	0.0071	0.0069	0.007	0.0046	0.0099 T	0.0071	0.0069	0.007
Zinc	mg/kg-Wet	4	4	100	7.45	9.03	8.23	7.75 T	8.69	7.45	9.03	8.23	7.75 T	8.69
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
2,4'-DDE	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
2,4'-DDT	ug/kg-Wet	4	2	50	1.1 NJ	1.1 NJ	1.1	1.1 NJ	1.1 NJ	1 U	1.1 NJ	0.8	0.5 U	1.1 NJ
4,4'-DDD	ug/kg-Wet	4	4	100	1.8 J	2.7 J	2.23	2 N	2.4 J	1.8 J	2.7 J	2.23	2 N	2.4 J
4,4'-DDE	ug/kg-Wet	4	4	100	5.5	7.8	6.73	6.5	7.1	5.5	7.8	6.73	6.5	7.1
4,4'-DDT	ug/kg-Wet	4	4	100	1.5 J	2.3 NJ	1.85	1.5 J	2.1 J	1.5 J	2.3 NJ	1.85	1.5 J	2.1 J
Aldrin	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Endosulfan	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Endosulfan	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
cis-Chlordane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
cis-Nonachlor	ug/kg-Wet	4	0	0						1.2 U	1.6 U	0.738	0.75 U	0.8 U
delta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Dieldrin	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endosulfan sulfate	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin aldehyde	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin ketone	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor epoxide	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Methoxychlor	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Mirex	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Total Chlordanes	ug/kg-Wet	4	1	25	1.1 JT	1.1 JT	1.1	1.1 JT	1.1 JT	1.1 JT	1.6 UT	0.813	0.75 UT	0.8 UT
Total Endosulfan	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	8.8 JT	13.7 JT	11.4	10.4 JT	12.5 JT	8.8 JT	13.7 JT	11.4	10.4 JT	12.5 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	4	100	1.8 JT	2.7 JT	2.23	2 T	2.4 JT	1.8 JT	2.7 JT	2.23	2 T	2.4 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	4	100	5.5 T	7.8 T	6.73	6.5 T	7.1 T	5.5 T	7.8 T	6.73	6.5 T	7.1 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	4	100	1.5 JT	3.4 JT	2.4	1.5 JT	3.2 JT	1.5 JT	3.4 JT	2.4	1.5 JT	3.2 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	8.8 JT	12.6 JT	10.8	10.4 JT	11.4 JT	8.8 JT	12.6 JT	10.8	10.4 JT	11.4 JT
Toxaphene	ug/kg-Wet	4	0	0						50 UJ	83 U	29.1	25 U	25 U

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Table C1-15. Summary Statistics - Black Crappie

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
trans-Chlordane	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
trans-Nonachlor	ug/kg-Wet	4	1	25	1.1 NJ	1.1 NJ	1.1	1.1 NJ	1.1 NJ	1 U	1.1 NJ	0.65	0.5 U	0.5 U
SVOCs														
Hexachlorobenzene	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Hexachlorobutadiene	ug/kg-Wet	4	0	0						1 U	1 UJ	0.5	0.5 U	0.5 U
Hexachloroethane	ug/kg-Wet	4	0	0						1 U	1 UJ	0.5	0.5 U	0.5 U
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Aroclor 1221	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Aroclor 1232	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Aroclor 1242	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Aroclor 1248	ug/kg-Wet	4	4	100	39	110	58.3	42	42	39	110	58.3	42	42
Aroclor 1254	ug/kg-Wet	4	0	0						67 U	130 U	44.6	34.5 U	45.5 U
Aroclor 1260	ug/kg-Wet	4	4	100	46	140	75.3	48	67	46	140	75.3	48	67
Aroclor 1262	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	4	0	0						1.9 U	9.5 U	1.9	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	85 T	250 T	134	90 T	109 T	85 T	250 T	134	90 T	109 T
Conventionals														
Lipids	percent-Wet	4	4	100	3.33 T	7.5 T	5.26	3.7	6.5	3.33 T	7.5 T	5.26	3.7	6.5
Total solids	percent-Wet	4	4	100	25.8 T	29.5	27.6	27	28.2	25.8 T	29.5	27.6	27	28.2
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	4	4	100	0.093	0.22	0.171	0.163	0.207	0.093	0.22	0.171	0.163	0.207
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.879	6.52	2.71	1.55	1.89	0.879	6.52	2.71	1.55	1.89
Hexachlorodibenzofuran homologs	pg/g-Wet	4	4	100	0.681	1.51	1.07	1.02	1.06	0.681	1.51	1.07	1.02	1.06
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	1.01	2.74	1.64	1.12	1.69	1.01	2.74	1.64	1.12	1.69
Octachlorodibenzofuran	pg/g-Wet	4	0	0						0.046 U	0.128 U	0.044	0.0425 U	0.0465 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	4	1	25	1.21	1.21	1.21	1.21	1.21	0.364 U	1.21	0.476	0.234 U	0.278 U
Pentachlorodibenzofuran homologs	pg/g-Wet	4	4	100	1.24	1.87	1.53	1.27	1.73	1.24	1.87	1.53	1.27	1.73
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.498	1.04	0.671	0.547	0.6	0.498	1.04	0.671	0.547	0.6
Tetrachlorodibenzofuran homologs	pg/g-Wet	4	4	100	1.88	2.35	2.14	2.09	2.25	1.88	2.35	2.14	2.09	2.25
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.322	0.566	0.417	0.389	0.39	0.322	0.566	0.417	0.389	0.39
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	4	4	100	0.093	0.207	0.136	0.094	0.148	0.093	0.207	0.136	0.094	0.148
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.447	1.33	0.754	0.589	0.65	0.447	1.33	0.754	0.589	0.65
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	4	1	25	0.023 J	0.023 J	0.023	0.023 J	0.023 J	0.016 U	0.023 J	0.0118	0.008 U	0.008 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	4	100	0.119	0.186	0.155	0.15	0.164	0.119	0.186	0.155	0.15	0.164
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.115	0.172	0.136	0.127	0.129 J	0.115	0.172	0.136	0.127	0.129 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	4	100	0.074	0.09	0.0818	0.079	0.084	0.074	0.09	0.0818	0.079	0.084
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.635	1.37	0.885	0.693	0.841	0.635	1.37	0.885	0.693	0.841
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	4	1	25	0.022 J	0.022 J	0.022	0.022 J	0.022 J	0.011 U	0.022 J	0.00963	0.0055 U	0.0055 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.08	0.111	0.0903	0.081	0.089	0.08	0.111	0.0903	0.081	0.089
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	4	4	100	0.269	0.37	0.317	0.276	0.352	0.269	0.37	0.317	0.276	0.352
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.426	0.518	0.472	0.458	0.485	0.426	0.518	0.472	0.458	0.485
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	4	100	0.028 J	0.053	0.0423	0.039	0.049	0.028 J	0.053	0.0423	0.039	0.049
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	4	4	100	0.239	0.32	0.275	0.261	0.279	0.239	0.32	0.275	0.261	0.279
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	4	4	100	1.29	1.48	1.38	1.3	1.45	1.29	1.48	1.38	1.3	1.45
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.281	0.36	0.329	0.322	0.354	0.281	0.36	0.329	0.322	0.354
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	4	4	100	1.16 JT	1.33 JT	1.24	1.22 T	1.26 T	1.16 JT	1.33 JT	1.24	1.22 T	1.26 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	4	4	100	2.54 T	5.26 T	3.38	2.77 JT	2.93 T	2.54 T	5.26 T	3.38	2.77 JT	2.93 T
Total PCDD/F	pg/g-Wet	4	4	100	7.67 T	16.1 T	10.7	7.89 T	11 T	7.67 T	16.1 T	10.7	7.89 T	11 T
Total TCDD toxicity equivalent	pg/g-Wet	4	4	100	3.86 JT	6.52 T	4.61	3.98 JT	4.08 JT	3.86 JT	6.52 T	4.61	3.98 JT	4.08 JT
Metals														
Aluminum	mg/kg-Wet	4	4	100	5.8 J	68.9	22.4	6.37	8.43 J	5.8 J	68.9	22.4	6.37	8.43 J
Antimony	mg/kg-Wet	4	0	0						0.001 U	0.001 U	0.0005	0.0005 UT	0.0005 U
Arsenic	mg/kg-Wet	4	4	100	0.185 T	0.42	0.279	0.22	0.29	0.185 T	0.42	0.279	0.22	0.29
Cadmium	mg/kg-Wet	4	4	100	0.003 J	0.006 J	0.00388	0.003 J	0.0035 JT	0.003 J	0.006 J	0.00388	0.003 J	0.0035 JT
Chromium	mg/kg-Wet	4	0	0						0.08 U	0.09 U	0.0413	0.04 UT	0.04 U
Copper	mg/kg-Wet	4	4	100	0.688	0.946	0.82	0.721	0.923 T	0.688	0.946	0.82	0.721	0.923 T
Lead	mg/kg-Wet	4	1	25	0.0185 JT	0.0185 JT	0.0185	0.0185 JT	0.0185 JT	0.004 UJ	0.0185 JT	0.00663	0.0025 UJ	0.0035 UJ
Manganese	mg/kg-Wet	4	4	100	2.8	3.41	3.12	2.91 T	3.36	2.8	3.41	3.12	2.91 T	3.36
Mercury	mg/kg-Wet	4	4	100	0.033	0.044	0.0394	0.0365 T	0.044	0.033	0.044	0.0394	0.0365 T	0.044
Nickel	mg/kg-Wet	4	4	100	0.33 JT	0.357 J	0.343	0.338 J	0.347 J	0.33 JT	0.357 J	0.343	0.338 J	0.347 J
Selenium	mg/kg-Wet	4	0	0						0.3 U	0.3 U	0.15	0.15 UT	0.15 U
Silver	mg/kg-Wet	4	0	0						0.0004 U	0.002 U	0.000588	0.0003 U	0.00085 UT
Thallium	mg/kg-Wet	4	4	100	0.006 T	0.0167	0.0108	0.0084	0.0122	0.006 T	0.0167	0.0108	0.0084	0.0122
Zinc	mg/kg-Wet	4	4	100	14.2 T	16.8	15.4	15.1	15.5	14.2 T	16.8	15.4	15.1	15.5

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Table C1-15. Summary Statistics - Black Crappie

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB_Congeners														
PCB001	ug/kg-Wet	2	2	100	0.00685 J	0.0219 J	0.0144	0.00685 J	0.00685 J	0.00685 J	0.0219 J	0.0144	0.00685 J	0.00685 J
PCB002	ug/kg-Wet	2	2	100	0.00244 J	0.00248 J	0.00246	0.00244 J	0.00244 J	0.00244 J	0.00248 J	0.00246	0.00244 J	0.00244 J
PCB003	ug/kg-Wet	2	2	100	0.00466 J	0.0087 J	0.00668	0.00466 J	0.00466 J	0.00466 J	0.0087 J	0.00668	0.00466 J	0.00466 J
PCB004	ug/kg-Wet	4	4	100	0.218	0.596	0.351	0.244	0.347	0.218	0.596	0.351	0.244	0.347
PCB005	ug/kg-Wet	4	0	0						0.00239 U	0.0058 U	0.002	0.001695 U	0.00221 U
PCB006	ug/kg-Wet	4	4	100	0.0168	0.0506	0.0364	0.0372	0.0408 J	0.0168	0.0506	0.0364	0.0372	0.0408 J
PCB007	ug/kg-Wet	4	4	100	0.00482	0.0139 J	0.00975	0.00906 J	0.0112	0.00482	0.0139 J	0.00975	0.00906 J	0.0112
PCB008	ug/kg-Wet	4	4	100	0.0927	0.441	0.256	0.219	0.272	0.0927	0.441	0.256	0.219	0.272
PCB009	ug/kg-Wet	4	3	75	0.00481	0.0127 J	0.00887	0.00911	0.00911	0.00463 U	0.0127 J	0.00723	0.00481	0.00911
PCB010	ug/kg-Wet	4	4	100	0.00977 J	0.028	0.0157	0.00989	0.0152 J	0.00977 J	0.028	0.0157	0.00989	0.0152 J
PCB011	ug/kg-Wet	4	4	100	0.171	0.588	0.337	0.179 J	0.411	0.171	0.588	0.337	0.179 J	0.411
PCB012 & 013	ug/kg-Wet	4	2	50	0.0165 J	0.0462 J	0.0314	0.0165 J	0.0165 J	0.00979 U	0.0462 J	0.0181	0.004945 U	0.0165 J
PCB014	ug/kg-Wet	4	0	0						0.00314 U	0.00581 U	0.00225	0.00163 U	0.002875 U
PCB015	ug/kg-Wet	4	4	100	0.0477	0.13	0.0941	0.0825	0.116	0.0477	0.13	0.0941	0.0825	0.116
PCB016	ug/kg-Wet	4	4	100	0.111	0.278	0.207	0.217	0.222	0.111	0.278	0.207	0.217	0.222
PCB017	ug/kg-Wet	4	4	100	0.297	1.15	0.598	0.401	0.544	0.297	1.15	0.598	0.401	0.544
PCB018 & 030	ug/kg-Wet	4	4	100	0.202 J	0.451 J	0.357	0.363 J	0.412 J	0.202 J	0.451 J	0.357	0.363 J	0.412 J
PCB019	ug/kg-Wet	4	4	100	0.356	0.901	0.524	0.364	0.476	0.356	0.901	0.524	0.364	0.476
PCB020 & 028	ug/kg-Wet	4	4	100	1.15 J	6.09 J	2.71	1.75 J	1.85 J	1.15 J	6.09 J	2.71	1.75 J	1.85 J
PCB021 & 033	ug/kg-Wet	4	4	100	0.197 J	0.569 J	0.405	0.365 J	0.488 J	0.197 J	0.569 J	0.405	0.365 J	0.488 J
PCB022	ug/kg-Wet	4	4	100	0.252	1.18	0.58	0.412	0.475	0.252	1.18	0.58	0.412	0.475
PCB023	ug/kg-Wet	4	0	0						0.00358 U	0.00719 U	0.00272	0.00194 U	0.00356 U
PCB024	ug/kg-Wet	4	4	100	0.00527	0.0142	0.0103	0.0102 J	0.0117	0.00527	0.0142	0.0103	0.0102 J	0.0117
PCB025	ug/kg-Wet	4	4	100	0.0935	0.558	0.221	0.115	0.117	0.0935	0.558	0.221	0.115	0.117
PCB026 & 029	ug/kg-Wet	4	4	100	0.202 J	1.24 J	0.488	0.252 J	0.258 J	0.202 J	1.24 J	0.488	0.252 J	0.258 J
PCB027	ug/kg-Wet	4	4	100	0.0608	0.309	0.14	0.08	0.109	0.0608	0.309	0.14	0.08	0.109
PCB031	ug/kg-Wet	4	4	100	0.903	4.68	1.99	1.17	1.19	0.903	4.68	1.99	1.17	1.19
PCB032	ug/kg-Wet	4	4	100	0.18	1.24	0.511	0.261	0.363	0.18	1.24	0.511	0.261	0.363
PCB034	ug/kg-Wet	4	4	100	0.00405	0.0184	0.00907	0.00585	0.00797	0.00405	0.0184	0.00907	0.00585	0.00797
PCB035	ug/kg-Wet	4	1	25	0.00533	0.00533	0.00533	0.00533	0.00533	0.00234 U	0.00562 U	0.00287	0.002165 U	0.00281 U
PCB036	ug/kg-Wet	4	2	50	0.072	0.261	0.167	0.072	0.072	0.0072 U	0.261	0.0851	0.003635 U	0.072
PCB037	ug/kg-Wet	4	4	100	0.124	0.595	0.32	0.28	0.282	0.124	0.595	0.32	0.28	0.282
PCB038	ug/kg-Wet	4	1	25	0.00367	0.00367	0.00367	0.00367	0.00367	0.00292 U	0.00541 U	0.00263	0.00268 U	0.002705 U
PCB039	ug/kg-Wet	4	4	100	0.00556	0.0272	0.0136	0.0104	0.0112	0.00556	0.0272	0.0136	0.0104	0.0112
PCB040 & 041 & 071	ug/kg-Wet	4	4	100	0.716 J	2.73 J	1.27	0.76 J	0.874 J	0.716 J	2.73 J	1.27	0.76 J	0.874 J
PCB042	ug/kg-Wet	4	4	100	0.446	1.97	0.859	0.499	0.519	0.446	1.97	0.859	0.499	0.519
PCB043	ug/kg-Wet	4	4	100	0.072	0.245	0.127	0.0765	0.113	0.072	0.245	0.127	0.0765	0.113
PCB044 & 047 & 065	ug/kg-Wet	4	4	100	2.2 J	11 J	4.71	2.52 J	3.11 J	2.2 J	11 J	4.71	2.52 J	3.11 J
PCB045 & 051	ug/kg-Wet	4	4	100	0.295 J	1.14 J	0.549	0.365 J	0.396 J	0.295 J	1.14 J	0.549	0.365 J	0.396 J
PCB046	ug/kg-Wet	4	4	100	0.0435	0.134	0.0804	0.0611	0.0829	0.0435	0.134	0.0804	0.0611	0.0829
PCB048	ug/kg-Wet	4	4	100	0.224	0.798	0.401	0.268	0.312	0.224	0.798	0.401	0.268	0.312
PCB049 & 069	ug/kg-Wet	4	4	100	1.42 J	7.39 J	3.15	1.61 J	2.19 J	1.42 J	7.39 J	3.15	1.61 J	2.19 J
PCB050 & 053	ug/kg-Wet	4	4	100	0.226 J	0.795 J	0.399	0.274 J	0.3 J	0.226 J	0.795 J	0.399	0.274 J	0.3 J
PCB052	ug/kg-Wet	4	4	100	2.53	11.9	5.19	2.77	3.57	2.53	11.9	5.19	2.77	3.57
PCB054	ug/kg-Wet	4	4	100	0.046	0.113	0.071	0.053	0.072	0.046	0.113	0.071	0.053	0.072
PCB055	ug/kg-Wet	4	0	0						0.00482 U	0.00891 U	0.00355	0.002905 U	0.00441 U
PCB056	ug/kg-Wet	4	4	100	0.683	3.81	1.53	0.73	0.895	0.683	3.81	1.53	0.73	0.895
PCB057	ug/kg-Wet	4	4	100	0.0106	0.0698	0.0272	0.0137	0.0147 J	0.0106	0.0698	0.0272	0.0137	0.0147 J
PCB058	ug/kg-Wet	4	3	75	0.0135 J	0.0322	0.0198	0.0136	0.0136	0.0109 U	0.0322	0.0162	0.0135 J	0.0136
PCB059 & 062 & 075	ug/kg-Wet	4	4	100	0.207 J	0.816 J	0.372	0.232 J	0.232 J	0.207 J	0.816 J	0.372	0.232 J	0.232 J
PCB060	ug/kg-Wet	4	4	100	0.528	2.87	1.14	0.531	0.641	0.528	2.87	1.14	0.531	0.641
PCB061 & 070 & 074 & 076	ug/kg-Wet	4	4	100	3.63 J	20.1 J	8.32	3.79 J	5.75 J	3.63 J	20.1 J	8.32	3.79 J	5.75 J
PCB063	ug/kg-Wet	4	4	100	0.116	0.784	0.308	0.136	0.194	0.116	0.784	0.308	0.136	0.194
PCB064	ug/kg-Wet	4	4	100	0.855	2.96	1.42	0.903	0.95	0.855	2.96	1.42	0.903	0.95
PCB066	ug/kg-Wet	4	4	100	2.48	12.9	5.34	2.57	3.39	2.48	12.9	5.34	2.57	3.39
PCB067	ug/kg-Wet	4	4	100	0.0545	0.345	0.14	0.066	0.0937	0.0545	0.345	0.14	0.066	0.0937
PCB068	ug/kg-Wet	4	4	100	0.0229 J	0.151	0.0655	0.0341	0.0539	0.0229 J	0.151	0.0655	0.0341	0.0539
PCB072	ug/kg-Wet	4	4	100	0.0337	0.198	0.0857	0.0447	0.0665	0.0337	0.198	0.0857	0.0447	0.0665
PCB073	ug/kg-Wet	4	0	0						0.0058 U	0.0116 U	0.0044	0.003145 U	0.00575 U
PCB077	ug/kg-Wet	4	4	100	0.162	0.685	0.299	0.168	0.181	0.162	0.685	0.299	0.168	0.181
PCB078	ug/kg-Wet	4	1	25	0.13	0.13	0.13	0.13	0.13	0.00412 U	0.13	0.0349	0.003775 U	0.003815 U
PCB079	ug/kg-Wet	4	4	100	0.043	0.149	0.0781	0.0459	0.0745	0.043	0.149	0.0781	0.0459	0.0745
PCB080	ug/kg-Wet	4	0	0						0.00559 U	0.0112 U	0.00424	0.00303 U	0.00555 U
PCB081	ug/kg-Wet	4	4	100	0.00782	0.036	0.0164	0.00881	0.013	0.00782	0.036	0.0164	0.00881	0.013
PCB082	ug/kg-Wet	4	4	100	0.241	0.802	0.429	0.333	0.338	0.241	0.802	0.429	0.333	0.338
PCB083 & 099	ug/kg-Wet	4	4	100	3.62 J	11.5 J	6.18	3.93 J	5.68 J	3.62 J	11.5 J	6.18	3.93 J	5.68 J

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Table C1-15. Summary Statistics - Black Crappie

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB084	ug/kg-Wet	4	4	100	0.402	1.24	0.697	0.567	0.577	0.402	1.24	0.697	0.567	0.577
PCB085 & 116 & 117	ug/kg-Wet	4	4	100	0.916 J	2.69 J	1.46	1.03 J	1.21 J	0.916 J	2.69 J	1.46	1.03 J	1.21 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	4	4	100	2.09 J	6.99 J	3.76	2.47 J	3.48 J	2.09 J	6.99 J	3.76	2.47 J	3.48 J
PCB088 & 091	ug/kg-Wet	4	4	100	0.395 J	1.53 J	0.787	0.552 J	0.669 J	0.395 J	1.53 J	0.787	0.552 J	0.669 J
PCB089	ug/kg-Wet	4	4	100	0.0142 J	0.0575	0.0273	0.0147	0.0226	0.0142 J	0.0575	0.0273	0.0147	0.0226
PCB090 & 101 & 113	ug/kg-Wet	4	4	100	4.22 J	14.5 J	7.76	4.85 J	7.47 J	4.22 J	14.5 J	7.76	4.85 J	7.47 J
PCB092	ug/kg-Wet	4	4	100	0.852	2.84	1.53	0.975	1.47	0.852	2.84	1.53	0.975	1.47
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	4	4	100	1.99 J	6.88 J	3.7	2.71 J	3.22 J	1.99 J	6.88 J	3.7	2.71 J	3.22 J
PCB094	ug/kg-Wet	4	4	100	0.0154 J	0.0695	0.0338	0.0231	0.0272	0.0154 J	0.0695	0.0338	0.0231	0.0272
PCB096	ug/kg-Wet	4	4	100	0.0145 J	0.06	0.0303	0.0216	0.0252	0.0145 J	0.06	0.0303	0.0216	0.0252
PCB103	ug/kg-Wet	4	4	100	0.0655	0.261	0.138	0.0895	0.135	0.0655	0.261	0.138	0.0895	0.135
PCB104	ug/kg-Wet	4	1	25	0.00836	0.00836	0.00836	0.00836	0.00836	0.00738 U	0.0137 U	0.00641	0.00675 U	0.00685 U
PCB105	ug/kg-Wet	4	4	100	1.92	4.93	2.79	2.02	2.27	1.92	4.93	2.79	2.02	2.27
PCB106	ug/kg-Wet	4	0	0						0.00895 U	0.018 U	0.00681	0.004855 U	0.0089 U
PCB107 & 124	ug/kg-Wet	4	4	100	0.161 J	0.407 J	0.237	0.169 J	0.21 J	0.161 J	0.407 J	0.237	0.169 J	0.21 J
PCB109	ug/kg-Wet	4	4	100	0.435	1.23	0.695	0.448	0.668	0.435	1.23	0.695	0.448	0.668
PCB110 & 115	ug/kg-Wet	4	4	100	3.33 J	8.73 J	5.16	4.08 J	4.5 J	3.33 J	8.73 J	5.16	4.08 J	4.5 J
PCB111	ug/kg-Wet	4	3	75	0.00924	0.0141	0.0113	0.0105	0.0105	0.00924	0.0141	0.00975	0.00924	0.0105
PCB112	ug/kg-Wet	4	0	0						0.00637 U	0.0128 U	0.00485	0.003455 U	0.00635 U
PCB114	ug/kg-Wet	4	4	100	0.13	0.359	0.195	0.133	0.157	0.13	0.359	0.195	0.133	0.157
PCB118	ug/kg-Wet	4	4	100	5.14	12.7	7.38	5.32	6.37	5.14	12.7	7.38	5.32	6.37
PCB120	ug/kg-Wet	4	4	100	0.033	0.0843	0.0524	0.0404	0.052	0.033	0.0843	0.0524	0.0404	0.052
PCB121	ug/kg-Wet	4	3	75	0.00842 J	0.0151	0.0119	0.0121	0.0121	0.00751 U	0.0151	0.00984	0.00842 J	0.0121
PCB122	ug/kg-Wet	4	4	100	0.0391	0.135	0.0708	0.053	0.0562	0.0391	0.135	0.0708	0.053	0.0562
PCB123	ug/kg-Wet	4	4	100	0.0932	0.263	0.145	0.0955	0.128	0.0932	0.263	0.145	0.0955	0.128
PCB126	ug/kg-Wet	4	4	100	0.0131	0.0253	0.0175	0.0139	0.0177	0.0131	0.0253	0.0175	0.0139	0.0177
PCB127	ug/kg-Wet	4	1	25	0.0235	0.0235	0.0235	0.0235	0.0235	0.00952 U	0.0235	0.0114	0.0087 U	0.0088 U
PCB128 & 166	ug/kg-Wet	4	4	100	0.903 J	2.07 J	1.27	0.951 J	1.14 J	0.903 J	2.07 J	1.27	0.951 J	1.14 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	4	4	100	8.21 J	20.1 J	12.6	8.59 J	13.4 J	8.21 J	20.1 J	12.6	8.59 J	13.4 J
PCB130	ug/kg-Wet	4	4	100	0.452	0.968	0.645	0.483	0.677	0.452	0.968	0.645	0.483	0.677
PCB131	ug/kg-Wet	4	4	100	0.0278 J	0.083	0.0499	0.037 J	0.0519	0.0278 J	0.083	0.0499	0.037 J	0.0519
PCB132	ug/kg-Wet	4	4	100	0.875	2.71	1.5	1.04	1.39	0.875	2.71	1.5	1.04	1.39
PCB133	ug/kg-Wet	4	4	100	0.185	0.409	0.27	0.19	0.297	0.185	0.409	0.27	0.19	0.297
PCB134 & 143	ug/kg-Wet	4	2	50	0.133 J	0.189 J	0.161	0.133 J	0.133 J	0.0096 U	0.189 J	0.083	0.0052 U	0.133 J
PCB135 & 151 & 154	ug/kg-Wet	4	4	100	1.79 J	5.27 J	3.03	1.88 J	3.19 J	1.79 J	5.27 J	3.03	1.88 J	3.19 J
PCB136	ug/kg-Wet	4	4	100	0.265	0.963	0.512	0.342	0.477	0.265	0.963	0.512	0.342	0.477
PCB137	ug/kg-Wet	4	4	100	0.316	0.716	0.484	0.378	0.527	0.316	0.716	0.484	0.378	0.527
PCB139 & 140	ug/kg-Wet	4	4	100	0.117 J	0.277 J	0.175	0.119 J	0.186 J	0.117 J	0.277 J	0.175	0.119 J	0.186 J
PCB141	ug/kg-Wet	4	4	100	0.944	2.92	1.67	1.06	1.76	0.944	2.92	1.67	1.06	1.76
PCB142	ug/kg-Wet	4	0	0						0.00552 U	0.0111 U	0.0042	0.002995 U	0.0055 U
PCB144	ug/kg-Wet	4	4	100	0.205	0.62	0.352	0.217	0.364	0.205	0.62	0.352	0.217	0.364
PCB145	ug/kg-Wet	4	1	25	0.00271	0.00271	0.00271	0.00271	0.00271	0.00235 U	0.00435 U	0.00205	0.002155 U	0.002175 U
PCB146	ug/kg-Wet	4	4	100	1.68	3.96	2.7	2.2	2.94	1.68	3.96	2.7	2.2	2.94
PCB147 & 149	ug/kg-Wet	4	4	100	3.71 J	10.6 J	6.14	3.8 J	6.46 J	3.71 J	10.6 J	6.14	3.8 J	6.46 J
PCB148	ug/kg-Wet	4	4	100	0.0306	0.0724	0.0461	0.032	0.0495	0.0306	0.0724	0.0461	0.032	0.0495
PCB150	ug/kg-Wet	4	4	100	0.00991 J	0.0413	0.0222	0.0145	0.0229	0.00991 J	0.0413	0.0222	0.0145	0.0229
PCB152	ug/kg-Wet	4	2	50	0.00714	0.0139	0.0105	0.00714	0.00714	0.00714	0.0139	0.00787	0.00525 U	0.00714
PCB153 & 168	ug/kg-Wet	4	4	100	8.82 J	22.7 J	14.3	9.98 J	15.8 J	8.82 J	22.7 J	14.3	9.98 J	15.8 J
PCB155	ug/kg-Wet	4	2	50	0.00521	0.00599	0.0056	0.00521	0.00521	0.00521	0.00797 U	0.00478	0.003985 U	0.00521
PCB156	ug/kg-Wet	4	4	100	0.512	1.11	0.734	0.543	0.769	0.512	1.11	0.734	0.543	0.769
PCB157	ug/kg-Wet	4	4	100	0.111	0.23	0.154	0.114	0.159	0.111	0.23	0.154	0.114	0.159
PCB158	ug/kg-Wet	4	4	100	0.717	1.79	1.1	0.747	1.14	0.717	1.79	1.1	0.747	1.14
PCB159	ug/kg-Wet	4	4	100	0.0447	0.103	0.0634	0.0458	0.0602	0.0447	0.103	0.0634	0.0458	0.0602
PCB161	ug/kg-Wet	4	0	0						0.00611 U	0.0123 U	0.00466	0.003315 U	0.0061 U
PCB162	ug/kg-Wet	4	4	100	0.0293	0.0383	0.0338	0.03	0.0375	0.0293	0.0383	0.0338	0.03	0.0375
PCB164	ug/kg-Wet	4	4	100	0.317	0.766	0.478	0.342	0.486	0.317	0.766	0.478	0.342	0.486
PCB165	ug/kg-Wet	4	2	50	0.0142	0.0166	0.0154	0.0142	0.0142	0.01 U	0.0166	0.0102	0.00505 U	0.0142
PCB167	ug/kg-Wet	4	4	100	0.301	0.584	0.402	0.309	0.413	0.301	0.584	0.402	0.309	0.413
PCB169	ug/kg-Wet	4	3	75	0.000818 J	0.00105	0.000936	0.00094	0.00094	0.000818 J	0.00105	0.000818	0.000818 J	0.00094
PCB170	ug/kg-Wet	4	4	100	1.48	3.33	2.09	1.51	2.04	1.48	3.33	2.09	1.51	2.04
PCB171 & 173	ug/kg-Wet	4	4	100	0.508 J	1.21 J	0.74	0.521 J	0.719 J	0.508 J	1.21 J	0.74	0.521 J	0.719 J
PCB172	ug/kg-Wet	4	4	100	0.335	0.681	0.468	0.369	0.485	0.335	0.681	0.468	0.369	0.485
PCB174	ug/kg-Wet	4	4	100	0.859	2.32	1.35	0.888	1.34	0.859	2.32	1.35	0.888	1.34
PCB175	ug/kg-Wet	4	4	100	0.0803	0.174	0.114	0.0808	0.122	0.0803	0.174	0.114	0.0808	0.122
PCB176	ug/kg-Wet	4	4	100	0.106	0.277	0.165	0.107	0.17	0.106	0.277	0.165	0.107	0.17
PCB177	ug/kg-Wet	4	4	100	0.977	2.31	1.44	1.01	1.45	0.977	2.31	1.44	1.01	1.45
PCB178	ug/kg-Wet	4	4	100	0.486	1.03	0.709	0.547	0.773	0.486	1.03	0.709	0.547	0.773

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Table C1-15. Summary Statistics - Black Crappie

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB179	ug/kg-Wet	4	4	100	0.354	0.906	0.557	0.399	0.57	0.354	0.906	0.557	0.399	0.57
PCB180 & 193	ug/kg-Wet	4	4	100	4.36 J	9.42 J	6.23	4.5 J	6.62 J	4.36 J	9.42 J	6.23	4.5 J	6.62 J
PCB181	ug/kg-Wet	4	4	100	0.0168	0.033	0.0236	0.0201	0.0244	0.0168	0.033	0.0236	0.0201	0.0244
PCB182	ug/kg-Wet	4	4	100	0.0231	0.0383	0.0291	0.0262 J	0.0286	0.0231	0.0383	0.0291	0.0262 J	0.0286
PCB183 & 185	ug/kg-Wet	4	4	100	1.45 J	3.34 J	2.14	1.52 J	2.26 J	1.45 J	3.34 J	2.14	1.52 J	2.26 J
PCB184	ug/kg-Wet	4	0	0						0.00646 U	0.013 U	0.00492	0.003505 U	0.00645 U
PCB186	ug/kg-Wet	4	0	0						0.00372 U	0.00747 U	0.00283	0.00202 U	0.0037 U
PCB187	ug/kg-Wet	4	4	100	3.11	6.6	4.75	4.1	5.19	3.11	6.6	4.75	4.1	5.19
PCB188	ug/kg-Wet	4	2	50	0.00923	0.015	0.0121	0.00923	0.00923	0.00923	0.015	0.00957	0.00705 U	0.00923
PCB189	ug/kg-Wet	4	4	100	0.0568	0.107	0.0743	0.0639	0.0693	0.0568	0.107	0.0743	0.0639	0.0693
PCB190	ug/kg-Wet	4	4	100	0.324	0.761	0.468	0.329	0.458	0.324	0.761	0.468	0.329	0.458
PCB191	ug/kg-Wet	4	4	100	0.0744	0.159	0.103	0.0781	0.0999	0.0744	0.159	0.103	0.0781	0.0999
PCB192	ug/kg-Wet	4	0	0						0.00336 U	0.00674 U	0.00255	0.00182 U	0.00334 U
PCB194	ug/kg-Wet	4	4	100	0.521	0.899	0.683	0.56	0.752	0.521	0.899	0.683	0.56	0.752
PCB195	ug/kg-Wet	4	4	100	0.229	0.43	0.3	0.232	0.309	0.229	0.43	0.3	0.232	0.309
PCB196	ug/kg-Wet	4	4	100	0.336	0.627	0.452	0.341	0.505	0.336	0.627	0.452	0.341	0.505
PCB197 & 200	ug/kg-Wet	4	4	100	0.0754 J	0.139	0.101	0.0823 J	0.107 J	0.0754 J	0.139	0.101	0.0823 J	0.107 J
PCB198 & 199	ug/kg-Wet	4	4	100	0.794 J	1.37	1.07	0.914 J	1.22 J	0.794 J	1.37	1.07	0.914 J	1.22 J
PCB201	ug/kg-Wet	4	4	100	0.0913	0.17	0.128	0.0997	0.15	0.0913	0.17	0.128	0.0997	0.15
PCB202	ug/kg-Wet	4	4	100	0.189	0.355	0.272	0.205	0.338	0.189	0.355	0.272	0.205	0.338
PCB203	ug/kg-Wet	4	4	100	0.536	0.957	0.721	0.58	0.811	0.536	0.957	0.721	0.58	0.811
PCB204	ug/kg-Wet	4	0	0						0.00888 U	0.0178 U	0.00675	0.004815 U	0.00885 U
PCB205	ug/kg-Wet	4	4	100	0.0253	0.0506	0.0351	0.026	0.0385	0.0253	0.0506	0.0351	0.026	0.0385
PCB206	ug/kg-Wet	4	4	100	0.188	0.313	0.25	0.217	0.281	0.188	0.313	0.25	0.217	0.281
PCB207	ug/kg-Wet	4	4	100	0.034	0.0451	0.0397	0.0374	0.0424	0.034	0.0451	0.0397	0.0374	0.0424
PCB208	ug/kg-Wet	4	4	100	0.0901	0.102	0.0965	0.0945	0.0994	0.0901	0.102	0.0965	0.0945	0.0994
PCB209	ug/kg-Wet	4	4	100	0.0814	0.0996	0.09	0.0891	0.0899	0.0814	0.0996	0.09	0.0891	0.0899
Total PCB Congeners	ug/kg-Wet	4	4	100	103 JT	301 JT	164	106 JT	146 JT	103 JT	301 JT	164	106 JT	146 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.781 JT	1.9 JT	1.12	0.822 JT	0.989 JT	0.781 JT	1.9 JT	1.12	0.822 JT	0.989 JT
Heptachlorobiphenyl homologs	ug/kg-Wet	4	4	100	14.7 JT	32.7 JT	21.5	16 JT	22.4 JT	14.7 JT	32.7 JT	21.5	16 JT	22.4 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	4	4	100	31.4 JT	79.1 JT	48.8	32.9 JT	51.8 JT	31.4 JT	79.1 JT	48.8	32.9 JT	51.8 JT
Monochlorobiphenyl homologs	ug/kg-Wet	2	2	100	0.014 JT	0.0331 JT	0.0236	0.014 JT	0.014 JT	0.014 JT	0.0331 JT	0.0236	0.014 JT	0.014 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.317 T	0.46 T	0.386	0.354 T	0.414 T	0.317 T	0.46 T	0.386	0.354 T	0.414 T
Octachlorobiphenyl homologs	ug/kg-Wet	4	4	100	2.81 JT	5 T	3.77	3.03 JT	4.23 JT	2.81 JT	5 T	3.77	3.03 JT	4.23 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	4	4	100	26.3 JT	78.3 JT	43.3	29.9 JT	38.7 JT	26.3 JT	78.3 JT	43.3	29.9 JT	38.7 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	4	4	100	17.5 JT	84.3 JT	36	18.6 JT	23.6 JT	17.5 JT	84.3 JT	36	18.6 JT	23.6 JT
Trichlorobiphenyl homologs	ug/kg-Wet	4	4	100	4.22 JT	19.5 JT	9.17	6.05 JT	6.91 JT	4.22 JT	19.5 JT	9.17	6.05 JT	6.91 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						2 U	3.7 U	1.48	1.5 UT	1.55 U
2,4'-DDE	ug/kg-Wet	4	0	0						1 U	1.1 U	0.525	0.5 UT	0.55 U
2,4'-DDT	ug/kg-Wet	4	3	75	4.7 NJ	6.6 NJ	5.43	5 NJ	5 NJ	4.7 NJ	6.9 UT	4.94	4.7 NJ	5 NJ
4,4'-DDD	ug/kg-Wet	4	4	100	7.9 J	18.5 JT	12.1	11 J	11 J	7.9 J	18.5 JT	12.1	11 J	11 J
4,4'-DDE	ug/kg-Wet	4	4	100	37 J	80.5 T	55.6	38	67	37 J	80.5 T	55.6	38	67
4,4'-DDT	ug/kg-Wet	4	3	75	8.6 J	15 J	11.2	10 J	10 J	6.3 UT	15 J	9.19	8.6 J	10 J
Aldrin	ug/kg-Wet	4	0	0						1 U	1.3 U	0.538	0.5 UJ	0.5 UT
alpha-Endosulfan	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	1	25	1.4 NJ	1.4 NJ	1.4	1.4 NJ	1.4 NJ	1 U	1.4 NJ	0.725	0.5 U	0.5 UT
beta-Endosulfan	ug/kg-Wet	4	0	0						1 U	1.3 U	0.55	0.5 U	0.55 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1.5 UJ	3.8 U	1.14	0.75 UT	1.15 UJ
cis-Chlordane	ug/kg-Wet	4	4	100	1.4 N	3.5 NJ	2.6	2.1 NJ	3.4 NJ	1.4 N	3.5 NJ	2.6	2.1 NJ	3.4 NJ
cis-Nonachlor	ug/kg-Wet	4	0	0						5.8 U	7.3 U	3.39	3.45 U	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	4	1	25	2.3 NJ	2.3 NJ	2.3	2.3 NJ	2.3 NJ	1 U	7.3 UT	1.74	0.5 U	2.3 NJ
Dieldrin	ug/kg-Wet	4	1	25	2.5 NJ	2.5 NJ	2.5	2.5 NJ	2.5 NJ	1.8 U	14 UT	2.84	0.95 U	2.5 NJ
Endosulfan sulfate	ug/kg-Wet	4	1	25	1.1 NJ	1.1 NJ	1.1	1.1 NJ	1.1 NJ	1 UJ	12 UT	2.03	0.5 U	1.1 NJ
Endrin aldehyde	ug/kg-Wet	4	0	0						1 UJ	1.4 U	0.563	0.5 UJT	0.55 U
Endrin ketone	ug/kg-Wet	4	0	0						1 U	1 UT	0.5	0.5 U	0.5 U
Endrin	ug/kg-Wet	4	0	0						1 U	1.3 U	0.563	0.5 U	0.6 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 U	1.6 U	0.638	0.5 UT	0.75 U
Heptachlor epoxide	ug/kg-Wet	4	0	0						1 U	1 UT	0.5	0.5 UJ	0.5 U
Heptachlor	ug/kg-Wet	4	1	25	1.8 N	1.8 N	1.8	1.8 N	1.8 N	1 U	1.8 N	0.863	0.5 UT	0.65 U
Methoxychlor	ug/kg-Wet	4	0	0						1 U	2.5 U	0.8	0.5 U	0.95 UT
Mirex	ug/kg-Wet	4	0	0						1 U	1 UT	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	4	2	50	2.2 NJ	2.3 N	2.25	2.2 NJ	2.2 NJ	1 U	2.3 N	1.38	0.5 UT	2.2 NJ
Total Chlordanes	ug/kg-Wet	4	4	100	2.1 JT	9.2 JT	6.33	5.1 T	8.9 JT	2.1 JT	9.2 JT	6.33	5.1 T	8.9 JT
Total Endosulfan	ug/kg-Wet	4	1	25	1.1 JT	1.1 JT	1.1	1.1 JT	1.1 JT	1 UJT	12 UT	2.06	0.65 UT	1.1 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	59.2 JT	99.6 JT	80.2	63 JT	99 JT	59.2 JT	99.6 JT	80.2	63 JT	99 JT

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Table C1-15. Summary Statistics - Black Crappie

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	4	100	7.9 JT	18.5 JT	12.1	11 JT	11 JT	7.9 JT	18.5 JT	12.1	11 JT	11 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	4	100	37 JT	80.5 T	55.6	38 T	67 T	37 JT	80.5 T	55.6	38 T	67 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	3	75	13.3 JT	21.6 JT	16.6	15 JT	15 JT	6.9 UT	21.6 JT	13.3	13.3 JT	15 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	54.5 JT	99 JT	76.1	58 JT	93 JT	54.5 JT	99 JT	76.1	58 JT	93 JT
Toxaphene	ug/kg-Wet	4	0	0						96 U	280 U	98.3	100 U	105 U
trans-Chlordane	ug/kg-Wet	4	1	25	3.7 N	3.7 N	3.7	3.7 N	3.7 N	1 U	3.7 N	1.35	0.5 U	0.7 UT
trans-Nonachlor	ug/kg-Wet	4	2	50	3.2 NJ	3.5 NJ	3.35	3.2 NJ	3.2 NJ	1.8 U	3.5 NJ	2.18	1.1 UT	3.2 NJ
SVOCs														
Hexachlorobenzene	ug/kg-Wet	4	2	50	5.7 NT	8.1 N	6.9	5.7 NT	5.7 NT	1 U	8.1 N	3.71	0.55 U	5.7 NT
Hexachlorobutadiene	ug/kg-Wet	4	3	75	1.3 NJ	2.3 NJ	1.67	1.4 NJ	1.4 NJ	1 UJT	2.3 NJ	1.38	1.3 NJ	1.4 NJ
Hexachloroethane	ug/kg-Wet	4	0	0						1 UJ	1 UJT	0.5	0.5 UJ	0.5 UJ

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compoun

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-16. Summary Statistics - Carp.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Fillet without skin														
Metals														
Mercury	mg/kg-Wet	6	6	100	0.074	0.191 T	0.127	0.098	0.185	0.074	0.191 T	0.127	0.098	0.185
Fillet														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						3.8 U	41 U	12.3	11.5 U	19 U
Aroclor 1221	ug/kg-Wet	6	0	0						3.8 U	38 U	11.6	9.5 U	19 U
Aroclor 1232	ug/kg-Wet	6	0	0						3.8 U	84 U	18.6	19 U	27.5 U
Aroclor 1242	ug/kg-Wet	6	0	0						3.8 U	57 UJ	14.5	16.5 UJ	19 U
Aroclor 1248	ug/kg-Wet	6	4	66.7	110	410	215	160	180	110	410	174	110	180
Aroclor 1254	ug/kg-Wet	6	0	0						200 U	760 U	240	235 U	345 UJ
Aroclor 1260	ug/kg-Wet	6	6	100	230 J	1200 J	668	490	1200 J	230 J	1200 J	668	490	1200 J
Aroclor 1262	ug/kg-Wet	6	0	0						3.8 U	38 U	11.6	9.5 UJ	19 U
Aroclor 1268	ug/kg-Wet	6	0	0						3.8 U	38 U	11.6	9.5 UJ	19 U
Total PCB Aroclors	ug/kg-Wet	6	6	100	350 T	1200 JT	812	670 T	1200 JT	350 T	1200 JT	812	670 T	1200 JT
Conventionals														
Lipids	percent-Wet	6	6	100	3.3 T	8 T	4.63	4.27 T	4.5 T	3.3 T	8 T	4.63	4.27 T	4.5 T
Total solids	percent-Wet	6	6	100	22.8	26.5	24	23.6 T	24.2	22.8	26.5	24	23.6 T	24.2
Metals														
Aluminum	mg/kg-Wet	6	6	100	1.16 J	2.68 J	1.75	1.65 J	1.97 JT	1.16 J	2.68 J	1.75	1.65 J	1.97 JT
Antimony	mg/kg-Wet	6	0	0						0.001 U	0.001 U	0.0005	0.0005 U	0.0005 UT
Arsenic	mg/kg-Wet	6	6	100	0.05 J	0.16	0.0967	0.08 JT	0.12 J	0.05 J	0.16	0.0967	0.08 JT	0.12 J
Cadmium	mg/kg-Wet	6	6	100	0.002 J	0.009 J	0.00425	0.0035 JT	0.005 J	0.002 J	0.009 J	0.00425	0.0035 JT	0.005 J
Chromium	mg/kg-Wet	6	3	50	0.12 J	1.49	0.603	0.2	0.2	0.07 U	1.49	0.319	0.035 U	0.2
Copper	mg/kg-Wet	6	6	100	0.313	0.497	0.401	0.376	0.458	0.313	0.497	0.401	0.376	0.458
Lead	mg/kg-Wet	6	2	33.3	0.012	0.057	0.0345	0.012	0.012	0.004 U	0.057	0.0132	0.002 U	0.012
Manganese	mg/kg-Wet	6	6	100	0.191 T	0.379	0.278	0.228	0.344	0.191 T	0.379	0.278	0.228	0.344
Nickel	mg/kg-Wet	6	5	83.3	0.012 J	0.087	0.0438	0.04 J	0.057 T	0.002 U	0.087	0.0367	0.023 J	0.057 T
Selenium	mg/kg-Wet	6	0	0						0.3 U	0.5 U	0.175	0.15 U	0.2 U
Silver	mg/kg-Wet	6	0	0						0.0002 U	0.0003 U	0.000108	0.0001 U	0.0001 U
Thallium	mg/kg-Wet	6	6	100	0.00075 JT	0.0034 J	0.00208	0.0021 J	0.0028 J	0.00075 JT	0.0034 J	0.00208	0.0021 J	0.0028 J
Zinc	mg/kg-Wet	6	6	100	17.4 J	29.8 J	23.3	23.8 J	24.6 JT	17.4 J	29.8 J	23.3	23.8 J	24.6 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	2	33.3	11 JT	16 JT	13.5	11 JT	11 JT	8.6 UT	16 JT	7.43	4.3 UT	11 JT
2,4'-DDE	ug/kg-Wet	6	0	0						4 UJT	7.5 UT	2.58	2 UT	3.75 UT
2,4'-DDT	ug/kg-Wet	6	1	16.7	24 N	24 N	24	24 N	24 N	6.9 UT	24 N	6.88	3.45 UT	3.45 UT
4,4'-DDD	ug/kg-Wet	6	6	100	23 NJ	63.5 T	38	33.5 JT	43.5 JT	23 NJ	63.5 T	38	33.5 JT	43.5 JT
4,4'-DDE	ug/kg-Wet	6	6	100	73 JT	135 JT	94.8	87 J	98.5 JT	73 JT	135 JT	94.8	87 J	98.5 JT
4,4'-DDT	ug/kg-Wet	6	1	16.7	39 NJ	39 NJ	39	39 NJ	39 NJ	6.3 UT	39 NJ	9.13	3.15 UT	3.15 UT
Aldrin	ug/kg-Wet	6	0	0						4 UT	13 UT	3.23	2 UT	4.9 UT
alpha-Endosulfan	ug/kg-Wet	6	1	16.7	4.1 NJ	4.1 NJ	4.1	4.1 NJ	4.1 NJ	4 U	20 U	4.17	2 U	4.9 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	6.4 UT	2.4	2 UT	3.2 UT
beta-Endosulfan	ug/kg-Wet	6	0	0						4 UJT	15 UT	3.4	2 UT	4.9 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UJT	8.5 UT	2.91	2 UT	4.25 UT
cis-Chlordane	ug/kg-Wet	6	1	16.7	4.3 NJ	4.3 NJ	4.3	4.3 NJ	4.3 NJ	4 UJ	20 UJ	4.2	2 U	4.9 U
cis-Nonachlor	ug/kg-Wet	6	0	0						7.1 UT	17 U	4.38	3.55 UT	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	7.3 UT	2.55	2 UJT	3.65 UT
Dieldrin	ug/kg-Wet	6	0	0						4 UJ	14 UT	3.69	2.65 UJT	4.9 UT
Endosulfan sulfate	ug/kg-Wet	6	0	0						4 UJT	12 UT	3.15	2 UT	4.9 UT
Endrin aldehyde	ug/kg-Wet	6	0	0						4 UJT	8.5 UT	2.75	2 UT	4.25 UT
Endrin ketone	ug/kg-Wet	6	0	0						4 UJT	7.5 UT	2.58	2 UT	3.75 UT
Endrin	ug/kg-Wet	6	0	0						4 UJT	31 UJT	6.07	2 UT	10 UJT
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UJT	9.6 UT	2.93	2 UJT	4.8 UT
Heptachlor epoxide	ug/kg-Wet	6	0	0						4 UT	8 UT	2.67	2 UJT	4 UT
Heptachlor	ug/kg-Wet	6	0	0						4 UT	13 UT	3.23	2 UT	4.9 UT
Methoxychlor	ug/kg-Wet	6	1	16.7	7.2 NJ	7.2 NJ	7.2	7.2 NJ	7.2 NJ	4 UT	7.2 NJ	3.07	2.4 UT	2.4 UT
Mirex	ug/kg-Wet	6	0	0						4 UJ	6.2 UT	2.55	2 UT	3.1 UT
Oxychlordane	ug/kg-Wet	6	0	0						4 UT	20 UT	3.82	2 UT	4.9 UT
Total Chlordanes	ug/kg-Wet	6	1	16.7	4.3 JT	4.3 JT	4.3	4.3 JT	4.3 JT	4.3 JT	20 UJT	6.13	4.9 UT	8.5 UT
Total Endosulfan	ug/kg-Wet	6	1	16.7	4.1 JT	4.1 JT	4.1	4.1 JT	4.1 JT	4 UJT	20 UT	4.17	2 UT	4.9 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	99.5 JT	173 JT	148	138 JT	173 JT	99.5 JT	173 JT	148	138 JT	173 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	6	100	23 JT	79.5 JT	42.5	33.5 JT	54.5 JT	23 JT	79.5 JT	42.5	33.5 JT	54.5 JT

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Table C1-16. Summary Statistics - Carp.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	73 JT	135 JT	94.8	87 JT	98.5 JT	73 JT	135 JT	94.8	87 JT	98.5 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	1	16.7	63 JT	63 JT	63	63 JT	63 JT	6.9 UT	63 JT	13.4	3.45 UT	3.45 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	99.5 JT	173 JT	139	132 JT	155 T	99.5 JT	173 JT	139	132 JT	155 T
Toxaphene	ug/kg-Wet	6	0	0						580 UJ	2600 UJ	643	340 UJ	1250 UJ
trans-Chlordane	ug/kg-Wet	6	0	0						4 UT	8.4 UT	2.73	2 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	6	0	0						4 U	11 UT	3.84	3.15 UT	5.5 UT
SVOCs														
Hexachlorobenzene	ug/kg-Wet	6	2	33.3	4.2 NT	140 T	72.1	4.2 NT	4.2 NT	4 UT	140 T	25.6	2 UT	4.2 NT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						4 UJT	4.6 UT	2.1	2 UT	2.3 UT
Hexachloroethane	ug/kg-Wet	6	0	0						4 UJT	13 UT	3.5	2 UJT	6.5 UT
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						9.5 U	470 U	52	19 U	26.5 U
Aroclor 1221	ug/kg-Wet	6	0	0						9.5 U	390 U	50.5	19 U	40 U
Aroclor 1232	ug/kg-Wet	6	0	0						9.5 U	550 U	65.6	19 U	55 U
Aroclor 1242	ug/kg-Wet	6	0	0						9.5 U	630 UJ	68.8	19 U	38 U
Aroclor 1248	ug/kg-Wet	6	3	50	60	270	147	110	110	60	730 UJ	163	90 U	270
Aroclor 1254	ug/kg-Wet	6	0	0						140 U	5200 UJ	615	255 U	375 U
Aroclor 1260	ug/kg-Wet	6	6	100	170	6500 J	1570	690	1100	170	6500 J	1570	690	1100
Aroclor 1262	ug/kg-Wet	6	0	0						9.5 U	190 UJ	25.3	9.5 U	19 U
Aroclor 1268	ug/kg-Wet	6	0	0						9.5 U	190 UJ	25.3	9.5 U	19 U
Total PCB Aroclors	ug/kg-Wet	6	6	100	230 T	6500 JT	1640	690 T	1100 T	230 T	6500 JT	1640	690 T	1100 T
Conventionals														
Lipids	percent-Wet	6	6	100	5.6 T	13 T	7.88	6.9 T	8 T	5.6 T	13 T	7.88	6.9 T	8 T
Total solids	percent-Wet	6	6	100	28	33.5	29.5	28.7 T	29.6	28	33.5	29.5	28.7 T	29.6
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	6	6	100	1.01	7.13 J	2.71	1.79	2.8	1.01	7.13 J	2.71	1.79	2.8
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	5.25	18.3	12.8	13.2	17	5.25	18.3	12.8	13.2	17
Hexachlorodibenzofuran homologs	pg/g-Wet	6	6	100	1.61	13	5.17	3.05	6.78	1.61	13	5.17	3.05	6.78
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	3.07	10.1	6.28	5.63	8.09	3.07	10.1	6.28	5.63	8.09
Octachlorodibenzofuran	pg/g-Wet	6	6	100	0.262	0.711	0.463	0.448	0.636	0.262	0.711	0.463	0.448	0.636
Octachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	8.04	36.7	20.7	18.7	31.1	8.04	36.7	20.7	18.7	31.1
Pentachlorodibenzofuran homologs	pg/g-Wet	6	6	100	2.24	16.3	5.95	3.7	5.83	2.24	16.3	5.95	3.7	5.83
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.714	2.2	1.39	1.27	1.8	0.714	2.2	1.39	1.27	1.8
Tetrachlorodibenzofuran homologs	pg/g-Wet	6	6	100	2.13	3.73	2.86	2.62	3.43	2.13	3.73	2.86	2.62	3.43
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.492	1.16	0.733	0.609	0.795	0.492	1.16	0.733	0.609	0.795
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	6	6	100	0.537	3.14	1.37	1	1.51	0.537	3.14	1.37	1	1.51
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	4.47	15	10	11.7	12.3	4.47	15	10	11.7	12.3
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	6	6	100	0.042	0.294 J	0.125	0.085	0.179	0.042	0.294 J	0.125	0.085	0.179
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.32	8.17	1.96	0.839	1.13	0.32	8.17	1.96	0.839	1.13
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.419	1.51	0.922	0.78	1.2	0.419	1.51	0.922	0.78	1.2
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.165	1.96	0.606	0.335	0.587	0.165	1.96	0.606	0.335	0.587
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	2.01	6.66	4.14	3.53	5.65	2.01	6.66	4.14	3.53	5.65
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	6	4	66.7	0.012	0.057	0.0328	0.029	0.033	0.012	0.057	0.0243	0.012	0.033
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.261	0.772	0.497	0.412	0.649	0.261	0.772	0.497	0.412	0.649
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.414	1.05	0.738	0.581	1.02	0.414	1.05	0.738	0.581	1.02
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.695	2.08	1.34	1.23	1.75	0.695	2.08	1.34	1.23	1.75
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.097	0.48	0.273	0.191	0.421	0.097	0.48	0.273	0.191	0.421
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.764	12.7	3.15	1.3	1.91	0.764	12.7	3.15	1.3	1.91
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	6	6	100	1.62	2.34	1.89	1.68	2.28	1.62	2.34	1.89	1.68	2.28
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.457	1.07	0.687	0.586	0.751	0.457	1.07	0.687	0.586	0.751
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	6	6	100	2.17 T	11.1 T	4.79	3.39 T	5.66 T	2.17 T	11.1 T	4.79	3.39 T	5.66 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	6	6	100	5.39 T	38.8 T	13.2	8.43 T	9.99 T	5.39 T	38.8 T	13.2	8.43 T	9.99 T
Total PCDD/F	pg/g-Wet	6	6	100	26.1 T	80.9 JT	59.1	67 T	79.7 T	26.1 T	80.9 JT	59.1	67 T	79.7 T
Total TCDD toxicity equivalent	pg/g-Wet	6	6	100	7.94 T	49.9 T	18	10.6 JT	15.7 T	7.94 T	49.9 T	18	10.6 JT	15.7 T
Metals														
Aluminum	mg/kg-Wet	6	6	100	52.9 T	134	96.8	98.8	111	52.9 T	134	96.8	98.8	111
Antimony	mg/kg-Wet	6	0	0						0.001 UT	0.004 U	0.00117	0.001 U	0.0015 U
Arsenic	mg/kg-Wet	6	6	100	0.125 JT	0.22	0.166	0.14 J	0.21	0.125 JT	0.22	0.166	0.14 J	0.21
Cadmium	mg/kg-Wet	6	6	100	0.048	0.108	0.0688	0.061	0.0705 T	0.048	0.108	0.0688	0.061	0.0705 T
Chromium	mg/kg-Wet	6	6	100	0.305 T	2.02	1.09	0.86	1.37	0.305 T	2.02	1.09	0.86	1.37
Copper	mg/kg-Wet	6	6	100	1.04	1.42	1.16	1.05 T	1.28	1.04	1.42	1.16	1.05 T	1.28

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Table C1-16. Summary Statistics - Carp.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Lead	mg/kg-Wet	6	6	100	0.121 J	0.202 J	0.151	0.133 JT	0.17 J	0.121 J	0.202 J	0.151	0.133 JT	0.17 J
Manganese	mg/kg-Wet	6	6	100	4.65	8.53	6.22	5.28 T	7.91	4.65	8.53	6.22	5.28 T	7.91
Mercury	mg/kg-Wet	7	7	100	0.029	0.047 T	0.0405	0.042	0.0445 T	0.029	0.047 T	0.0405	0.042	0.0445 T
Nickel	mg/kg-Wet	6	6	100	0.401 JT	1.37 J	0.745	0.569 J	0.834 J	0.401 JT	1.37 J	0.745	0.569 J	0.834 J
Selenium	mg/kg-Wet	6	6	100	0.3	0.4	0.317	0.3	0.3 T	0.3	0.4	0.317	0.3	0.3 T
Silver	mg/kg-Wet	6	4	66.7	0.0102	0.0165	0.0136	0.0128	0.0149	0.0052 U	0.0165	0.00994	0.0102	0.0149
Thallium	mg/kg-Wet	6	6	100	0.00125 JT	0.0049 J	0.00288	0.002 J	0.0038 J	0.00125 JT	0.0049 J	0.00288	0.002 J	0.0038 J
Zinc	mg/kg-Wet	6	6	100	87.1	112	99.3	96.7	110 T	87.1	112	99.3	96.7	110 T
PAHs														
2-Methylnaphthalene	ug/kg-Wet	6	1	16.7	38 T	38 T	38	38 T	38 T	32 UT	38 T	19.8	16 UT	16.5 UT
Acenaphthene	ug/kg-Wet	6	2	33.3	65 T	75 T	70	65 T	65 T	32 UT	75 T	34.1	16 UT	65 T
Acenaphthylene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Anthracene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Chrysene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Fluoranthene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Fluorene	ug/kg-Wet	6	1	16.7	53 T	53 T	53	53 T	53 T	32 UT	53 T	22.3	16 UT	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	6	2	33.3	111 T	222 JT	167	111 T	111 T	32 UT	222 JT	66.3	16 UT	111 T
Naphthalene	ug/kg-Wet	6	2	33.3	46 T	56 JT	51	46 T	46 T	32 UT	56 JT	27.8	16 UT	46 T
Phenanthrene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Pyrene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Total PAHs	ug/kg-Wet	6	2	33.3	111 T	222 JT	167	111 T	111 T	32 UT	222 JT	66.3	16 UT	111 T
PCB_Congeners														
PCB001	ug/kg-Wet	5	5	100	0.00278	0.0321	0.0103	0.00509 J	0.00706	0.00278	0.0321	0.0103	0.00509 J	0.00706
PCB002	ug/kg-Wet	5	5	100	0.00163	0.00471 J	0.003	0.0028	0.00326	0.00163	0.00471 J	0.003	0.0028	0.00326
PCB003	ug/kg-Wet	5	5	100	0.00175 J	0.0178	0.00618	0.00296 J	0.00559 J	0.00175 J	0.0178	0.00618	0.00296 J	0.00559 J
PCB004	ug/kg-Wet	6	6	100	0.125	5.52	1.09	0.206	0.288	0.125	5.52	1.09	0.206	0.288
PCB005	ug/kg-Wet	6	3	50	0.00276	0.00387	0.00321	0.003	0.003	0.00227 U	0.0041 U	0.00234	0.00205 U	0.003
PCB006	ug/kg-Wet	6	6	100	0.0205	0.224	0.0809	0.0539	0.081	0.0205	0.224	0.0809	0.0539	0.081
PCB007	ug/kg-Wet	6	5	83.3	0.00591	0.059	0.0185	0.0092	0.0102	0.00382 U	0.059	0.0157	0.00804	0.0102
PCB008	ug/kg-Wet	6	6	100	0.0902	1.06	0.369	0.243	0.374	0.0902	1.06	0.369	0.243	0.374
PCB009	ug/kg-Wet	6	6	100	0.00645 J	0.19	0.0504	0.0232	0.0364	0.00645 J	0.19	0.0504	0.0232	0.0364
PCB010	ug/kg-Wet	6	6	100	0.00761	0.58	0.109	0.0155	0.0218	0.00761	0.58	0.109	0.0155	0.0218
PCB011	ug/kg-Wet	6	6	100	0.184	0.533	0.279	0.25	0.258	0.184	0.533	0.279	0.25	0.258
PCB012 & 013	ug/kg-Wet	6	4	66.7	0.00725 J	0.248 J	0.0724	0.0157 J	0.0186 J	0.00539 U	0.248 J	0.0495	0.00725 J	0.0186 J
PCB014	ug/kg-Wet	6	0	0						0.000553 U	0.00539 U	0.00153	0.001565 U	0.00159 U
PCB015	ug/kg-Wet	6	6	100	0.0203	0.0929	0.0504	0.029	0.072	0.0203	0.0929	0.0504	0.029	0.072
PCB016	ug/kg-Wet	6	6	100	0.15	0.464	0.29	0.209	0.428	0.15	0.464	0.29	0.209	0.428
PCB017	ug/kg-Wet	6	6	100	0.231	14.8	2.93	0.588	0.758	0.231	14.8	2.93	0.588	0.758
PCB018 & 030	ug/kg-Wet	6	6	100	0.547 J	6.75 J	2	0.962 J	1.82 J	0.547 J	6.75 J	2	0.962 J	1.82 J
PCB019	ug/kg-Wet	6	6	100	0.23	33.3	6.05	0.522	1.32	0.23	33.3	6.05	0.522	1.32
PCB020 & 028	ug/kg-Wet	6	6	100	1.97 J	10.7 J	4.59	2.59 J	6 J	1.97 J	10.7 J	4.59	2.59 J	6 J
PCB021 & 033	ug/kg-Wet	6	6	100	0.361 J	1.97 J	0.873	0.578 J	1.02 J	0.361 J	1.97 J	0.873	0.578 J	1.02 J
PCB022	ug/kg-Wet	6	6	100	0.391	1.25	0.778	0.567	1.06	0.391	1.25	0.778	0.567	1.06
PCB023	ug/kg-Wet	6	3	50	0.00203	0.00818 J	0.00521	0.00541	0.00541	0.00203	0.00818 J	0.00379	0.00203	0.00541
PCB024	ug/kg-Wet	6	4	66.7	0.00673	0.027	0.016	0.0145	0.0158	0.00478 U	0.027	0.0115	0.00673	0.0158
PCB025	ug/kg-Wet	6	6	100	0.108	5.29	1.1	0.288	0.366	0.108	5.29	1.1	0.288	0.366
PCB026 & 029	ug/kg-Wet	6	6	100	0.285 J	5.95 J	1.47	0.519 J	0.935 J	0.285 J	5.95 J	1.47	0.519 J	0.935 J
PCB027	ug/kg-Wet	6	6	100	0.0825	18.9	3.39	0.285	0.544	0.0825	18.9	3.39	0.285	0.544
PCB031	ug/kg-Wet	6	6	100	1.33	6.61	2.98	1.73	3.92	1.33	6.61	2.98	1.73	3.92
PCB032	ug/kg-Wet	6	6	100	0.247	21	4.02	0.567	0.999	0.247	21	4.02	0.567	0.999
PCB034	ug/kg-Wet	6	6	100	0.00961 J	0.0721	0.0264	0.0148	0.0292	0.00961 J	0.0721	0.0264	0.0148	0.0292
PCB035	ug/kg-Wet	6	1	16.7	0.0032	0.0032	0.0032	0.0032	0.0032	0.000745 U	0.00402 U	0.00151	0.00117 U	0.00201 U
PCB036	ug/kg-Wet	6	0	0						0.000684 U	0.00675 U	0.00192	0.00196 U	0.001995 U
PCB037	ug/kg-Wet	6	6	100	0.0712	0.178	0.12	0.088	0.172	0.0712	0.178	0.12	0.088	0.172
PCB038	ug/kg-Wet	6	5	83.3	0.0013 J	0.0593	0.0158	0.0064	0.0082	0.0013 J	0.0593	0.0134	0.00375	0.0082

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Table C1-16. Summary Statistics - Carp.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB039	ug/kg-Wet	6	6	100	0.0119	0.0659	0.0277	0.0178	0.0307	0.0119	0.0659	0.0277	0.0178	0.0307
PCB040 & 041 & 071	ug/kg-Wet	6	6	100	1.57 J	25 J	6.01	2.15 J	3.15 J	1.57 J	25 J	6.01	2.15 J	3.15 J
PCB042	ug/kg-Wet	6	6	100	0.945	5.22	1.87	1.21	1.53	0.945	5.22	1.87	1.21	1.53
PCB043	ug/kg-Wet	6	6	100	0.135	1.14	0.389	0.221	0.422	0.135	1.14	0.389	0.221	0.422
PCB044 & 047 & 065	ug/kg-Wet	6	6	100	5.22 J	195 J	40.7	8.98 J	17 J	5.22 J	195 J	40.7	8.98 J	17 J
PCB045 & 051	ug/kg-Wet	6	6	100	0.558 J	36.5 J	7.3	1.2 J	2.97 J	0.558 J	36.5 J	7.3	1.2 J	2.97 J
PCB046	ug/kg-Wet	6	6	100	0.0762	2.57	0.546	0.125	0.239	0.0762	2.57	0.546	0.125	0.239
PCB048	ug/kg-Wet	6	6	100	0.52	2.5	1.01	0.633	1.06	0.52	2.5	1.01	0.633	1.06
PCB049 & 069	ug/kg-Wet	6	6	100	3.87 J	93.6 J	21.3	6.43 J	10.6 J	3.87 J	93.6 J	21.3	6.43 J	10.6 J
PCB050 & 053	ug/kg-Wet	6	6	100	0.559 J	104 J	19	1.6 J	5.16 J	0.559 J	104 J	19	1.6 J	5.16 J
PCB052	ug/kg-Wet	6	6	100	6.21	150	34	11	17.5	6.21	150	34	11	17.5
PCB054	ug/kg-Wet	6	6	100	0.0676	27.2	4.77	0.181	0.888	0.0676	27.2	4.77	0.181	0.888
PCB055	ug/kg-Wet	6	0	0						0.00457 U	0.011 U	0.00318	0.00243 U	0.004135 U
PCB056	ug/kg-Wet	6	6	100	1.16	2.75	1.84	1.51	2.22	1.16	2.75	1.84	1.51	2.22
PCB057	ug/kg-Wet	6	6	100	0.0215	0.276	0.0741	0.0381	0.0413	0.0215	0.276	0.0741	0.0381	0.0413
PCB058	ug/kg-Wet	6	4	66.7	0.0167	0.0325 J	0.0265	0.0258	0.0308	0.00568 U	0.0325 J	0.019	0.0167	0.0308
PCB059 & 062 & 075	ug/kg-Wet	6	6	100	0.421 J	4.84 J	1.28	0.601 J	0.745 J	0.421 J	4.84 J	1.28	0.601 J	0.745 J
PCB060	ug/kg-Wet	6	6	100	0.851	2.37	1.42	1.14	1.7	0.851	2.37	1.42	1.14	1.7
PCB061 & 070 & 074 & 076	ug/kg-Wet	6	6	100	6.75 J	25 J	12.7	9.86 J	14.9 J	6.75 J	25 J	12.7	9.86 J	14.9 J
PCB063	ug/kg-Wet	6	6	100	0.239	0.707	0.404	0.31	0.502	0.239	0.707	0.404	0.31	0.502
PCB064	ug/kg-Wet	6	6	100	1.63	6.5	2.99	2.17	2.83	1.63	6.5	2.99	2.17	2.83
PCB066	ug/kg-Wet	6	6	100	4.7	16.5	8.26	6.28	9.23	4.7	16.5	8.26	6.28	9.23
PCB067	ug/kg-Wet	6	6	100	0.106	0.9	0.276	0.14 J	0.226	0.106	0.9	0.276	0.14 J	0.226
PCB068	ug/kg-Wet	6	6	100	0.0803	1.15	0.311	0.143	0.252	0.0803	1.15	0.311	0.143	0.252
PCB072	ug/kg-Wet	6	6	100	0.115	0.985	0.289	0.132	0.212	0.115	0.985	0.289	0.132	0.212
PCB073	ug/kg-Wet	6	2	33.3	0.363	5.32	2.84	0.363	0.363	0.00061 U	5.32	0.949	0.00319 U	0.363
PCB077	ug/kg-Wet	6	6	100	0.17	0.311	0.247	0.198	0.309	0.17	0.311	0.247	0.198	0.309
PCB078	ug/kg-Wet	6	0	0						0.00392 U	0.0113 U	0.00294	0.00209 U	0.00354 U
PCB079	ug/kg-Wet	6	6	100	0.114	0.726	0.277	0.213	0.222	0.114	0.726	0.277	0.213	0.222
PCB080	ug/kg-Wet	6	0	0						0.00431 U	0.0104 U	0.00357	0.00306 U	0.00505 U
PCB081	ug/kg-Wet	6	6	100	0.0101	0.0221	0.0163	0.0125	0.021	0.0101	0.0221	0.0163	0.0125	0.021
PCB082	ug/kg-Wet	6	6	100	0.752	3.69	1.49	0.94	1.56	0.752	3.69	1.49	0.94	1.56
PCB083 & 099	ug/kg-Wet	6	6	100	10.8 J	60 J	22	13.4 J	18.9 J	10.8 J	60 J	22	13.4 J	18.9 J
PCB084	ug/kg-Wet	6	6	100	1.43	17.4	4.81	2.32	3.01	1.43	17.4	4.81	2.32	3.01
PCB085 & 116 & 117	ug/kg-Wet	6	6	100	2.21 J	9.32 J	3.94	2.62 J	4.27 J	2.21 J	9.32 J	3.94	2.62 J	4.27 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	6	6	100	7.38 J	65.7 J	19.7	10.3 J	13.6 J	7.38 J	65.7 J	19.7	10.3 J	13.6 J
PCB088 & 091	ug/kg-Wet	6	6	100	1.69 J	39.1 J	9.32	3.15 J	5.54 J	1.69 J	39.1 J	9.32	3.15 J	5.54 J
PCB089	ug/kg-Wet	6	6	100	0.0547 J	0.423	0.129	0.0575	0.109	0.0547 J	0.423	0.129	0.0575	0.109
PCB090 & 101 & 113	ug/kg-Wet	6	6	100	16.8 J	244 J	63.3	24.7 J	47.3 J	16.8 J	244 J	63.3	24.7 J	47.3 J
PCB092	ug/kg-Wet	6	6	100	3.08	36.6	10.3	4.78	8.18	3.08	36.6	10.3	4.78	8.18
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	6	6	100	7.55 J	209 J	47.9	13.7 J	30.1 J	7.55 J	209 J	47.9	13.7 J	30.1 J
PCB094	ug/kg-Wet	6	6	100	0.0737	8.64	1.67	0.197	0.746	0.0737	8.64	1.67	0.197	0.746
PCB096	ug/kg-Wet	6	6	100	0.0448	5	0.961	0.116	0.376	0.0448	5	0.961	0.116	0.376
PCB103	ug/kg-Wet	6	6	100	0.296	6.48	1.73	0.736	1.55	0.296	6.48	1.73	0.736	1.55
PCB104	ug/kg-Wet	6	6	100	0.0136	1.8	0.334	0.0391	0.0991	0.0136	1.8	0.334	0.0391	0.0991
PCB105	ug/kg-Wet	6	6	100	3.12	14.6	6.2	4.37	5.73	3.12	14.6	6.2	4.37	5.73
PCB106	ug/kg-Wet	6	1	16.7	0.106	0.106	0.106	0.106	0.106	0.00158 U	0.106	0.0221	0.004895 U	0.01125 U
PCB107 & 124	ug/kg-Wet	6	6	100	0.329 J	1.91 J	0.688	0.474 J	0.524 J	0.329 J	1.91 J	0.688	0.474 J	0.524 J
PCB109	ug/kg-Wet	6	6	100	1.11	4.21	1.85	1.34	1.69	1.11	4.21	1.85	1.34	1.69
PCB110 & 115	ug/kg-Wet	6	6	100	10.9 J	128 J	35.5	17.5 J	23.5 J	10.9 J	128 J	35.5	17.5 J	23.5 J
PCB111	ug/kg-Wet	6	6	100	0.0112	0.272	0.0802	0.0472	0.0702	0.0112	0.272	0.0802	0.0472	0.0702
PCB112	ug/kg-Wet	6	0	0						0.00225 U	0.0119 U	0.00347	0.003445 U	0.003505 U
PCB114	ug/kg-Wet	6	6	100	0.218	0.909	0.408	0.3	0.384	0.218	0.909	0.408	0.3	0.384
PCB118	ug/kg-Wet	6	6	100	11.4	74.9	25	16.7	17.5	11.4	74.9	25	16.7	17.5
PCB120	ug/kg-Wet	6	6	100	0.086	0.802	0.298	0.211	0.31	0.086	0.802	0.298	0.211	0.31
PCB121	ug/kg-Wet	6	6	100	0.0166	0.983	0.213	0.057	0.127	0.0166	0.983	0.213	0.057	0.127
PCB122	ug/kg-Wet	6	6	100	0.0732	0.352	0.147	0.0965	0.141	0.0732	0.352	0.147	0.0965	0.141
PCB123	ug/kg-Wet	6	6	100	0.178	0.762	0.34	0.246	0.323	0.178	0.762	0.34	0.246	0.323
PCB126	ug/kg-Wet	6	6	100	0.0268	0.112	0.0525	0.0409	0.0565	0.0268	0.112	0.0525	0.0409	0.0565
PCB127	ug/kg-Wet	6	6	100	0.0135	0.143	0.0476	0.031	0.0405	0.0135	0.143	0.0476	0.031	0.0405
PCB128 & 166	ug/kg-Wet	6	6	100	2.55 J	32.7 J	8.84	3.92 J	6.44 J	2.55 J	32.7 J	8.84	3.92 J	6.44 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	6	6	100	28.9 J	634 J	154	51.3 J	119 J	28.9 J	634 J	154	51.3 J	119 J
PCB130	ug/kg-Wet	6	6	100	1.4	19.9	5.3	2.33	4.15	1.4	19.9	5.3	2.33	4.15

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Table C1-16. Summary Statistics - Carp.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB131	ug/kg-Wet	6	6	100	0.17	3.8	0.88	0.267	0.573	0.17	3.8	0.88	0.267	0.573
PCB132	ug/kg-Wet	6	6	100	4.33	162	35.4	8.7	23.1	4.33	162	35.4	8.7	23.1
PCB133	ug/kg-Wet	6	6	100	0.53	12.3	3.08	1.21	2.27	0.53	12.3	3.08	1.21	2.27
PCB134 & 143	ug/kg-Wet	6	6	100	0.828 J	31.6 J	6.77	1.68 J	3.85 J	0.828 J	31.6 J	6.77	1.68 J	3.85 J
PCB135 & 151 & 154	ug/kg-Wet	6	6	100	8.3 J	287 J	65.1	17.3 J	48.7 J	8.3 J	287 J	65.1	17.3 J	48.7 J
PCB136	ug/kg-Wet	6	6	100	1.75	103	21.3	4.03	13.2	1.75	103	21.3	4.03	13.2
PCB137	ug/kg-Wet	6	6	100	0.933	3.97	1.56	0.99	1.31	0.933	3.97	1.56	0.99	1.31
PCB139 & 140	ug/kg-Wet	6	6	100	0.37 J	3.02 J	0.963	0.499 J	0.845 J	0.37 J	3.02 J	0.963	0.499 J	0.845 J
PCB141	ug/kg-Wet	6	6	100	4.08	180	39.1	8.12	29	4.08	180	39.1	8.12	29
PCB142	ug/kg-Wet	6	0	0						0.00178 U	0.131 U	0.0135	0.00304 U	0.00515 U
PCB144	ug/kg-Wet	6	6	100	1.03	44.2	9.47	1.97	6.4	1.03	44.2	9.47	1.97	6.4
PCB145	ug/kg-Wet	6	5	83.3	0.00363	0.0758 J	0.0206	0.00692	0.0115	0.00363	0.0758 J	0.0175	0.00502	0.0115
PCB146	ug/kg-Wet	6	6	100	5.44	108	28.8	12	25.2	5.44	108	28.8	12	25.2
PCB147 & 149	ug/kg-Wet	6	6	100	17.7 J	654 J	145	33.9 J	102 J	17.7 J	654 J	145	33.9 J	102 J
PCB148	ug/kg-Wet	6	6	100	0.0937	2.15	0.551	0.215	0.424	0.0937	2.15	0.551	0.215	0.424
PCB150	ug/kg-Wet	6	6	100	0.0626	3.6	0.762	0.157	0.435	0.0626	3.6	0.762	0.157	0.435
PCB152	ug/kg-Wet	6	6	100	0.0216	2.29	0.437	0.0427	0.174	0.0216	2.29	0.437	0.0427	0.174
PCB153 & 168	ug/kg-Wet	6	6	100	35.8 J	782 J	191	61.7 J	163 J	35.8 J	782 J	191	61.7 J	163 J
PCB155	ug/kg-Wet	6	6	100	0.00766	0.448	0.0882	0.0139	0.034	0.00766	0.448	0.0882	0.0139	0.034
PCB156	ug/kg-Wet	6	6	100	1.65	31.6	7.86	2.84	5.91	1.65	31.6	7.86	2.84	5.91
PCB157	ug/kg-Wet	6	6	100	0.272	2.18	0.682	0.395	0.503	0.272	2.18	0.682	0.395	0.503
PCB158	ug/kg-Wet	6	6	100	2.34	54.4	12.9	4.22	9.64	2.34	54.4	12.9	4.22	9.64
PCB159	ug/kg-Wet	6	6	100	0.159	11.7	2.48	0.329	1.81	0.159	11.7	2.48	0.329	1.81
PCB161	ug/kg-Wet	6	0	0						0.0012 U	0.132 U	0.0137	0.003345 U	0.0057 U
PCB162	ug/kg-Wet	6	6	100	0.0837	0.459	0.159	0.0967	0.127	0.0837	0.459	0.159	0.0967	0.127
PCB164	ug/kg-Wet	6	6	100	1.18	44.8	9.68	2.05	6.28	1.18	44.8	9.68	2.05	6.28
PCB165	ug/kg-Wet	6	6	100	0.0178	0.839	0.193	0.071	0.124	0.0178	0.839	0.193	0.071	0.124
PCB167	ug/kg-Wet	6	6	100	1.08	16	4.13	1.63	3.1	1.08	16	4.13	1.63	3.1
PCB169	ug/kg-Wet	6	6	100	0.00318	0.0153	0.00596	0.00425	0.00542	0.00318	0.0153	0.00596	0.00425	0.00542
PCB170	ug/kg-Wet	6	6	100	5.7	285	63.3	15.2	48.6	5.7	285	63.3	15.2	48.6
PCB171 & 173	ug/kg-Wet	6	6	100	1.78 J	90.9 J	20.1	4.78 J	15.2 J	1.78 J	90.9 J	20.1	4.78 J	15.2 J
PCB172	ug/kg-Wet	6	6	100	1.43	58.6	12.8	2.9	8.97	1.43	58.6	12.8	2.9	8.97
PCB174	ug/kg-Wet	6	6	100	3.86	292	61.7	10.5	45.7	3.86	292	61.7	10.5	45.7
PCB175	ug/kg-Wet	6	6	100	0.282	13.7	2.99	0.666	2.15	0.282	13.7	2.99	0.666	2.15
PCB176	ug/kg-Wet	6	6	100	0.718	35.1	7.67	1.66	6.05	0.718	35.1	7.67	1.66	6.05
PCB177	ug/kg-Wet	6	6	100	4.17	179	40	10.1	29.8	4.17	179	40	10.1	29.8
PCB178	ug/kg-Wet	6	6	100	1.98	61.3	14.1	3.92	10.8	1.98	61.3	14.1	3.92	10.8
PCB179	ug/kg-Wet	6	6	100	2.54	121	26	5.44	18.6	2.54	121	26	5.44	18.6
PCB180 & 193	ug/kg-Wet	6	6	100	19 J	723 J	163	41.3 J	122 J	19 J	723 J	163	41.3 J	122 J
PCB181	ug/kg-Wet	6	6	100	0.059	1.07	0.264	0.095	0.176	0.059	1.07	0.264	0.095	0.176
PCB182	ug/kg-Wet	6	6	100	0.0618	0.743	0.227	0.127	0.199	0.0618	0.743	0.227	0.127	0.199
PCB183 & 185	ug/kg-Wet	6	6	100	5.69 J	232 J	52.3	12.7 J	41.6	5.69 J	232 J	52.3	12.7 J	41.6
PCB184	ug/kg-Wet	6	4	66.7	0.0087 J	0.0694	0.0264	0.00887	0.0185	0.00712 U	0.0694	0.0192	0.0087 J	0.0185
PCB186	ug/kg-Wet	6	1	16.7	0.0259	0.0259	0.0259	0.0259	0.0259	0.000883 U	0.0259	0.00597	0.002035 U	0.003465 U
PCB187	ug/kg-Wet	6	6	100	15	378	91	30.8	70	15	378	91	30.8	70
PCB188	ug/kg-Wet	6	6	100	0.0243	1.14	0.236	0.0467	0.107	0.0243	1.14	0.236	0.0467	0.107
PCB189	ug/kg-Wet	6	6	100	0.237	9.01	2.06	0.612	1.62	0.237	9.01	2.06	0.612	1.62
PCB190	ug/kg-Wet	6	6	100	1.4	58.6	13.2	3.41	10.3	1.4	58.6	13.2	3.41	10.3
PCB191	ug/kg-Wet	6	6	100	0.27	15.4	3.28	0.684	2.08	0.27	15.4	3.28	0.684	2.08
PCB192	ug/kg-Wet	6	0	0						0.000955 U	0.00626 U	0.00181	0.00182 U	0.00185 U
PCB194	ug/kg-Wet	6	6	100	2.76	124	27.5	6.69	21.1	2.76	124	27.5	6.69	21.1
PCB195	ug/kg-Wet	6	6	100	1.03	59.9	12.8	2.99	8.9	1.03	59.9	12.8	2.99	8.9
PCB196	ug/kg-Wet	6	6	100	1.46	80.2	17.3	3.76	12.3	1.46	80.2	17.3	3.76	12.3
PCB197 & 200	ug/kg-Wet	6	6	100	0.428 J	21.6 J	4.66	1.03 J	3.35 J	0.428 J	21.6 J	4.66	1.03 J	3.35 J
PCB198 & 199	ug/kg-Wet	6	6	100	3.83 J	141 J	31.4	8.26 J	22.2 J	3.83 J	141 J	31.4	8.26 J	22.2 J
PCB201	ug/kg-Wet	6	6	100	0.41	16.5	3.65	0.854	2.64	0.41	16.5	3.65	0.854	2.64
PCB202	ug/kg-Wet	6	6	100	0.924	19.9	4.76	1.43	3.77	0.924	19.9	4.76	1.43	3.77
PCB203	ug/kg-Wet	6	6	100	2.53	87.2	19.7	5.12	14.6	2.53	87.2	19.7	5.12	14.6
PCB204	ug/kg-Wet	6	2	33.3	0.00349	0.0197	0.0116	0.00349	0.00349	0.00349	0.0197	0.00763	0.00486 U	0.00825 U
PCB205	ug/kg-Wet	6	6	100	0.154	6.45	1.43	0.344	1.1	0.154	6.45	1.43	0.344	1.1
PCB206	ug/kg-Wet	6	6	100	1.43	19.5	4.98	1.78	3.6	1.43	19.5	4.98	1.78	3.6
PCB207	ug/kg-Wet	6	6	100	0.177	2.86	0.706	0.238	0.533	0.177	2.86	0.706	0.238	0.533
PCB208	ug/kg-Wet	6	6	100	0.619	3.91	1.28	0.704	0.901	0.619	3.91	1.28	0.704	0.901

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Table C1-16. Summary Statistics - Carp.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB209	ug/kg-Wet	6	6	100	0.564	1.12	0.784	0.662	0.996	0.564	1.12	0.784	0.662	0.996
Total PCB Congeners	ug/kg-Wet	6	6	100	343 JT	8150 JT	1920	574 JT	1380 JT	343 JT	8150 JT	1920	574 JT	1380 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	6	6	100	0.528 JT	8.16 JT	2.1	0.832 JT	1.4 T	0.528 JT	8.16 JT	2.1	0.832 JT	1.4 T
Heptachlorobiphenyl homologs	ug/kg-Wet	6	6	100	64.2 JT	2560 JT	575	147 JT	434 JT	64.2 JT	2560 JT	575	147 JT	434 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	6	6	100	123 JT	3230 JT	755	227 JT	578 JT	123 JT	3230 JT	755	227 JT	578 JT
Monochlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.00782 JT	0.0546 JT	0.0195	0.0105 JT	0.0159 JT	0.00782 JT	0.0546 JT	0.0195	0.0105 JT	0.0159 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	6	6	100	2.37 T	26.3 T	6.96	2.72 T	4.96 T	2.37 T	26.3 T	6.96	2.72 T	4.96 T
Octachlorobiphenyl homologs	ug/kg-Wet	6	6	100	13.6 JT	557 JT	123	30.5 JT	90 JT	13.6 JT	557 JT	123	30.5 JT	90 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	6	6	100	80.6 JT	935 JT	259	122 JT	182 JT	80.6 JT	935 JT	259	122 JT	182 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	6	6	100	40.9 JT	711 JT	168	61.1 JT	83 JT	40.9 JT	711 JT	168	61.1 JT	83 JT
Trichlorobiphenyl homologs	ug/kg-Wet	6	6	100	6.06 JT	127 JT	30.7	10.9 JT	18.1 JT	6.06 JT	127 JT	30.7	10.9 JT	18.1 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	3	50	19 NJ	81.5 JT	40.4	20.8 JT	20.8 JT	8.6 UT	81.5 JT	22.4	4.3 UT	20.8 JT
2,4'-DDE	ug/kg-Wet	6	0	0						1 U	7.5 UT	2.17	2 UJT	3.75 UT
2,4'-DDT	ug/kg-Wet	6	1	16.7	23 NJ	23 NJ	23	23 NJ	23 NJ	6.9 UT	23 NJ	6.71	3.45 UT	3.45 UT
4,4'-DDD	ug/kg-Wet	6	6	100	22.6 JT	89.5 JT	46.4	38 JT	57.5 JT	22.6 JT	89.5 JT	46.4	38 JT	57.5 JT
4,4'-DDE	ug/kg-Wet	6	6	100	81 J	260 JT	135	105 JT	145 T	81 J	260 JT	135	105 JT	145 T
4,4'-DDT	ug/kg-Wet	6	1	16.7	24 J	24 J	24	24 J	24 J	6.3 UT	24 J	6.63	3.15 UT	3.15 UT
Aldrin	ug/kg-Wet	6	0	0						1 U	13 UT	2.74	2 UT	4.95 UT
alpha-Endosulfan	ug/kg-Wet	6	1	16.7	3.6 NJ	3.6 NJ	3.6	3.6 NJ	3.6 NJ	1 U	20 UJ	3.12	2 U	3.6 NJ
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	6.4 UT	1.9	2 UT	3.2 UT
beta-Endosulfan	ug/kg-Wet	6	0	0						1 UJ	15 UT	5.13	4.95 UT	7.5 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1.5 UJ	8.5 UT	2.63	2 UT	4.25 UT
cis-Chlordane	ug/kg-Wet	6	3	50	2.8 NJ	8.3 N	4.77	3.2 NJ	3.2 NJ	2.8 NJ	20 U	5.21	3.2 NJ	8.3 N
cis-Nonachlor	ug/kg-Wet	6	0	0						7.1 UT	17 U	4.38	3.55 UT	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	7.3 UT	2.05	2 UT	3.65 UT
Dieldrin	ug/kg-Wet	6	0	0						1 UJ	14 UT	3.36	2.6 UT	4.95 UT
Endosulfan sulfate	ug/kg-Wet	6	0	0						1 UJ	12 UT	2.66	2 UT	4.95 UT
Endrin aldehyde	ug/kg-Wet	6	0	0						1.8 UJT	8.5 UT	2.4	2 UT	4.25 UT
Endrin ketone	ug/kg-Wet	6	0	0						1 UJ	7.5 UT	2.08	2 UT	3.75 UT
Endrin	ug/kg-Wet	6	0	0						1 UJ	20 UT	3.33	2 UT	4.95 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	9.6 UT	2.96	2 UT	4.8 UT
Heptachlor epoxide	ug/kg-Wet	6	0	0						1 U	8 UT	2.17	2 UT	4 UT
Heptachlor	ug/kg-Wet	6	0	0						1 UT	13 UT	2.75	2 UT	4.95 UT
Methoxychlor	ug/kg-Wet	6	1	16.7	4.2 N	4.2 N	4.2	4.2 N	4.2 N	4 UT	4.8 UT	2.63	2.4 UT	2.4 UT
Mirex	ug/kg-Wet	6	0	0						1 UJ	6.2 UT	1.87	2 UT	3.1 UT
Oxychlordane	ug/kg-Wet	6	1	16.7	1.1 NJ	1.1 NJ	1.1	1.1 NJ	1.1 NJ	1 UT	20 UT	3.43	2 UT	4.95 UT
Total Chlordanes	ug/kg-Wet	6	3	50	3.2 JT	13.9 JT	8.47	8.3 T	8.3 T	3.2 JT	20 UT	7.32	4.95 UT	10 UT
Total Endosulfan	ug/kg-Wet	6	1	16.7	3.6 JT	3.6 JT	3.6	3.6 JT	3.6 JT	1.2 UT	20 UJT	5.34	4.85 UJT	7.5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	143 JT	431 JT	210	168 JT	188 JT	143 JT	431 JT	210	168 JT	188 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	6	100	22.6 JT	171 JT	66.7	46 JT	64.8 JT	22.6 JT	171 JT	66.7	46 JT	64.8 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	81 JT	260 JT	135	105 JT	145 T	81 JT	260 JT	135	105 JT	145 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	1	16.7	47 JT	47 JT	47	47 JT	47 JT	6.9 UT	47 JT	10.7	3.45 UT	3.45 UT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	132 JT	350 JT	186	143 JT	188 JT	132 JT	350 JT	186	143 JT	188 JT
Toxaphene	ug/kg-Wet	6	0	0						420 UJ	6900 U	1020	350 UJ	1250 U
trans-Chlordane	ug/kg-Wet	6	0	0						1 UJ	8.4 UT	2.6	2 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	6	1	16.7	10 NJ	10 NJ	10	10 NJ	10 NJ	4.8 UT	11 UT	5.64	5.5 UT	5.5 UT
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						3100 U	3300 U	1610	1600 U	1650 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						3100 U	3300 U	1610	1600 U	1650 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						1600 U	1600 U	800	800 U	800 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	6	0	0						940 U	990 U	483	480 U	490 U
2,4-Dinitrophenol	ug/kg-Wet	6	0	0						6200 U	6600 U	3220	3200 U	3250 U
2-Chlorophenol	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
2-Nitrophenol	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						6200 U	6600 U	3220	3200 U	3250 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 U
4-Methylphenol	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	6	0	0						3100 U	3300 U	1610	1600 U	1650 U

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Table C1-16. Summary Statistics - Carp.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Pentachlorophenol	ug/kg-Wet	6	0	0						160 UT	160 UT	80	80 UT	80 UT
Phenol	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	6	0	0						94 UT	99 UT	48.3	48 UT	49 UT
Butylbenzyl phthalate	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 U
Dibutyl phthalate	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 U
Diethyl phthalate	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
Dimethyl phthalate	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
Di-n-octyl phthalate	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						31 U	33 U	16.1	16 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						1600 U	1600 U	800	800 U	800 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						3100 U	3300 U	1610	1600 U	1650 U
3-Nitroaniline	ug/kg-Wet	6	0	0						1600 U	1600 U	800	800 U	800 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						160 UT	160 UT	80	80 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						78 UT	82 UT	40.2	40 UT	40.5 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						1600 U	1600 U	800	800 U	800 U
Aniline	ug/kg-Wet	5	0	0						1600 U	1700 U	830	850 U	850 U
Azobenzene	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
Benzoic acid	ug/kg-Wet	6	0	0						8200 U	8300 U	4130	4150 U	4150 U
Benzyl alcohol	ug/kg-Wet	6	0	0						620 U	660 U	322	320 U	325 UT
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
Hexachlorobenzene	ug/kg-Wet	6	0	0						4 UT	32 UT	5.13	3.2 UT	3.2 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						1 UJT	4.6 UT	1.95	2.3 UT	2.3 UT
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						1600 U	1600 U	800	800 U	800 U
Hexachloroethane	ug/kg-Wet	6	0	0						2 UJT	13 UT	5.33	6.5 UT	6.5 UT
Isophorone	ug/kg-Wet	6	0	0						1600 U	1700 U	833	850 U	850 U
Nitrobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.1	16 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						160 UJT	160 UJT	80	80 UJT	80 UJT
N-Nitrosodiphenylamine	ug/kg-Wet	6	0	0						310 U	330 U	161	160 U	165 U
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						31 UJT	33 UJT	16.1	16 UJT	16.5 UJT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of tl

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-17. Summary Statistics - Juvenile Chinook.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	15	0	0						0.00044 U	1.9 U	0.38	0.0004995 U	0.95 U
Aroclor 1221	ug/kg-Wet	15	0	0						0.000173 U	1.9 U	0.38	0.00017 U	0.95 U
Aroclor 1232	ug/kg-Wet	15	0	0						0.000187 U	1.9 U	0.38	0.000147 U	0.95 U
Aroclor 1242	ug/kg-Wet	15	9	60	4.67 NJ	13.1 NJ	7.84	7.42 NJ	10.3 NJ	1.9 UJ	13.1 NJ	5.08	4.95 NJ	10.3 NJ
Aroclor 1248	ug/kg-Wet	15	6	40	13 J	72 J	34.2	30	39	0.00628 U	72 J	13.7	0.0087 U	39
Aroclor 1254	ug/kg-Wet	15	9	60	24 NJ	64 NJ	40	38 NJ	47.1 NJ	23 UJ	78 UJ	32.4	35.7 NJ	47.1 NJ
Aroclor 1260	ug/kg-Wet	15	15	100	17 J	263 NJ	70.3	44.5 NJ	198 NJ	17 J	263 NJ	70.3	44.5 NJ	198 NJ
Aroclor 1262	ug/kg-Wet	6	0	0						1.9 UJ	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	6	0	0						1.9 UJ	1.9 U	0.95	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	15	15	100	30 JT	309 JT	113	92.8 JT	253 JT	30 JT	309 JT	113	92.8 JT	253 JT
Butyltins														
Butyltin ion	ug/kg-Wet	8	3	37.5	2.6 J	5.4 J	4.2	4.6	4.6	0.98 U	5.4 J	1.96	0.75 U	4.6
Dibutyltin ion	ug/kg-Wet	8	0	0						0.77 U	2.3 U	0.653	0.445 U	1 U
Tetrabutyltin	ug/kg-Wet	8	0	0						0.15 U	0.38 U	0.108	0.08 U	0.145 U
Tributyltin ion	ug/kg-Wet	8	8	100	1.3 J	4.1	2.51	2 J	4.1 J	1.3 J	4.1	2.51	2 J	4.1 J
Conventionals														
Lipids	percent-Wet	15	15	100	1.5	3.6	2.15	1.8	3.3	1.5	3.6	2.15	1.8	3.3
Total solids	percent-Wet	15	15	100	18	22.4	20.3	19.7	22.2	18	22.4	20.3	19.7	22.2
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.521	2.61	1.47	1.44	2.07	0.521	2.61	1.47	1.44	2.07
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	3.23	12.4	8.14	8.42	10.2	3.23	12.4	8.14	8.42	10.2
Hexachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.893	2.05	1.46	1.47	1.85	0.893	2.05	1.46	1.47	1.85
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	1.8	8.02	3.73	3.14	4.57	1.8	8.02	3.73	3.14	4.57
Octachlorodibenzofuran	pg/g-Wet	9	9	100	0.432 J	2.03 J	1.13	1 J	1.63 J	0.432 J	2.03 J	1.13	1 J	1.63 J
Octachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	5.24	20.8	14.2	15.7	19.4	5.24	20.8	14.2	15.7	19.4
Pentachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.805	4.27	1.95	1.39	3.35	0.805	4.27	1.95	1.39	3.35
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	0.619	2.29	0.982	0.817	1.12	0.619	2.29	0.982	0.817	1.12
Tetrachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.333	4.5	1.72	0.517	4.46	0.333	4.5	1.72	0.517	4.46
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	7	77.8	0.252	0.876	0.425	0.371	0.512	0.0577 U	0.876	0.337	0.276	0.512
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	9	9	100	0.288 J	1.14 J	0.664	0.652 J	0.759 J	0.288 J	1.14 J	0.664	0.652 J	0.759 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	2.39	11.2	6.02	6.1	7.38	2.39	11.2	6.02	6.1	7.38
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	9	4	44.4	0.063 J	0.084 J	0.0735	0.07 J	0.077 J	0.0565 U	0.084 J	0.0497	0.0375 U	0.077 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	9	100	0.122 J	0.946 J	0.34	0.215 J	0.625 J	0.122 J	0.946 J	0.34	0.215 J	0.625 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	7	77.8	0.249 J	0.429 J	0.337	0.34 J	0.393 J	0.19 U	0.429 J	0.288	0.306 J	0.393 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	9	100	0.086 J	0.346 J	0.156	0.124 J	0.19 J	0.086 J	0.346 J	0.156	0.124 J	0.19 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	1.09 J	6.91	2.21	1.58	2.69	1.09 J	6.91	2.21	1.58	2.69
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	9	0	0						0.0535 U	0.0597 U	0.0285	0.02825 U	0.0298 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.265 J	0.759 J	0.473	0.451 J	0.512 J	0.265 J	0.759 J	0.473	0.451 J	0.512 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	9	8	88.9	0.077 J	2.03	0.704	0.143 J	1.6	0.077 J	2.03	0.633	0.143 J	1.6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.569 J	2.29	0.931	0.763 J	1.06 J	0.569 J	2.29	0.931	0.763 J	1.06 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	8	88.9	0.112 J	0.218 J	0.157	0.135 J	0.211 J	0.101 U	0.218 J	0.145	0.135 J	0.211 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	9	9	100	0.253 J	1.85	0.723	0.369 J	1.35	0.253 J	1.85	0.723	0.369 J	1.35
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	9	9	100	0.312	4.86	1.8	0.541	4.74	0.312	4.86	1.8	0.541	4.74
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	9	7	77.8	0.252	0.876	0.417	0.371	0.457	0.252	0.876	0.361	0.276	0.457
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	9	9	100	1.27 JT	4.63 JT	2.26	1.81 JT	3.61 JT	1.27 JT	4.63 JT	2.26	1.81 JT	3.61 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	9	9	100	1.82 JT	4.54 JT	2.8	2.54 JT	3.37 JT	1.82 JT	4.54 JT	2.8	2.54 JT	3.37 JT
Total PCDD/F	pg/g-Wet	9	9	100	21.3 JT	42.4 JT	35.1	36.1 JT	41.3 JT	21.3 JT	42.4 JT	35.1	36.1 JT	41.3 JT
Total TCDD toxicity equivalent	pg/g-Wet	9	9	100	3.29 JT	7.17 JT	5.05	5.01 JT	7.02 JT	3.29 JT	7.17 JT	5.05	5.01 JT	7.02 JT
Metals														
Aluminum	mg/kg-Wet	15	15	100	3.1752	19.6	8.44	6.27 J	16.2	3.1752	19.6	8.44	6.27 J	16.2
Antimony	mg/kg-Wet	15	0	0						0.001 U	0.00429 U	0.000866	0.00078 U	0.00156 U
Arsenic	mg/kg-Wet	15	15	100	0.04646	0.25	0.11	0.0663	0.2	0.04646	0.25	0.11	0.0663	0.2
Cadmium	mg/kg-Wet	15	15	100	0.009653	0.027	0.0145	0.01248	0.024	0.009653	0.027	0.0145	0.01248	0.024
Chromium	mg/kg-Wet	15	3	20	0.09 J	0.19	0.13	0.11	0.11	0.054 UT	0.19	0.0501	0.02955 U	0.11
Copper	mg/kg-Wet	15	15	100	0.75548	2.15	1.13	1.07151	1.84	0.75548	2.15	1.13	1.07151	1.84
Lead	mg/kg-Wet	15	3	20	0.01 J	0.015 J	0.013	0.014 J	0.014 J	0.006 UJ	0.0741 U	0.0141	0.01309 U	0.02813 U
Manganese	mg/kg-Wet	6	6	100	1.4	1.81	1.62	1.51	1.81	1.4	1.81	1.62	1.51	1.81
Mercury	mg/kg-Wet	15	15	100	0.01014 J	0.02	0.0139	0.012411	0.019	0.01014 J	0.02	0.0139	0.012411	0.019
Nickel	mg/kg-Wet	15	15	100	0.202	0.492 J	0.294	0.28275	0.439 J	0.202	0.492 J	0.294	0.28275	0.439 J
Selenium	mg/kg-Wet	15	9	60	0.072 JT	0.273	0.16	0.1496	0.2328	0.072 JT	0.4 U	0.159	0.15 U	0.2328
Silver	mg/kg-Wet	15	0	0						0.0012 U	0.002992 U	0.00104	0.00105 U	0.0014625 U
Thallium	mg/kg-Wet	6	6	100	0.005	0.0105	0.0068	0.0057	0.0084	0.005	0.0105	0.0068	0.0057	0.0084
Zinc	mg/kg-Wet	15	15	100	24.038	33.3	29.5	29.6	33.3	24.038	33.3	29.5	29.6	33.3
PAHs														
2-Methylnaphthalene	ug/kg-Wet	15	9	60	4.3	6.9	5.34	5.5	6.9	4.3	33 UT	9.67	6.9	16.5 UT
Acenaphthene	ug/kg-Wet	15	9	60	0.63	1	0.776	0.77	0.93	0.63	41 UT	7.47	0.93	19 UT
Acenaphthylene	ug/kg-Wet	15	9	60	0.22 J	0.47 J	0.339	0.33 J	0.4 J	0.22 J	33 UT	6.67	0.4 J	16.5 UT
Anthracene	ug/kg-Wet	15	9	60	0.24 J	0.45 J	0.326	0.33 J	0.39 J	0.24 J	33 UT	6.66	0.39 J	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	15	2	13.3	0.2 J	0.21 J	0.205	0.2 J	0.2 J	0.13 U	33 UT	6.52	0.2 J	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	15	0	0						0.13 U	33 UT	6.51	0.065 U	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	15	6	40	0.16 J	0.32 J	0.232	0.21 J	0.26 J	0.16 U	33 UT	6.58	0.26 J	16.5 UT

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Table C1-17. Summary Statistics - Juvenile Chinook.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(g,h,i)perylene	ug/kg-Wet	15	0	0						0.18 U	33 UT	6.52	0.09 U	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	15	5	33.3	0.15 J	0.33 J	0.204	0.18 J	0.2 J	0.14 U	33 UT	6.55	0.2 J	16.5 UT
Chrysene	ug/kg-Wet	15	3	20	0.28 J	0.94	0.523	0.35 J	0.35 J	0.2 U	33 UT	6.61	0.35 J	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	15	3	20	0.15 J	0.2 J	0.18	0.19 J	0.19 J	0.12 U	33 UT	6.53	0.19 J	16.5 UT
Fluoranthene	ug/kg-Wet	15	8	53.3	0.46 J	1.5	0.903	0.93	1.1	0.37 U	33 UT	6.96	1.1	16.5 UT
Fluorene	ug/kg-Wet	15	9	60	0.52	0.75	0.623	0.64	0.74	0.52	33 UT	6.84	0.74	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	15	8	53.3	0.93 JT	3.8 JT	2.03	1.58 JT	2.94 JT	0.37 UT	33 UT	7.56	2.94 JT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	15	0	0						0.17 U	33 UT	6.52	0.085 U	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	15	10	66.7	8.38 JT	33 T	14.6	11.5 JT	16.9 JT	8.38 JT	41 UT	15.7	16 UT	20.5 UT
Naphthalene	ug/kg-Wet	15	8	53.3	3.8	33 T	8.41	5	6.8	2.9 U	33 UT	10.1	5.8	16.5 UT
Phenanthrene	ug/kg-Wet	15	9	60	0.88	1.9	1.36	1.4	1.8	0.88	33 UT	7.29	1.8	16.5 UT
Pyrene	ug/kg-Wet	15	8	53.3	0.31 J	0.77	0.508	0.41 J	0.74	0.29 U	33 UT	6.75	0.74	16.5 UT
Total PAHs	ug/kg-Wet	15	10	66.7	9.96 JT	33 T	16.2	14.2 JT	17.9 JT	9.96 JT	41 UT	16.7	16 UT	20.5 UT
PCB_Congeners														
PCB001	ug/kg-Wet	9	9	100	0.00409	0.0262	0.0119	0.00651	0.0241	0.00409	0.0262	0.0119	0.00651	0.0241
PCB002	ug/kg-Wet	9	8	88.9	0.000602	0.00126	0.000848	0.000662	0.00122	0.000556 U	0.00126	0.000785	0.000662	0.00122
PCB003	ug/kg-Wet	9	9	100	0.00151	0.00517	0.00287	0.00204	0.00474	0.00151	0.00517	0.00287	0.00204	0.00474
PCB004	ug/kg-Wet	9	9	100	0.0492	0.238	0.108	0.0553	0.214	0.0492	0.238	0.108	0.0553	0.214
PCB005	ug/kg-Wet	9	9	100	0.00147	0.00643	0.00352	0.00316	0.00599	0.00147	0.00643	0.00352	0.00316	0.00599
PCB006	ug/kg-Wet	9	9	100	0.0167	0.101	0.0449	0.0314	0.0873	0.0167	0.101	0.0449	0.0314	0.0873
PCB007	ug/kg-Wet	9	9	100	0.00316	0.0117	0.00677	0.0062	0.0104	0.00316	0.0117	0.00677	0.0062	0.0104
PCB008	ug/kg-Wet	9	9	100	0.0895	0.346	0.189	0.157	0.341	0.0895	0.346	0.189	0.157	0.341
PCB009	ug/kg-Wet	9	9	100	0.00559	0.0211	0.0119	0.0102	0.0196	0.00559	0.0211	0.0119	0.0102	0.0196
PCB010	ug/kg-Wet	9	9	100	0.00195	0.00639	0.0035	0.00253	0.00564	0.00195	0.00639	0.0035	0.00253	0.00564
PCB011	ug/kg-Wet	9	9	100	0.00502	0.00925	0.00737	0.00846	0.00894	0.00502	0.00925	0.00737	0.00846	0.00894
PCB012 & 013	ug/kg-Wet	9	9	100	0.00118	0.00405	0.0024	0.00228	0.00371	0.00118	0.00405	0.0024	0.00228	0.00371
PCB014	ug/kg-Wet	9	0	0						0.000553 U	0.000617 U	0.000295	0.000292 U	0.000308 U
PCB015	ug/kg-Wet	9	9	100	0.0115	0.0328	0.0201	0.0167	0.0313	0.0115	0.0328	0.0201	0.0167	0.0313
PCB016	ug/kg-Wet	9	9	100	0.0621	0.148	0.108	0.127	0.136	0.0621	0.148	0.108	0.127	0.136
PCB017	ug/kg-Wet	9	9	100	0.108	0.38	0.228	0.229	0.319	0.108	0.38	0.228	0.229	0.319
PCB018 & 030	ug/kg-Wet	9	9	100	0.158	0.454	0.312	0.348	0.424	0.158	0.454	0.312	0.348	0.424
PCB019	ug/kg-Wet	9	9	100	0.0454	0.208	0.0901	0.0617	0.158	0.0454	0.208	0.0901	0.0617	0.158
PCB020 & 028	ug/kg-Wet	9	9	100	0.82	2.47	1.36	1.11	1.95	0.82	2.47	1.36	1.11	1.95
PCB021 & 033	ug/kg-Wet	9	9	100	0.209	0.535	0.325	0.3	0.44	0.209	0.535	0.325	0.3	0.44
PCB022	ug/kg-Wet	9	9	100	0.128	0.315	0.204	0.195	0.284	0.128	0.315	0.204	0.195	0.284
PCB023	ug/kg-Wet	9	8	88.9	0.000432 J	0.00153	0.000833	0.000558	0.00126	0.000432 J	0.00153	0.000784	0.000558	0.00126
PCB024	ug/kg-Wet	9	9	100	0.00278	0.00925	0.00584	0.00611	0.00858	0.00278	0.00925	0.00584	0.00611	0.00858
PCB025	ug/kg-Wet	9	9	100	0.0357	0.0996	0.0626	0.0644	0.0787	0.0357	0.0996	0.0626	0.0644	0.0787
PCB026 & 029	ug/kg-Wet	9	9	100	0.0927	0.27	0.164	0.16	0.208	0.0927	0.27	0.164	0.16	0.208
PCB027	ug/kg-Wet	9	9	100	0.0155	0.0517	0.0349	0.037	0.0508	0.0155	0.0517	0.0349	0.037	0.0508
PCB031	ug/kg-Wet	9	9	100	0.487	1.26	0.746	0.652	0.946	0.487	1.26	0.746	0.652	0.946
PCB032	ug/kg-Wet	9	9	100	0.0787	0.312	0.193	0.233	0.273	0.0787	0.312	0.193	0.233	0.273
PCB034	ug/kg-Wet	9	9	100	0.00171	0.00535	0.00307	0.00253	0.00443	0.00171	0.00535	0.00307	0.00253	0.00443
PCB035	ug/kg-Wet	9	0	0						0.000667 U	0.000744 U	0.000355	0.000352 U	0.0003715 U
PCB036	ug/kg-Wet	9	0	0						0.00052 U	0.00058 U	0.000277	0.000275 U	0.00029 U
PCB037	ug/kg-Wet	9	9	100	0.041	0.0928	0.0575	0.0569	0.066	0.041	0.0928	0.0575	0.0569	0.066
PCB038	ug/kg-Wet	9	6	66.7	0.000623	0.00327	0.00204	0.00229	0.00243	0.000623	0.00327	0.00159	0.00125	0.00243
PCB039	ug/kg-Wet	9	9	100	0.00311	0.016	0.00795	0.00553	0.012	0.00311	0.016	0.00795	0.00553	0.012
PCB040 & 041 & 071	ug/kg-Wet	9	9	100	0.386	1.41	0.776	0.72	1.24	0.386	1.41	0.776	0.72	1.24
PCB042	ug/kg-Wet	9	9	100	0.143	0.61	0.322	0.273	0.567	0.143	0.61	0.322	0.273	0.567
PCB043	ug/kg-Wet	9	9	100	0.0179	0.0951	0.0442	0.0309	0.0652	0.0179	0.0951	0.0442	0.0309	0.0652
PCB044 & 047 & 065	ug/kg-Wet	9	9	100	1.08	3.66	2.42	2.48	3.17	1.08	3.66	2.42	2.48	3.17
PCB045 & 051	ug/kg-Wet	9	9	100	0.0914	0.789	0.349	0.293	0.562	0.0914	0.789	0.349	0.293	0.562
PCB046	ug/kg-Wet	9	9	100	0.0123	0.0603	0.0333	0.0319	0.0593	0.0123	0.0603	0.0333	0.0319	0.0593
PCB048	ug/kg-Wet	9	9	100	0.103	0.547	0.262	0.175	0.439	0.103	0.547	0.262	0.175	0.439
PCB049 & 069	ug/kg-Wet	9	9	100	0.651	2.23	1.46	1.46	2.05	0.651	2.23	1.46	1.46	2.05
PCB050 & 053	ug/kg-Wet	9	9	100	0.0682	0.512	0.243	0.221	0.389	0.0682	0.512	0.243	0.221	0.389
PCB052	ug/kg-Wet	9	9	100	1.09	3.67	2.18	2.27	2.99	1.09	3.67	2.18	2.27	2.99
PCB054	ug/kg-Wet	9	9	100	0.00581	0.0816	0.0249	0.0085	0.0574	0.00581	0.0816	0.0249	0.0085	0.0574
PCB055	ug/kg-Wet	9	9	100	0.0189	0.0508	0.0295	0.0297	0.0354	0.0189	0.0508	0.0295	0.0297	0.0354
PCB056	ug/kg-Wet	9	9	100	0.0688	0.265	0.164	0.206	0.233	0.0688	0.265	0.164	0.206	0.233
PCB057	ug/kg-Wet	9	9	100	0.00382	0.0174	0.00955	0.0101	0.0148	0.00382	0.0174	0.00955	0.0101	0.0148
PCB058	ug/kg-Wet	9	6	66.7	0.00282	0.00811	0.0054	0.0054	0.00547	0.00125 U	0.00811	0.00382	0.00522	0.00547
PCB059 & 062 & 075	ug/kg-Wet	9	9	100	0.0825	0.298	0.16	0.141	0.241	0.0825	0.298	0.16	0.141	0.241
PCB060	ug/kg-Wet	9	9	100	0.184	0.978	0.51	0.348	0.927	0.184	0.978	0.51	0.348	0.927
PCB061 & 070 & 074 & 076	ug/kg-Wet	9	9	100	1.44	5.1	2.9	2.61	4.23	1.44	5.1	2.9	2.61	4.23
PCB063	ug/kg-Wet	9	9	100	0.0435	0.167	0.0942	0.0753	0.148	0.0435	0.167	0.0942	0.0753	0.148
PCB064	ug/kg-Wet	9	9	100	0.286	1.45	0.744	0.541	1.25	0.286	1.45	0.744	0.541	1.25
PCB066	ug/kg-Wet	9	9	100	0.974	3.82	2.14	1.87	3.46	0.974	3.82	2.14	1.87	3.46
PCB067	ug/kg-Wet	9	9	100	0.0255	0.0663	0.042	0.042	0.05	0.0255	0.0663	0.042	0.042	0.05
PCB068	ug/kg-Wet	9	8	88.9	0.0105	0.0417	0.0209	0.0144	0.035	0.00171 U	0.0417	0.0187	0.0144	0.035
PCB072	ug/kg-Wet	9	9	100	0.0137	0.0348	0.0231	0.0221	0.0271	0.0137	0.0348	0.0231	0.0221	0.0271
PCB073	ug/kg-Wet	9	9	100	0.00433	0.0499	0.0191	0.0154	0.0346	0.00433	0.0499	0.0191	0.0154	0.0346
PCB077	ug/kg-Wet	9	9	100	0.0539	0.127	0.0912	0.0969	0.122	0.0539	0.127	0.0912	0.0969	0.122
PCB078	ug/kg-Wet	9	0	0						0.00111 U	0.00429 U	0.00115	0.001025 U	0.00155 U
PCB079	ug/kg-Wet	9	9	100	0.0216	0.0627	0.0381	0.0357	0.0488	0.0216	0.0627	0.0381	0.0357	0.0488

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Table C1-17. Summary Statistics - Juvenile Chinook.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB080	ug/kg-Wet	9	0	0						0.00161 U	0.00384 U	0.00111	0.00091 U	0.001375 U
PCB081	ug/kg-Wet	9	0	0						0.00518 U	0.0129 U	0.00479	0.00515 U	0.006 U
PCB082	ug/kg-Wet	9	9	100	0.138	0.365	0.266	0.3	0.349	0.138	0.365	0.266	0.3	0.349
PCB083 & 099	ug/kg-Wet	9	9	100	1.72	4.67	2.78	2.6	3.42	1.72	4.67	2.78	2.6	3.42
PCB084	ug/kg-Wet	9	9	100	0.168	0.474	0.339	0.375	0.412	0.168	0.474	0.339	0.375	0.412
PCB085 & 116 & 117	ug/kg-Wet	9	9	100	0.451	1.07	0.743	0.794	0.883	0.451	1.07	0.743	0.794	0.883
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	9	9	100	1.28	3.34	2.22	2.3	2.55	1.28	3.34	2.22	2.3	2.55
PCB088 & 091	ug/kg-Wet	9	9	100	0.22	1.14	0.569	0.468	0.938	0.22	1.14	0.569	0.468	0.938
PCB089	ug/kg-Wet	9	9	100	0.00889	0.0375	0.021	0.0189	0.0355	0.00889	0.0375	0.021	0.0189	0.0355
PCB090 & 101 & 113	ug/kg-Wet	9	9	100	2.93	8.06	5.17	4.17	7.68	2.93	8.06	5.17	4.17	7.68
PCB092	ug/kg-Wet	9	9	100	0.49	1.43	0.902	0.746	1.41	0.49	1.43	0.902	0.746	1.41
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	9	9	100	1.17	4.44	2.46	2.06	3.81	1.17	4.44	2.46	2.06	3.81
PCB094	ug/kg-Wet	9	9	100	0.0088	0.0482	0.0248	0.0133	0.0468	0.0088	0.0482	0.0248	0.0133	0.0468
PCB096	ug/kg-Wet	9	9	100	0.00461	0.0565	0.0212	0.0127	0.0378	0.00461	0.0565	0.0212	0.0127	0.0378
PCB103	ug/kg-Wet	9	9	100	0.0239	0.192	0.0809	0.0345	0.165	0.0239	0.192	0.0809	0.0345	0.165
PCB104	ug/kg-Wet	9	9	100	0.00097	0.0172	0.00576	0.00218	0.00973	0.00097	0.0172	0.00576	0.00218	0.00973
PCB105	ug/kg-Wet	9	9	100	0.78	1.93	1.46	1.59	1.86	0.78	1.93	1.46	1.59	1.86
PCB106	ug/kg-Wet	9	0	0						0.000552 U	0.00337 U	0.000952	0.00093 U	0.001395 U
PCB107 & 124	ug/kg-Wet	9	9	100	0.0784	0.186	0.125	0.122	0.142	0.0784	0.186	0.125	0.122	0.142
PCB109	ug/kg-Wet	9	9	100	0.201	0.438	0.298	0.278	0.354	0.201	0.438	0.298	0.278	0.354
PCB110 & 115	ug/kg-Wet	9	9	100	2.13	5.29	3.62	3.45	5.11	2.13	5.29	3.62	3.45	5.11
PCB111	ug/kg-Wet	9	9	100	0.00381	0.0155	0.00819	0.00474	0.0142	0.00381	0.0155	0.00819	0.00474	0.0142
PCB112	ug/kg-Wet	9	5	55.6	0.0181	0.185	0.0563	0.025	0.0297	0.000689 U	0.185	0.0317	0.0181	0.0297
PCB114	ug/kg-Wet	9	9	100	0.0496	0.12	0.0958	0.108	0.119	0.0496	0.12	0.0958	0.108	0.119
PCB118	ug/kg-Wet	9	9	100	2.5	5.88	4.04	4.06	4.49	2.5	5.88	4.04	4.06	4.49
PCB120	ug/kg-Wet	9	9	100	0.0157	0.0671	0.0346	0.0191	0.0626	0.0157	0.0671	0.0346	0.0191	0.0626
PCB121	ug/kg-Wet	9	9	100	0.00281	0.0209	0.00905	0.00387	0.0181	0.00281	0.0209	0.00905	0.00387	0.0181
PCB122	ug/kg-Wet	9	9	100	0.00694	0.0172	0.0121	0.0114	0.0163	0.00694	0.0172	0.0121	0.0114	0.0163
PCB123	ug/kg-Wet	9	9	100	0.0425	0.102	0.0778	0.0828	0.0884	0.0425	0.102	0.0778	0.0828	0.0884
PCB126	ug/kg-Wet	9	9	100	0.0107	0.0353	0.0175	0.0149	0.0202	0.0107	0.0353	0.0175	0.0149	0.0202
PCB127	ug/kg-Wet	9	9	100	0.00597	0.0155	0.00938	0.0085	0.0124	0.00597	0.0155	0.00938	0.0085	0.0124
PCB128 & 166	ug/kg-Wet	9	9	100	0.608	1.79	1.05	0.864	1.66	0.608	1.79	1.05	0.864	1.66
PCB129 & 138 & 160 & 163	ug/kg-Wet	9	9	100	6.89	26.9	13.2	8.21	24	6.89	26.9	13.2	8.21	24
PCB130	ug/kg-Wet	9	9	100	0.287	0.857	0.51	0.398	0.847	0.287	0.857	0.51	0.398	0.847
PCB131	ug/kg-Wet	9	9	100	0.0217	0.0923	0.0454	0.0311	0.0711	0.0217	0.0923	0.0454	0.0311	0.0711
PCB132	ug/kg-Wet	9	9	100	0.804	4.9	1.93	1.17	3.6	0.804	4.9	1.93	1.17	3.6
PCB133	ug/kg-Wet	9	9	100	0.125	0.409	0.24	0.14	0.386	0.125	0.409	0.24	0.14	0.386
PCB134 & 143	ug/kg-Wet	9	9	100	0.14	0.735	0.323	0.198	0.614	0.14	0.735	0.323	0.198	0.614
PCB135 & 151 & 154	ug/kg-Wet	9	9	100	1.4	7.55	3.54	1.89	7.36	1.4	7.55	3.54	1.89	7.36
PCB136	ug/kg-Wet	9	9	100	0.253	1.7	0.643	0.332	1.25	0.253	1.7	0.643	0.332	1.25
PCB137	ug/kg-Wet	9	9	100	0.168	0.357	0.241	0.237	0.278	0.168	0.357	0.241	0.237	0.278
PCB139 & 140	ug/kg-Wet	9	9	100	0.0564	0.176	0.0993	0.0839	0.144	0.0564	0.176	0.0993	0.0839	0.144
PCB141	ug/kg-Wet	9	9	100	1.17	6.66	2.56	1.38	4.51	1.17	6.66	2.56	1.38	4.51
PCB142	ug/kg-Wet	9	1	11.1	0.0034	0.0034	0.0034	0.0034	0.0034	0.00135 U	0.00496 U	0.00167	0.001205 U	0.00248 U
PCB144	ug/kg-Wet	9	9	100	0.191	1.06	0.415	0.236	0.763	0.191	1.06	0.415	0.236	0.763
PCB145	ug/kg-Wet	9	8	88.9	0.00049	0.00154	0.000956	0.000727	0.00153	0.00049	0.00154	0.000889	0.000727	0.00153
PCB146	ug/kg-Wet	9	9	100	1.16	4.5	2.42	1.43	4.06	1.16	4.5	2.42	1.43	4.06
PCB147 & 149	ug/kg-Wet	9	9	100	3.34	19.7	8.84	4.72	18.1	3.34	19.7	8.84	4.72	18.1
PCB148	ug/kg-Wet	9	9	100	0.011	0.0879	0.0373	0.0162	0.0821	0.011	0.0879	0.0373	0.0162	0.0821
PCB150	ug/kg-Wet	9	9	100	0.00456	0.0686	0.0256	0.00606	0.0663	0.00456	0.0686	0.0256	0.00606	0.0663
PCB152	ug/kg-Wet	9	9	100	0.00125	0.0177	0.00725	0.00192	0.0168	0.00125	0.0177	0.00725	0.00192	0.0168
PCB153 & 168	ug/kg-Wet	9	9	100	7.47	31.3	15.3	8.79	27.8	7.47	31.3	15.3	8.79	27.8
PCB155	ug/kg-Wet	9	9	100	0.00163	0.00651	0.00372	0.0023	0.00589	0.00163	0.00651	0.00372	0.0023	0.00589
PCB156 & 157	ug/kg-Wet	9	9	100	0.517	1.69	0.826	0.656	1.07	0.517	1.69	0.826	0.656	1.07
PCB158	ug/kg-Wet	9	9	100	0.517	2.08	0.967	0.669	1.56	0.517	2.08	0.967	0.669	1.56
PCB159	ug/kg-Wet	9	9	100	0.0501	0.4	0.143	0.0677	0.27	0.0501	0.4	0.143	0.0677	0.27
PCB161	ug/kg-Wet	9	0	0						0.000967 U	0.00348 U	0.000983	0.00068 U	0.00172 U
PCB162	ug/kg-Wet	9	9	100	0.0179	0.0406	0.0271	0.0253	0.0381	0.0179	0.0406	0.0271	0.0253	0.0381
PCB164	ug/kg-Wet	9	9	100	0.349	1.69	0.715	0.421	1.32	0.349	1.69	0.715	0.421	1.32
PCB165	ug/kg-Wet	9	9	100	0.0049	0.027	0.013	0.00551	0.0258	0.0049	0.027	0.013	0.00551	0.0258
PCB167	ug/kg-Wet	9	9	100	0.224	0.684	0.38	0.314	0.622	0.224	0.684	0.38	0.314	0.622
PCB169	ug/kg-Wet	9	0	0						0.00714 U	0.0492 U	0.00891	0.00575 U	0.0143 U
PCB170	ug/kg-Wet	9	9	100	1.92	12.5	4.65	2.2	9.22	1.92	12.5	4.65	2.2	9.22
PCB171 & 173	ug/kg-Wet	9	9	100	0.451	3.48	1.16	0.508	2.18	0.451	3.48	1.16	0.508	2.18
PCB172	ug/kg-Wet	9	9	100	0.386	2.13	0.854	0.394	1.66	0.386	2.13	0.854	0.394	1.66
PCB174	ug/kg-Wet	9	9	100	1.17	10.4	3.57	1.55	7.1	1.17	10.4	3.57	1.55	7.1
PCB175	ug/kg-Wet	9	9	100	0.0661	0.404	0.16	0.0826	0.314	0.0661	0.404	0.16	0.0826	0.314
PCB176	ug/kg-Wet	9	9	100	0.0995	1.07	0.313	0.133	0.564	0.0995	1.07	0.313	0.133	0.564
PCB177	ug/kg-Wet	9	9	100	0.961	7.28	2.83	1.2	6.15	0.961	7.28	2.83	1.2	6.15
PCB178	ug/kg-Wet	9	9	100	0.407	2.09	0.964	0.463	1.94	0.407	2.09	0.964	0.463	1.94
PCB179	ug/kg-Wet	9	9	100	0.334	3.03	1.04	0.435	2.1	0.334	3.03	1.04	0.435	2.1
PCB180 & 193	ug/kg-Wet	9	9	100	5.41	31.3	12.5	7.14	23.9	5.41	31.3	12.5	7.14	23.9
PCB181	ug/kg-Wet	9	9	100	0.0107	0.0474	0.0275	0.0285	0.0373	0.0107	0.0474	0.0275	0.0285	0.0373
PCB182	ug/kg-Wet	9	9	100	0.00878	0.0485	0.0246	0.0148	0.0454	0.00878	0.0485	0.0246	0.0148	0.0454
PCB183 & 185	ug/kg-Wet	9	9	100	1.39	8.9	3.39	1.78	6.59	1.39	8.9	3.39	1.78	6.59
PCB184	ug/kg-Wet	9	9	100	0.00159	0.00361	0.00254	0.00238	0.00347	0.00159	0.00361	0.00254	0.00238	0.00347

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Table C1-17. Summary Statistics - Juvenile Chinook.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB186	ug/kg-Wet	9	6	66.7	0.000182 J	0.00079	0.000461	0.000356 J	0.000603	0.000068 U	0.00079	0.00034	0.00027 J	0.000603
PCB187	ug/kg-Wet	9	9	100	2.77	15.4	7.09	3.9	14	2.77	15.4	7.09	3.9	14
PCB188	ug/kg-Wet	9	9	100	0.00295	0.0231	0.0101	0.00371	0.0227	0.00295	0.0231	0.0101	0.00371	0.0227
PCB189	ug/kg-Wet	9	9	100	0.0662	0.36	0.145	0.0726	0.269	0.0662	0.36	0.145	0.0726	0.269
PCB190	ug/kg-Wet	9	9	100	0.393	2.49	0.975	0.501	1.97	0.393	2.49	0.975	0.501	1.97
PCB191	ug/kg-Wet	9	9	100	0.0781	0.478	0.181	0.0916	0.337	0.0781	0.478	0.181	0.0916	0.337
PCB192	ug/kg-Wet	9	0	0						0.000105 U	0.00123 U	0.00053	0.000585 U	0.000615 U
PCB194	ug/kg-Wet	9	9	100	0.725	4.7	1.83	0.942	3.41	0.725	4.7	1.83	0.942	3.41
PCB195	ug/kg-Wet	9	9	100	0.254	1.98	0.73	0.339	1.44	0.254	1.98	0.73	0.339	1.44
PCB196	ug/kg-Wet	9	9	100	0.359	2.52	0.94	0.479	1.73	0.359	2.52	0.94	0.479	1.73
PCB197 & 200	ug/kg-Wet	9	9	100	0.0622	0.578	0.197	0.0905	0.355	0.0622	0.578	0.197	0.0905	0.355
PCB198 & 199	ug/kg-Wet	9	9	100	0.845	4.59	1.97	1.01	3.78	0.845	4.59	1.97	1.01	3.78
PCB201	ug/kg-Wet	9	9	100	0.072	0.458	0.181	0.0884	0.326	0.072	0.458	0.181	0.0884	0.326
PCB202	ug/kg-Wet	9	9	100	0.145	0.569	0.297	0.175	0.555	0.145	0.569	0.297	0.175	0.555
PCB203	ug/kg-Wet	9	9	100	0.518	2.93	1.28	0.742	2.44	0.518	2.93	1.28	0.742	2.44
PCB204	ug/kg-Wet	9	8	88.9	0.000294 J	0.00132	0.000831	0.000839	0.00108	0.000294 J	0.00132	0.00076	0.000839	0.00108
PCB205	ug/kg-Wet	9	9	100	0.0379	0.246	0.0966	0.0508	0.178	0.0379	0.246	0.0966	0.0508	0.178
PCB206	ug/kg-Wet	9	9	100	0.194	0.704	0.374	0.318	0.535	0.194	0.704	0.374	0.318	0.535
PCB207	ug/kg-Wet	9	9	100	0.0228	0.0915	0.0461	0.0323	0.0708	0.0228	0.0915	0.0461	0.0323	0.0708
PCB208	ug/kg-Wet	9	9	100	0.0644	0.156	0.0952	0.0856	0.124	0.0644	0.156	0.0952	0.0856	0.124
PCB209	ug/kg-Wet	9	9	100	0.0319	0.0928	0.0562	0.0457	0.0765	0.0319	0.0928	0.0562	0.0457	0.0765
Total PCB Congeners	ug/kg-Wet	9	9	100	72.3	277	147	111	246	72.3	277	147	111	246
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	9	9	100	0.193	0.771	0.398	0.296	0.728	0.193	0.771	0.398	0.296	0.728
Heptachlorobiphenyl homologs	ug/kg-Wet	9	9	100	16.3	100	39.9	20.2	79.8	16.3	100	39.9	20.2	79.8
Hexachlorobiphenyl homologs	ug/kg-Wet	9	9	100	26.5	115	54.5	32.1	101	26.5	115	54.5	32.1	101
Monochlorobiphenyl homologs	ug/kg-Wet	9	9	100	0.00616	0.0327	0.0155	0.00915	0.03	0.00616	0.0327	0.0155	0.00915	0.03
Nonachlorobiphenyl homologs	ug/kg-Wet	9	9	100	0.282	0.952	0.515	0.435	0.725	0.282	0.952	0.515	0.435	0.725
Octachlorobiphenyl homologs	ug/kg-Wet	9	9	100	3.04	18.6	7.53	3.86	14.2	3.04	18.6	7.53	3.86	14.2
Pentachlorobiphenyl homologs	ug/kg-Wet	9	9	100	15.4	38.6	25.4	22.7	33.8	15.4	38.6	25.4	22.7	33.8
Tetrachlorobiphenyl homologs	ug/kg-Wet	9	9	100	7.97	24.7	15.1	15.3	20.9	7.97	24.7	15.1	15.3	20.9
Trichlorobiphenyl homologs	ug/kg-Wet	9	9	100	2.33	6.32	3.91	3.88	5.1	2.33	6.32	3.91	3.88	5.1
Pesticides														
2,4'-DDD	ug/kg-Wet	15	7	46.7	2.6 NJ	13	7.17	5.1 NJ	12	1 U	13	3.64	0.7 U	12
2,4'-DDE	ug/kg-Wet	15	0	0						0.16 U	6.2 U	0.683	0.5 U	1.05 U
2,4'-DDT	ug/kg-Wet	15	10	66.7	1.7 NJ	10	5.43	3.2 NJ	10	1.7 NJ	19 UT	4.77	2.9 NJ	10
4,4'-DDD	ug/kg-Wet	15	15	100	1 J	130	26.9	4.6 N	120	1 J	130	26.9	4.6 N	120
4,4'-DDE	ug/kg-Wet	15	15	100	7	93	30.2	19	92	7	93	30.2	19	92
4,4'-DDT	ug/kg-Wet	15	13	86.7	4.2	38	15.4	10	38	4.2	38	14.6	9.5 UT	38
Aldrin	ug/kg-Wet	15	0	0						0.16 U	1.2 U	0.305	0.275 U	0.5 U
alpha-Endosulfan	ug/kg-Wet	15	3	20	0.22 NJ	0.88 J	0.567	0.6 NJ	0.6 NJ	0.18 U	1.1 U	0.384	0.5 UJT	0.6 NJ
alpha-Hexachlorocyclohexane	ug/kg-Wet	15	0	0						0.33 U	1 U	0.302	0.175 U	0.5 U
beta-Endosulfan	ug/kg-Wet	15	5	33.3	1.6	4.3 N	2.94	3.1 NJ	3.3 N	0.26 U	19 UT	1.86	0.6 U	4.3 N
beta-Hexachlorocyclohexane	ug/kg-Wet	15	0	0						0.33 U	1.2 UT	0.384	0.5 UT	0.55 U
cis-Chlordane	ug/kg-Wet	15	7	46.7	0.23 J	1.6 N	0.739	0.59 NJ	1.4 N	0.12 U	1.6 N	0.52	0.5 U	1.4 N
cis-Nonachlor	ug/kg-Wet	15	0	0						0.27 U	17 U	1.79	1.25 U	4.4 U
delta-Hexachlorocyclohexane	ug/kg-Wet	15	2	13.3	0.38 J	0.44 J	0.41	0.38 J	0.38 J	0.22 U	1.1 U	0.347	0.44 J	0.5 U
Dieldrin	ug/kg-Wet	15	6	40	0.23 J	2.6 N	1.56	1.2	2.1 N	0.22 U	2.7 U	1.02	0.85 UT	2.1 N
Endosulfan sulfate	ug/kg-Wet	15	3	20	0.96 J	1 J	0.983	0.99 J	0.99 J	0.2 UJ	1 U	0.438	0.5 UT	0.99 J
Endrin aldehyde	ug/kg-Wet	15	0	0						0.19 U	3.5 U	0.603	0.55 U	0.9 U
Endrin ketone	ug/kg-Wet	15	0	0						0.41 U	3 U	0.504	0.5 UT	0.75 U
Endrin	ug/kg-Wet	15	0	0						0.076 U	1.1 U	0.364	0.5 UT	0.55 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	15	0	0						0.18 U	1.1 U	0.346	0.5 UT	0.55 U
Heptachlor epoxide	ug/kg-Wet	15	8	53.3	1.3	2.1 NJ	1.65	1.5	2	0.93 U	2.1 NJ	1.11	1.3	2
Heptachlor	ug/kg-Wet	15	3	20	0.39 J	1.2	0.783	0.76 J	0.76 J	0.33 U	1.2	0.511	0.5 U	0.76 J
Methoxychlor	ug/kg-Wet	15	0	0						0.34 U	19 U	1.76	0.6 U	9.5 U
Mirex	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 UT	0.5 U
Oxychlordane	ug/kg-Wet	15	0	0						0.4 U	1 U	0.324	0.21 U	0.5 U
Total Chlordanes	ug/kg-Wet	15	12	80	0.59 JT	7.8 JT	3.2	1.6 JT	7.6 JT	0.59 JT	19 UT	4.12	3.92 JT	9.5 UT
Total Endosulfan	ug/kg-Wet	15	8	53.3	0.22 JT	4.3 T	2.42	2.4 T	3.3 T	0.22 JT	19 UT	2.08	1.56 JT	4.3 T
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	15	15	100	16.9 JT	284 T	77.4	32.5 JT	272 T	16.9 JT	284 T	77.4	32.5 JT	272 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	15	15	100	1.6 T	143 T	30.2	5.2 JT	132 T	1.6 T	143 T	30.2	5.2 JT	132 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	15	15	100	7 T	93 T	30.2	19 T	92 T	7 T	93 T	30.2	19 T	92 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	15	14	93.3	6.1 JT	48 T	18.2	10.7 JT	48 T	6.1 JT	48 T	17.6	10.7 JT	48 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	15	15	100	14.4 T	261 T	70.5	29.4 JT	250 T	14.4 T	261 T	70.5	29.4 JT	250 T
Toxaphene	ug/kg-Wet	15	0	0						61 UT	310 U	66.5	55 U	115 U
trans-Chlordane	ug/kg-Wet	15	6	40	2 NJ	4	2.85	2.9	2.9 NJ	1 U	4	1.7	1.4 U	2.9 NJ
trans-Nonachlor	ug/kg-Wet	15	10	66.7	0.7 J	3.3 NJ	1.61	1.1 J	3.3 NJ	0.7 J	19 UT	2.48	1.1 J	9.5 UT
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						1600 UT	1700 U	808	800 U	800 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						1600 UT	1700 U	808	800 U	800 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						790 UT	830 U	403	395 UT	410 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						31 UT	51 UT	17.8	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						31 UT	41 UT	16.9	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	11	0	0						25 U	500 U	149	235 UT	245 U
2,4-Dinitrophenol	ug/kg-Wet	6	0	0						3100 U	3300 U	1620	1600 U	1650 U

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Table C1-17. Summary Statistics - Juvenile Chinook.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
2-Chlorophenol	ug/kg-Wet	6	0	0						31 UT	44 UT	17.2	16.5 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	11	0	0						110 U	720 U	118	80 U	285 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						3100 UT	3300 U	1620	1600 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						310 UT	330 U	162	160 U	165 U
4-Methylphenol	ug/kg-Wet	11	0	0						29 U	210 U	29.7	16 UT	80 U
4-Nitrophenol	ug/kg-Wet	6	0	0						1600 UT	1700 U	808	800 U	800 U
Pentachlorophenol	ug/kg-Wet	11	1	9.09	400 J	400 J	400	400 J	400 J	60 U	420 U	120	80 UT	210 U
Phenol	ug/kg-Wet	11	1	9.09	38 J	38 J	38	38 J	38 J	33 U	330 U	114	155 UT	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	11	0	0						95 UT	860 UT	156	55 U	360 U
Butylbenzyl phthalate	ug/kg-Wet	11	4	36.4	160 J	220	190	190	190	160 J	3700 U	662	190	1800 U
Dibutyl phthalate	ug/kg-Wet	11	2	18.2	33 J	48 J	40.5	33 J	33 J	31 U	520 U	149	165 UT	255 U
Diethyl phthalate	ug/kg-Wet	11	0	0						18 U	1300 U	119	80 UT	155 U
Dimethyl phthalate	ug/kg-Wet	11	0	0						9.8 U	170 U	51.1	80 UT	80 U
Di-n-octyl phthalate	ug/kg-Wet	11	0	0						25 U	560 U	138	160 U	275 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	11	0	0						19 U	140 U	22.9	16 UT	55 U
1,2-Dichlorobenzene	ug/kg-Wet	11	0	0						23 U	170 U	25.7	16 UT	65 U
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						31 U	33 U	16.2	16 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	11	0	0						21 UJ	150 UJ	24.1	16 UT	60 UJ
1,4-Dichlorobenzene	ug/kg-Wet	11	0	0						21 UJ	150 UJ	24.1	16 UT	60 UJ
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						32 UT	85 UT	29.6	31.5 UT	36 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						790 UT	830 U	403	395 UT	410 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						1600 UT	1700 U	808	800 U	800 U
3-Nitroaniline	ug/kg-Wet	6	0	0						790 UT	830 U	403	395 UT	410 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						160 UT	170 UT	80.8	80 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						79 UT	83 UT	40.3	39.5 UT	41 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						790 UT	830 U	403	395 UT	410 U
Azobenzene	ug/kg-Wet	6	0	0						160 UT	170 U	80.8	80 U	80 U
Benzyl alcohol	ug/kg-Wet	11	4	36.4	55 J	200 J	97	56 J	77 J	55 J	330 U	127	160 UT	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						160 UT	170 U	80.8	80 U	80 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						160 UT	170 U	80.8	80 U	80 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	15	9	60	0.55	0.9	0.716	0.68	0.88	0.55	33 UT	6.9	0.88	16.5 UT
Hexachlorobenzene	ug/kg-Wet	15	9	60	0.62 J	1.2	0.851	0.83 J	1 J	0.62 J	33 UT	3.38	0.83 J	15.5 UT
Hexachlorobutadiene	ug/kg-Wet	15	0	0						1 UJT	1.1 U	0.53	0.55 U	0.55 U
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						790 UT	830 U	403	395 UT	410 U
Hexachloroethane	ug/kg-Wet	11	0	0						1 UJT	120 U	12.2	0.5 UJT	45.5 U
Nitrobenzene	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						160 UJT	170 UJT	81.7	80 UJT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	11	0	0						19 U	170 U	57.6	80 UT	80 U
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						31 UT	33 UT	16.2	16 UT	16.5 UT
UPRIVER														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						0.000232 U	1.9 U	0.238	0.000123 U	0.0001555 U
Aroclor 1221	ug/kg-Wet	4	0	0						0.00012 U	1.9 U	0.238	0.000064 U	0.0000805 U
Aroclor 1232	ug/kg-Wet	4	0	0						0.000183 U	1.9 U	0.238	0.0000955 U	0.0001025 U
Aroclor 1242	ug/kg-Wet	4	3	75	0.646 NJ	0.91 NJ	0.771	0.757 NJ	0.757 NJ	0.646 NJ	1.9 U	0.816	0.757 NJ	0.91 NJ
Aroclor 1248	ug/kg-Wet	4	1	25	7.1	7.1	7.1	7.1	7.1	0.00225 U	7.1	1.78	0.001385 U	0.001495 U
Aroclor 1254	ug/kg-Wet	4	3	75	5.98 NJ	10.3 NJ	8.05	7.87 NJ	7.87 NJ	5.98 NJ	10.3 NJ	7.19	5.98 NJ	7.87 NJ
Aroclor 1260	ug/kg-Wet	4	4	100	5.45 NJ	9.14 NJ	7.13	6.54 NJ	7.4	5.45 NJ	9.14 NJ	7.13	6.54 NJ	7.4
Aroclor 1262	ug/kg-Wet	1	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	1	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	12.1 JT	20.4 JT	15.6	14.5 T	15.2 JT	12.1 JT	20.4 JT	15.6	14.5 T	15.2 JT
Butyltins														
Butyltin ion	ug/kg-Wet	3	0	0						0.18 U	1.1 U	0.397	0.55 U	0.55 U
Dibutyltin ion	ug/kg-Wet	3	0	0						0.58 U	1 U	0.397	0.4 U	0.4 U
Tetrabutyltin	ug/kg-Wet	3	0	0						0.15 U	0.16 U	0.0783	0.08 U	0.08 U
Tributyltin ion	ug/kg-Wet	3	3	100	0.37 J	0.45 J	0.413	0.42 J	0.42 J	0.37 J	0.45 J	0.413	0.42 J	0.42 J
Conventionals														
Lipids	percent-Wet	4	4	100	1.8	2.7	2.05	1.8	1.9	1.8	2.7	2.05	1.8	1.9
Total solids	percent-Wet	4	4	100	19.3	22.1	20.2	19.5	19.9	19.3	22.1	20.2	19.5	19.9
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	3	2	66.7	0.097	0.263	0.18	0.097	0.097	0.0561 U	0.263	0.129	0.097	0.097
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	1.02	1.18	1.09	1.08	1.08	1.02	1.18	1.09	1.08	1.08
Hexachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.071	0.216	0.166	0.212	0.212	0.071	0.216	0.166	0.212	0.212
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.25	1.08	0.627	0.551	0.551	0.25	1.08	0.627	0.551	0.551
Octachlorodibenzofuran	pg/g-Wet	3	3	100	0.203 J	0.245 J	0.23	0.243 J	0.243 J	0.203 J	0.245 J	0.23	0.243 J	0.243 J
Octachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	2.08 J	2.45	2.3	2.36	2.36	2.08 J	2.45	2.3	2.36	2.36
Pentachlorodibenzofuran homologs	pg/g-Wet	3	2	66.7	0.206	0.371	0.289	0.206	0.206	0.206	0.597 U	0.292	0.2985 U	0.2985 U
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.301	0.701	0.456	0.365	0.365	0.301	0.701	0.456	0.365	0.365

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Table C1-17. Summary Statistics - Juvenile Chinook.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Tetrachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.212	0.307	0.257	0.251	0.251	0.212	0.307	0.257	0.251	0.251
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	1	33.3	0.243	0.243	0.243	0.243	0.243	0.054 U	0.243	0.0994	0.02805 U	0.02805 U
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	3	1	33.3	0.14 J	0.14 J	0.14	0.14 J	0.14 J	0.138 U	0.147 U	0.0942	0.0735 U	0.0735 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.726 J	0.866 J	0.794	0.789 J	0.789 J	0.726 J	0.866 J	0.794	0.789 J	0.789 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	3	0	0						0.0537 U	0.0561 U	0.0273	0.027 U	0.027 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.0537 U	0.0561 U	0.0273	0.027 U	0.027 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.096 J	0.131 J	0.114	0.096 J	0.096 J	0.082 U	0.131 J	0.0893	0.096 J	0.096 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.0537 U	0.0561 U	0.0273	0.027 U	0.027 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.344 J	0.563 J	0.454	0.344 J	0.344 J	0.317 U	0.563 J	0.355	0.344 J	0.344 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.0537 U	0.0561 U	0.0273	0.027 U	0.027 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.084 J	0.166 J	0.125	0.084 J	0.084 J	0.084 J	0.166 J	0.108	0.084 J	0.084 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	2	66.7	0.071 J	0.079 J	0.075	0.071 J	0.071 J	0.054 U	0.079 J	0.059	0.071 J	0.071 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.301 J	0.701 J	0.456	0.365 J	0.365 J	0.301 J	0.701 J	0.456	0.365 J	0.365 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	3	100	0.071 J	0.08 J	0.074	0.071 J	0.071 J	0.071 J	0.08 J	0.074	0.071 J	0.071 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	3	100	0.137 J	0.155 J	0.144	0.139 J	0.139 J	0.137 J	0.155 J	0.144	0.139 J	0.139 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	3	3	100	0.21 J	0.297	0.256	0.26	0.26	0.21 J	0.297	0.256	0.26	0.26
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	3	1	33.3	0.243	0.243	0.243	0.243	0.243	0.153 U	0.243	0.137	0.0925 U	0.0925 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.415 JT	1.14 JT	0.697	0.537 JT	0.537 JT	0.415 JT	1.14 JT	0.697	0.537 JT	0.537 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.494 JT	0.717 JT	0.634	0.692 JT	0.692 JT	0.494 JT	0.717 JT	0.634	0.692 JT	0.692 JT
Total PCDD/F	pg/g-Wet	3	3	100	5.07 JT	6.18 JT	5.52	5.31 JT	5.31 JT	5.07 JT	6.18 JT	5.52	5.31 JT	5.31 JT
Total TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.909 JT	1.84 JT	1.33	1.25 JT	1.25 JT	0.909 JT	1.84 JT	1.33	1.25 JT	1.25 JT
Metals														
Aluminum	mg/kg-Wet	4	4	100	4.74 J	13.4521	9.82	9.00475 T	12.09	4.74 J	13.4521	9.82	9.00475 T	12.09
Antimony	mg/kg-Wet	4	0	0						0.001 U	0.001592 UT	0.000712	0.000772 U	0.00078 U
Arsenic	mg/kg-Wet	4	4	100	0.03 J	0.05597	0.0451	0.0468	0.04776 T	0.03 J	0.05597	0.0451	0.0468	0.04776 T
Cadmium	mg/kg-Wet	4	4	100	0.005 J	0.016405	0.0101	0.007761 T	0.011115	0.005 J	0.016405	0.0101	0.007761 T	0.011115
Chromium	mg/kg-Wet	4	0	0						0.0579 U	0.07 U	0.0308	0.02925 U	0.02985 UT
Copper	mg/kg-Wet	4	4	100	0.878585 T	1.35	1.03	0.92061	0.95745	0.878585 T	1.35	1.03	0.92061	0.95745
Lead	mg/kg-Wet	4	0	0						0.003 UJ	0.02509 U	0.00597	0.004875 U	0.004975 UT
Manganese	mg/kg-Wet	1	1	100	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29
Mercury	mg/kg-Wet	4	4	100	0.009353 J	0.01287	0.0117	0.012	0.012738	0.009353 J	0.01287	0.0117	0.012	0.012738
Nickel	mg/kg-Wet	4	4	100	0.2457	0.408945 JT	0.313	0.295 J	0.30108	0.2457	0.408945 JT	0.313	0.295 J	0.30108
Selenium	mg/kg-Wet	4	3	75	0.1158	0.2189 JT	0.157	0.1365	0.1365	0.1158	0.2189 JT	0.143	0.1158	0.1365
Silver	mg/kg-Wet	4	0	0						0.002 U	0.002702 U	0.0012	0.00117 U	0.0012935 UT
Thallium	mg/kg-Wet	1	1	100	0.0025 J	0.0025 J	0.0025	0.0025 J	0.0025 J	0.0025 J	0.0025 J	0.0025	0.0025 J	0.0025 J
Zinc	mg/kg-Wet	4	4	100	26.865 T	34	29.7	28.757	29.055	26.865 T	34	29.7	28.757	29.055
PAHs														
2-Methylnaphthalene	ug/kg-Wet	4	3	75	3.3	4	3.57	3.4	3.4	3.3	27 UT	6.05	3.4	4
Acenaphthene	ug/kg-Wet	4	3	75	0.38 J	0.41 J	0.397	0.4 J	0.4 J	0.38 J	27 UT	3.67	0.4 J	0.41 J
Acenaphthylene	ug/kg-Wet	4	3	75	0.15 J	0.27 J	0.203	0.19 J	0.19 J	0.15 J	27 UT	3.53	0.19 J	0.27 J
Anthracene	ug/kg-Wet	4	3	75	0.15 J	0.2 J	0.173	0.17 J	0.17 J	0.15 J	27 UT	3.51	0.17 J	0.2 J
Benzo(a)anthracene	ug/kg-Wet	4	0	0						0.13 U	27 UT	3.42	0.065 U	0.065 U
Benzo(a)pyrene	ug/kg-Wet	4	0	0						0.13 U	27 UT	3.42	0.065 U	0.065 U
Benzo(b)fluoranthene	ug/kg-Wet	4	0	0						0.16 U	27 UT	3.44	0.08 U	0.08 U
Benzo(g,h,i)perylene	ug/kg-Wet	4	0	0						0.18 U	27 UT	3.44	0.09 U	0.09 U
Benzo(k)fluoranthene	ug/kg-Wet	4	0	0						0.14 U	27 UT	3.43	0.07 U	0.07 U
Chrysene	ug/kg-Wet	4	0	0						0.2 U	27 UT	3.45	0.1 U	0.1 U
Dibenzo(a,h)anthracene	ug/kg-Wet	4	3	75	0.21 J	0.32 J	0.267	0.27 J	0.27 J	0.21 J	27 UT	3.58	0.27 J	0.32 J
Fluoranthene	ug/kg-Wet	4	1	25	0.61	0.61	0.61	0.61	0.61	0.37 U	27 UT	3.62	0.185 U	0.61
Fluorene	ug/kg-Wet	4	3	75	0.36 J	0.41 J	0.387	0.39 J	0.39 J	0.36 J	27 UT	3.67	0.39 J	0.41 J
High Molecular Weight PAH	ug/kg-Wet	4	3	75	0.21 JT	1.37 JT	0.633	0.32 JT	0.32 JT	0.21 JT	27 UT	3.85	0.32 JT	1.37 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	4	0	0						0.17 U	27 UT	3.44	0.085 U	0.085 U
Low Molecular Weight PAH	ug/kg-Wet	4	3	75	5.04 JT	9.77 JT	6.71	5.32 JT	5.32 JT	5.04 JT	27 UT	8.41	5.32 JT	9.77 JT
Naphthalene	ug/kg-Wet	4	1	25	3.8	3.8	3.8	3.8	3.8	2.8 U	27 UT	5.05	1.5 U	3.8
Phenanthrene	ug/kg-Wet	4	3	75	0.62	0.84	0.717	0.69	0.69	0.62	27 UT	3.91	0.69	0.84
Pyrene	ug/kg-Wet	4	1	25	0.49 J	0.49 J	0.49	0.49 J	0.49 J	0.29 U	27 UT	3.57	0.145 U	0.49 J
Total PAHs	ug/kg-Wet	4	3	75	5.25 JT	10.1 JT	7.35	6.69 JT	6.69 JT	5.25 JT	27 UT	8.89	6.69 JT	10.1 JT
PCB_Congeners														
PCB001	ug/kg-Wet	3	3	100	0.00743	0.00781	0.00764	0.00768	0.00768	0.00743	0.00781	0.00764	0.00768	0.00768
PCB002	ug/kg-Wet	3	3	100	0.000586	0.000649	0.000611	0.000598	0.000598	0.000586	0.000649	0.000611	0.000598	0.000598
PCB003	ug/kg-Wet	3	3	100	0.00169	0.00192	0.0018	0.0018	0.0018	0.00169	0.00192	0.0018	0.0018	0.0018
PCB004	ug/kg-Wet	3	3	100	0.0314	0.0341	0.0329	0.0333	0.0333	0.0314	0.0341	0.0329	0.0333	0.0333
PCB005	ug/kg-Wet	3	1	33.3	0.000726	0.000726	0.000726	0.000726	0.000726	0.000726	0.000823 U	0.000513	0.0004115 U	0.0004115 U
PCB006	ug/kg-Wet	3	3	100	0.00686	0.00757	0.00713	0.00697	0.00697	0.00686	0.00757	0.00713	0.00697	0.00697
PCB007	ug/kg-Wet	3	3	100	0.00151	0.00161	0.00156	0.00156	0.00156	0.00151	0.00161	0.00156	0.00156	0.00156
PCB008	ug/kg-Wet	3	3	100	0.0298	0.0329	0.0311	0.0306	0.0306	0.0298	0.0329	0.0311	0.0306	0.0306
PCB009	ug/kg-Wet	3	3	100	0.00248	0.00266	0.00254	0.00249	0.00249	0.00248	0.00266	0.00254	0.00249	0.00249
PCB010	ug/kg-Wet	3	3	100	0.00119	0.00121	0.0012	0.0012	0.0012	0.00119	0.00121	0.0012	0.0012	0.0012
PCB011	ug/kg-Wet	3	3	100	0.0247	0.0468	0.0337	0.0297	0.0297	0.0247	0.0468	0.0337	0.0297	0.0297
PCB012 & 013	ug/kg-Wet	3	2	66.7	0.000853 J	0.00105	0.000952	0.000853 J	0.000853 J	0.000853 J	0.00128 U	0.000848	0.000853 J	0.000853 J
PCB014	ug/kg-Wet	3	0	0						0.000555 U	0.00058 U	0.000282	0.000279 U	0.000279 U
PCB015	ug/kg-Wet	3	3	100	0.00431	0.00485	0.00452	0.00441	0.00441	0.00431	0.00485	0.00452	0.00441	0.00441
PCB016	ug/kg-Wet	3	3	100	0.00898	0.0106	0.00979	0.0098	0.0098	0.00898	0.0106	0.00979	0.0098	0.0098
PCB017	ug/kg-Wet	3	3	100	0.0162	0.0219	0.0189	0.0187	0.0187	0.0162	0.0219	0.0189	0.0187	0.0187
PCB018 & 030	ug/kg-Wet	3	3	100	0.0286	0.0345	0.0317	0.032	0.032	0.0286	0.0345	0.0317	0.032	0.032

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Table C1-17. Summary Statistics - Juvenile Chinook.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB019	ug/kg-Wet	3	3	100	0.00553	0.00748	0.0063	0.00589	0.00589	0.00553	0.00748	0.0063	0.00589	0.00589
PCB020 & 028	ug/kg-Wet	3	3	100	0.0996	0.158	0.127	0.122	0.122	0.0996	0.158	0.127	0.122	0.122
PCB021 & 033	ug/kg-Wet	3	3	100	0.0157	0.0233	0.0192	0.0187	0.0187	0.0157	0.0233	0.0192	0.0187	0.0187
PCB022	ug/kg-Wet	3	3	100	0.0119	0.0156	0.0135	0.0129	0.0129	0.0119	0.0156	0.0135	0.0129	0.0129
PCB023	ug/kg-Wet	3	2	66.7	0.00008 J	0.000103 J	0.0000915	0.00008 J	0.00008 J	0.00008 J	0.000103 J	0.0000771	0.00008 J	0.00008 J
PCB024	ug/kg-Wet	3	3	100	0.000503	0.000579	0.00055	0.000567	0.000567	0.000503	0.000579	0.00055	0.000567	0.000567
PCB025	ug/kg-Wet	3	3	100	0.00462	0.0064	0.00547	0.00539	0.00539	0.00462	0.0064	0.00547	0.00539	0.00539
PCB026 & 029	ug/kg-Wet	3	3	100	0.0123	0.0199	0.0157	0.0148	0.0148	0.0123	0.0199	0.0157	0.0148	0.0148
PCB027	ug/kg-Wet	3	3	100	0.00232	0.00314	0.00271	0.00266	0.00266	0.00232	0.00314	0.00271	0.00266	0.00266
PCB031	ug/kg-Wet	3	3	100	0.0566	0.0777	0.0677	0.0687	0.0687	0.0566	0.0777	0.0677	0.0687	0.0687
PCB032	ug/kg-Wet	3	3	100	0.0109	0.0156	0.0128	0.0119	0.0119	0.0109	0.0156	0.0128	0.0119	0.0119
PCB034	ug/kg-Wet	3	3	100	0.000333 J	0.000527	0.00045	0.000489	0.000489	0.000333 J	0.000527	0.00045	0.000489	0.000489
PCB035	ug/kg-Wet	3	0	0						0.0000673 U	0.000699 U	0.000146	0.0000535 U	0.0000535 U
PCB036	ug/kg-Wet	3	1	33.3	0.000061 J	0.000061 J	0.000061	0.000061 J	0.000061 J	0.000061 J	0.0000948 U	0.0000473	0.0000474 U	0.0000474 U
PCB037	ug/kg-Wet	3	3	100	0.00534	0.00698	0.00629	0.00656	0.00656	0.00534	0.00698	0.00629	0.00656	0.00656
PCB038	ug/kg-Wet	3	0	0						0.000206 U	0.000225 U	0.000108	0.000109 U	0.000109 U
PCB039	ug/kg-Wet	3	3	100	0.000784	0.00118	0.000929	0.000822	0.000822	0.000784	0.00118	0.000929	0.000822	0.000822
PCB040 & 041 & 071	ug/kg-Wet	3	3	100	0.0456	0.0908	0.0675	0.0662	0.0662	0.0456	0.0908	0.0675	0.0662	0.0662
PCB042	ug/kg-Wet	3	3	100	0.0204	0.0409	0.0315	0.0333	0.0333	0.0204	0.0409	0.0315	0.0333	0.0333
PCB043	ug/kg-Wet	3	3	100	0.00384	0.00687	0.00535	0.00533	0.00533	0.00384	0.00687	0.00535	0.00533	0.00533
PCB044 & 047 & 065	ug/kg-Wet	3	3	100	0.156	0.296	0.222	0.215	0.215	0.156	0.296	0.222	0.215	0.215
PCB045 & 051	ug/kg-Wet	3	3	100	0.0112	0.0204	0.0155	0.0149	0.0149	0.0112	0.0204	0.0155	0.0149	0.0149
PCB046	ug/kg-Wet	3	3	100	0.00178	0.00345	0.00262	0.00264	0.00264	0.00178	0.00345	0.00262	0.00264	0.00264
PCB048	ug/kg-Wet	3	3	100	0.0174	0.0348	0.0262	0.0263	0.0263	0.0174	0.0348	0.0262	0.0263	0.0263
PCB049 & 069	ug/kg-Wet	3	3	100	0.103	0.206	0.153	0.15	0.15	0.103	0.206	0.153	0.15	0.15
PCB050 & 053	ug/kg-Wet	3	3	100	0.00998	0.0193	0.0143	0.0135	0.0135	0.00998	0.0193	0.0143	0.0135	0.0135
PCB052	ug/kg-Wet	3	3	100	0.209	0.403	0.296	0.275	0.275	0.209	0.403	0.296	0.275	0.275
PCB054	ug/kg-Wet	3	3	100	0.000622	0.00164	0.001	0.000744	0.000744	0.000622	0.00164	0.001	0.000744	0.000744
PCB055	ug/kg-Wet	3	3	100	0.00374	0.00683	0.00561	0.00625	0.00625	0.00374	0.00683	0.00561	0.00625	0.00625
PCB056	ug/kg-Wet	3	3	100	0.0145	0.0268	0.0198	0.0182	0.0182	0.0145	0.0268	0.0198	0.0182	0.0182
PCB057	ug/kg-Wet	3	3	100	0.00077	0.00128	0.00105	0.00109	0.00109	0.00077	0.00128	0.00105	0.00109	0.00109
PCB058	ug/kg-Wet	3	2	66.7	0.000671	0.00091	0.000791	0.000671	0.000671	0.000671	0.00134 U	0.00075	0.000671	0.000671
PCB059 & 062 & 075	ug/kg-Wet	3	3	100	0.0118	0.021	0.0165	0.0168	0.0168	0.0118	0.021	0.0165	0.0168	0.0168
PCB060	ug/kg-Wet	3	3	100	0.0435	0.086	0.0644	0.0637	0.0637	0.0435	0.086	0.0644	0.0637	0.0637
PCB061 & 070 & 074 & 076	ug/kg-Wet	3	3	100	0.342	0.61	0.472	0.463	0.463	0.342	0.61	0.472	0.463	0.463
PCB063	ug/kg-Wet	3	3	100	0.0106	0.0216	0.0157	0.015	0.015	0.0106	0.0216	0.0157	0.015	0.015
PCB064	ug/kg-Wet	3	3	100	0.0659	0.125	0.0958	0.0964	0.0964	0.0659	0.125	0.0958	0.0964	0.0964
PCB066	ug/kg-Wet	3	3	100	0.243	0.444	0.343	0.341	0.341	0.243	0.444	0.343	0.341	0.341
PCB067	ug/kg-Wet	3	3	100	0.00297	0.00536	0.00425	0.00442	0.00442	0.00297	0.00536	0.00425	0.00442	0.00442
PCB068	ug/kg-Wet	3	3	100	0.00301	0.00481	0.00393	0.00397	0.00397	0.00301	0.00481	0.00393	0.00397	0.00397
PCB072	ug/kg-Wet	3	3	100	0.00328	0.00611	0.00467	0.00462	0.00462	0.00328	0.00611	0.00467	0.00462	0.00462
PCB073	ug/kg-Wet	3	3	100	0.00129	0.00217	0.00185	0.00208	0.00208	0.00129	0.00217	0.00185	0.00208	0.00208
PCB077	ug/kg-Wet	3	3	100	0.0132	0.0204	0.0172	0.0181	0.0181	0.0132	0.0204	0.0172	0.0181	0.0181
PCB078	ug/kg-Wet	3	0	0						0.000903 U	0.000942 U	0.000459	0.000454 U	0.000454 U
PCB079	ug/kg-Wet	3	3	100	0.00586	0.0106	0.0077	0.00665	0.00665	0.00586	0.0106	0.0077	0.00665	0.00665
PCB080	ug/kg-Wet	3	0	0						0.00157 U	0.00163 U	0.000795	0.000785 U	0.000785 U
PCB081	ug/kg-Wet	3	0	0						0.00143 U	0.00224 U	0.00094	0.000985 U	0.000985 U
PCB082	ug/kg-Wet	3	3	100	0.0344	0.0704	0.0507	0.0473	0.0473	0.0344	0.0704	0.0507	0.0473	0.0473
PCB083 & 099	ug/kg-Wet	3	3	100	0.438	0.731	0.583	0.581	0.581	0.438	0.731	0.583	0.581	0.581
PCB084	ug/kg-Wet	3	3	100	0.0422	0.0901	0.0631	0.057	0.057	0.0422	0.0901	0.0631	0.057	0.057
PCB085 & 116 & 117	ug/kg-Wet	3	3	100	0.135	0.23	0.182	0.18	0.18	0.135	0.23	0.182	0.18	0.18
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	3	3	100	0.309	0.559	0.424	0.403	0.403	0.309	0.559	0.424	0.403	0.403
PCB088 & 091	ug/kg-Wet	3	3	100	0.0465	0.0951	0.0678	0.0618	0.0618	0.0465	0.0951	0.0678	0.0618	0.0618
PCB089	ug/kg-Wet	3	2	66.7	0.00289	0.00452	0.00371	0.00289	0.00289	0.00197 U	0.00452	0.0028	0.00289	0.00289
PCB090 & 101 & 113	ug/kg-Wet	3	3	100	0.567	1.02	0.773	0.733	0.733	0.567	1.02	0.773	0.733	0.733
PCB092	ug/kg-Wet	3	3	100	0.101	0.173	0.133	0.126	0.126	0.101	0.173	0.133	0.126	0.126
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	3	3	100	0.227	0.438	0.317	0.285	0.285	0.227	0.438	0.317	0.285	0.285
PCB094	ug/kg-Wet	3	1	33.3	0.00199	0.00199	0.00199	0.00199	0.00199	0.00122 U	0.0021 U	0.00122	0.00105 U	0.00105 U
PCB096	ug/kg-Wet	3	3	100	0.000837	0.00181	0.00127	0.00115	0.00115	0.000837	0.00181	0.00127	0.00115	0.00115
PCB103	ug/kg-Wet	3	3	100	0.00302	0.00602	0.00431	0.0039	0.0039	0.00302	0.00602	0.00431	0.0039	0.0039
PCB104	ug/kg-Wet	3	2	66.7	0.000135 J	0.000254 J	0.000195	0.000135 J	0.000135 J	0.000135 J	0.000254 J	0.000159	0.000135 J	0.000135 J
PCB105	ug/kg-Wet	3	3	100	0.297	0.503	0.395	0.384	0.384	0.297	0.503	0.395	0.384	0.384
PCB106	ug/kg-Wet	3	0	0						0.00114 U	0.00169 U	0.000735	0.00079 U	0.00079 U
PCB107 & 124	ug/kg-Wet	3	3	100	0.0204	0.0314	0.0265	0.0276	0.0276	0.0204	0.0314	0.0265	0.0276	0.0276
PCB109	ug/kg-Wet	3	3	100	0.0603	0.102	0.0802	0.0784	0.0784	0.0603	0.102	0.0802	0.0784	0.0784
PCB110 & 115	ug/kg-Wet	3	3	100	0.542	0.914	0.706	0.662	0.662	0.542	0.914	0.706	0.662	0.662
PCB111	ug/kg-Wet	3	1	33.3	0.00123	0.00123	0.00123	0.00123	0.00123	0.000895 U	0.00154 U	0.000816	0.00077 U	0.00077 U
PCB112	ug/kg-Wet	3	0	0						0.000881 U	0.00152 U	0.000575	0.000525 U	0.000525 U
PCB114	ug/kg-Wet	3	3	100	0.0186	0.0338	0.026	0.0256	0.0256	0.0186	0.0338	0.026	0.0256	0.0256
PCB118	ug/kg-Wet	3	3	100	0.833	1.43	1.11	1.08	1.08	0.833	1.43	1.11	1.08	1.08
PCB120	ug/kg-Wet	3	3	100	0.00414	0.00569	0.00487	0.00479	0.00479	0.00414	0.00569	0.00487	0.00479	0.00479
PCB121	ug/kg-Wet	3	0	0						0.000895 U	0.00154 U	0.000583	0.00053 U	0.00053 U
PCB122	ug/kg-Wet	3	3	100	0.00262	0.004	0.00312	0.00275	0.00275	0.00262	0.004	0.00312	0.00275	0.00275
PCB123	ug/kg-Wet	3	3	100	0.0172	0.0278	0.0218	0.0203	0.0203	0.0172	0.0278	0.0218	0.0203	0.0203
PCB126	ug/kg-Wet	3	3	100	0.00312	0.00454	0.00389	0.00402	0.00402	0.00312	0.00454	0.00389	0.00402	0.00402
PCB127	ug/kg-Wet	3	2	66.7	0.0026	0.00276	0.00268	0.0026	0.0026	0.00202 U	0.00276	0.00212	0.0026	0.0026

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Table C1-17. Summary Statistics - Juvenile Chinook.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB128 & 166	ug/kg-Wet	3	3	100	0.157	0.26	0.202	0.188	0.188	0.157	0.26	0.202	0.188	0.188
PCB129 & 138 & 160 & 163	ug/kg-Wet	3	3	100	1.23	2	1.57	1.49	1.49	1.23	2	1.57	1.49	1.49
PCB130	ug/kg-Wet	3	3	100	0.065	0.112	0.0862	0.0815	0.0815	0.065	0.112	0.0862	0.0815	0.0815
PCB131	ug/kg-Wet	3	3	100	0.00431	0.00925	0.00644	0.00575	0.00575	0.00431	0.00925	0.00644	0.00575	0.00575
PCB132	ug/kg-Wet	3	3	100	0.144	0.276	0.2	0.179	0.179	0.144	0.276	0.2	0.179	0.179
PCB133	ug/kg-Wet	3	3	100	0.0205	0.0344	0.0267	0.0252	0.0252	0.0205	0.0344	0.0267	0.0252	0.0252
PCB134 & 143	ug/kg-Wet	3	3	100	0.0237	0.0426	0.032	0.0298	0.0298	0.0237	0.0426	0.032	0.0298	0.0298
PCB135 & 151 & 154	ug/kg-Wet	3	3	100	0.203	0.334	0.257	0.234	0.234	0.203	0.334	0.257	0.234	0.234
PCB136	ug/kg-Wet	3	3	100	0.0344	0.0656	0.0467	0.0401	0.0401	0.0344	0.0656	0.0467	0.0401	0.0401
PCB137	ug/kg-Wet	3	3	100	0.043	0.0809	0.062	0.062	0.062	0.043	0.0809	0.062	0.062	0.062
PCB139 & 140	ug/kg-Wet	3	3	100	0.0132	0.0243	0.0187	0.0187	0.0187	0.0132	0.0243	0.0187	0.0187	0.0187
PCB141	ug/kg-Wet	3	3	100	0.138	0.251	0.185	0.167	0.167	0.138	0.251	0.185	0.167	0.167
PCB142	ug/kg-Wet	3	0	0						0.000566 U	0.00105 U	0.000384	0.000343 U	0.000343 U
PCB144	ug/kg-Wet	3	3	100	0.0241	0.0479	0.0344	0.0311	0.0311	0.0241	0.0479	0.0344	0.0311	0.0311
PCB145	ug/kg-Wet	3	3	100	0.000109 J	0.000251 J	0.000179	0.000177 J	0.000177 J	0.000109 J	0.000251 J	0.000179	0.000177 J	0.000177 J
PCB146	ug/kg-Wet	3	3	100	0.209	0.35	0.27	0.252	0.252	0.209	0.35	0.27	0.252	0.252
PCB147 & 149	ug/kg-Wet	3	3	100	0.588	0.985	0.743	0.656	0.656	0.588	0.985	0.743	0.656	0.656
PCB148	ug/kg-Wet	3	3	100	0.00153	0.00288	0.00214	0.00201	0.00201	0.00153	0.00288	0.00214	0.00201	0.00201
PCB150	ug/kg-Wet	3	3	100	0.000875	0.0017	0.00121	0.00104	0.00104	0.000875	0.0017	0.00121	0.00104	0.00104
PCB152	ug/kg-Wet	3	3	100	0.000214 J	0.000379 J	0.000276	0.000234 J	0.000234 J	0.000214 J	0.000379 J	0.000276	0.000234 J	0.000234 J
PCB153 & 168	ug/kg-Wet	3	3	100	1.27	2.12	1.66	1.59	1.59	1.27	2.12	1.66	1.59	1.59
PCB155	ug/kg-Wet	3	3	100	0.000913	0.00112	0.00103	0.00105	0.00105	0.000913	0.00112	0.00103	0.00105	0.00105
PCB156 & 157	ug/kg-Wet	3	3	100	0.111	0.196	0.151	0.147	0.147	0.111	0.196	0.151	0.147	0.147
PCB158	ug/kg-Wet	3	3	100	0.0961	0.173	0.13	0.122	0.122	0.0961	0.173	0.13	0.122	0.122
PCB159	ug/kg-Wet	3	3	100	0.00846	0.0129	0.0101	0.00881	0.00881	0.00846	0.0129	0.0101	0.00881	0.00881
PCB161	ug/kg-Wet	3	0	0						0.0005 U	0.000752 U	0.000293	0.0002515 U	0.0002515 U
PCB162	ug/kg-Wet	3	3	100	0.00493	0.00767	0.00622	0.00605	0.00605	0.00493	0.00767	0.00622	0.00605	0.00605
PCB164	ug/kg-Wet	3	3	100	0.0606	0.0931	0.0727	0.0645	0.0645	0.0606	0.0931	0.0727	0.0645	0.0645
PCB165	ug/kg-Wet	3	3	100	0.000856	0.00135	0.00103	0.000874	0.000874	0.000856	0.00135	0.00103	0.000874	0.000874
PCB167	ug/kg-Wet	3	3	100	0.0461	0.0772	0.0604	0.0579	0.0579	0.0461	0.0772	0.0604	0.0579	0.0579
PCB169	ug/kg-Wet	3	0	0						0.00149 U	0.00233 U	0.000935	0.000895 U	0.000895 U
PCB170	ug/kg-Wet	3	3	100	0.237	0.399	0.305	0.279	0.279	0.237	0.399	0.305	0.279	0.279
PCB171 & 173	ug/kg-Wet	3	3	100	0.0565	0.101	0.0741	0.0648	0.0648	0.0565	0.101	0.0741	0.0648	0.0648
PCB172	ug/kg-Wet	3	3	100	0.0501	0.0825	0.0639	0.059	0.059	0.0501	0.0825	0.0639	0.059	0.059
PCB174	ug/kg-Wet	3	3	100	0.17	0.266	0.203	0.172	0.172	0.17	0.266	0.203	0.172	0.172
PCB175	ug/kg-Wet	3	3	100	0.00898	0.0162	0.012	0.0109	0.0109	0.00898	0.0162	0.012	0.0109	0.0109
PCB176	ug/kg-Wet	3	3	100	0.0141	0.028	0.0194	0.016	0.016	0.0141	0.028	0.0194	0.016	0.016
PCB177	ug/kg-Wet	3	3	100	0.148	0.249	0.186	0.16	0.16	0.148	0.249	0.186	0.16	0.16
PCB178	ug/kg-Wet	3	3	100	0.0653	0.1	0.0796	0.0736	0.0736	0.0653	0.1	0.0796	0.0736	0.0736
PCB179	ug/kg-Wet	3	3	100	0.0518	0.084	0.0631	0.0535	0.0535	0.0518	0.084	0.0631	0.0535	0.0535
PCB180 & 193	ug/kg-Wet	3	3	100	0.673	1.12	0.873	0.825	0.825	0.673	1.12	0.873	0.825	0.825
PCB181	ug/kg-Wet	3	2	66.7	0.00257	0.00347	0.00302	0.00257	0.00257	0.00212 U	0.00347	0.00237	0.00257	0.00257
PCB182	ug/kg-Wet	3	3	100	0.00233	0.0032	0.00265	0.00243	0.00243	0.00233	0.0032	0.00265	0.00243	0.00243
PCB183 & 185	ug/kg-Wet	3	3	100	0.18	0.305	0.23	0.205	0.205	0.18	0.305	0.23	0.205	0.205
PCB184	ug/kg-Wet	3	3	100	0.000926	0.00135	0.00117	0.00122	0.00122	0.000926	0.00135	0.00117	0.00122	0.00122
PCB186	ug/kg-Wet	3	1	33.3	0.000061 J	0.000061 J	0.000061	0.000061 J	0.000061 J	0.0000537 U	0.0000647 U	0.0000401	0.00003235 U	0.00003235 U
PCB187	ug/kg-Wet	3	3	100	0.527	0.724	0.596	0.538	0.538	0.527	0.724	0.596	0.538	0.538
PCB188	ug/kg-Wet	3	3	100	0.000687	0.00109	0.000847	0.000763	0.000763	0.000687	0.00109	0.000847	0.000763	0.000763
PCB189	ug/kg-Wet	3	3	100	0.00898	0.0152	0.0118	0.0112	0.0112	0.00898	0.0152	0.0118	0.0112	0.0112
PCB190	ug/kg-Wet	3	3	100	0.0556	0.0902	0.0697	0.0634	0.0634	0.0556	0.0902	0.0697	0.0634	0.0634
PCB191	ug/kg-Wet	3	3	100	0.0099	0.0175	0.013	0.0116	0.0116	0.0099	0.0175	0.013	0.0116	0.0116
PCB192	ug/kg-Wet	3	0	0						0.0000537 U	0.00116 U	0.000216	0.00004035 U	0.00004035 U
PCB194	ug/kg-Wet	3	3	100	0.1	0.166	0.13	0.123	0.123	0.1	0.166	0.13	0.123	0.123
PCB195	ug/kg-Wet	3	3	100	0.0364	0.0617	0.0471	0.0432	0.0432	0.0364	0.0617	0.0471	0.0432	0.0432
PCB196	ug/kg-Wet	3	3	100	0.0471	0.0879	0.0648	0.0594	0.0594	0.0471	0.0879	0.0648	0.0594	0.0594
PCB197 & 200	ug/kg-Wet	3	3	100	0.011	0.0194	0.0141	0.012	0.012	0.011	0.0194	0.0141	0.012	0.012
PCB198 & 199	ug/kg-Wet	3	3	100	0.139	0.219	0.174	0.165	0.165	0.139	0.219	0.174	0.165	0.165
PCB201	ug/kg-Wet	3	3	100	0.0116	0.0217	0.016	0.0146	0.0146	0.0116	0.0217	0.016	0.0146	0.0146
PCB202	ug/kg-Wet	3	3	100	0.0321	0.045	0.0372	0.0344	0.0344	0.0321	0.045	0.0372	0.0344	0.0344
PCB203	ug/kg-Wet	3	3	100	0.0923	0.149	0.119	0.116	0.116	0.0923	0.149	0.119	0.116	0.116
PCB204	ug/kg-Wet	3	1	33.3	0.000133 J	0.000133 J	0.000133	0.000133 J	0.000133 J	0.000133 J	0.000223 U	0.000109	0.0001115 U	0.0001115 U
PCB205	ug/kg-Wet	3	3	100	0.00591	0.00924	0.00734	0.00687	0.00687	0.00591	0.00924	0.00734	0.00687	0.00687
PCB206	ug/kg-Wet	3	3	100	0.0432	0.0626	0.0525	0.0516	0.0516	0.0432	0.0626	0.0525	0.0516	0.0516
PCB207	ug/kg-Wet	3	3	100	0.00503	0.00815	0.00646	0.00619	0.00619	0.00503	0.00815	0.00646	0.00619	0.00619
PCB208	ug/kg-Wet	3	3	100	0.0162	0.0214	0.0184	0.0176	0.0176	0.0162	0.0214	0.0184	0.0176	0.0176
PCB209	ug/kg-Wet	3	3	100	0.0196	0.022	0.021	0.0215	0.0215	0.0196	0.022	0.021	0.0215	0.0215
Total PCB Congeners	ug/kg-Wet	3	3	100	12.8	21.6	16.7	15.8	15.8	12.8	21.6	16.7	15.8	15.8
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.11	0.126	0.116	0.111	0.111	0.11	0.126	0.116	0.111	0.111
Heptachlorobiphenyl homologs	ug/kg-Wet	3	3	100	2.27	3.61	2.81	2.54	2.54	2.27	3.61	2.81	2.54	2.54
Hexachlorobiphenyl homologs	ug/kg-Wet	3	3	100	4.5	7.56	5.84	5.46	5.46	4.5	7.56	5.84	5.46	5.46
Monochlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.00972	0.0104	0.0101	0.0101	0.0101	0.00972	0.0104	0.0101	0.0101	0.0101
Nonachlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.0645	0.0922	0.0774	0.0754	0.0754	0.0645	0.0922	0.0774	0.0754	0.0754
Octachlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.476	0.779	0.61	0.574	0.574	0.476	0.779	0.61	0.574	0.574
Pentachlorobiphenyl homologs	ug/kg-Wet	3	3	100	3.7	6.48	4.98	4.77	4.77	3.7	6.48	4.98	4.77	4.77
Tetrachlorobiphenyl homologs	ug/kg-Wet	3	3	100	1.34	2.52	1.91	1.86	1.86	1.34	2.52	1.91	1.86	1.86

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Table C1-17. Summary Statistics - Juvenile Chinook.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Trichlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.28	0.404	0.339	0.332	0.332	0.28	0.404	0.339	0.332	0.332
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						0.34 U	1 U	0.253	0.17 U	0.17 U
2,4'-DDE	ug/kg-Wet	4	0	0						0.16 U	1 U	0.366	0.42 U	0.465 U
2,4'-DDT	ug/kg-Wet	4	3	75	0.81 NJ	1.2 NJ	1	1 NJ	1 NJ	0.81 NJ	1.2 NJ	0.878	0.81 NJ	1 NJ
4,4'-DDD	ug/kg-Wet	4	1	25	1 J	1 J	1	1 J	1 J	0.69 U	1 UJ	0.571	0.44 U	0.5 UJ
4,4'-DDE	ug/kg-Wet	4	4	100	6.3	7.9	7	6.6	7.2	6.3	7.9	7	6.6	7.2
4,4'-DDT	ug/kg-Wet	4	4	100	1.3 J	2.1	1.63	1.5	1.6	1.3 J	2.1	1.63	1.5	1.6
Aldrin	ug/kg-Wet	4	0	0						0.16 U	1 U	0.186	0.08 U	0.085 U
alpha-Endosulfan	ug/kg-Wet	4	0	0						0.18 U	1.1 U	0.323	0.15 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.34 U	1 U	0.253	0.17 U	0.17 U
beta-Endosulfan	ug/kg-Wet	4	0	0						0.26 U	1.1 U	0.433	0.5 U	0.55 U
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.33 U	1.6 U	0.328	0.165 U	0.18 U
cis-Chlordane	ug/kg-Wet	4	3	75	0.34 J	0.56 J	0.423	0.37 J	0.37 J	0.34 J	1 U	0.443	0.37 J	0.5 U
cis-Nonachlor	ug/kg-Wet	4	0	0						0.26 U	1.1 U	0.329	0.135 U	0.5 U
delta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.22 U	1 U	0.21	0.115 U	0.115 U
Dieldrin	ug/kg-Wet	4	3	75	0.65 J	0.84 J	0.737	0.72 J	0.72 J	0.65 J	1 UJ	0.678	0.65 J	0.72 J
Endosulfan sulfate	ug/kg-Wet	4	1	25	0.34 J	0.34 J	0.34	0.34 J	0.34 J	0.24 UJ	1 U	0.28	0.16 UJ	0.34 J
Endrin aldehyde	ug/kg-Wet	4	2	50	0.25 NJ	0.61 NJ	0.43	0.25 NJ	0.25 NJ	0.19 U	1 UJ	0.364	0.25 NJ	0.5 UJ
Endrin ketone	ug/kg-Wet	4	0	0						1 U	1.3 U	0.563	0.55 U	0.55 U
Endrin	ug/kg-Wet	4	2	50	0.14 J	0.24 J	0.19	0.14 J	0.14 J	0.14 J	1 U	0.27	0.2 U	0.24 J
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.18 U	1 U	0.231	0.09 U	0.245 U
Heptachlor epoxide	ug/kg-Wet	4	2	50	0.73 J	1.2 NJ	0.965	0.73 J	0.73 J	0.36 U	1.2 NJ	0.653	0.5 U	0.73 J
Heptachlor	ug/kg-Wet	4	0	0						0.33 U	1 U	0.249	0.165 U	0.165 U
Methoxychlor	ug/kg-Wet	4	0	0						0.34 U	1 U	0.253	0.17 U	0.17 U
Mirex	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	4	0	0						0.41 U	1 U	0.285	0.21 U	0.225 U
Total Chlordanes	ug/kg-Wet	4	3	75	2.07 JT	3.02 JT	2.42	2.18 JT	2.18 JT	1 UT	3.02 JT	1.94	2.07 JT	2.18 JT
Total Endosulfan	ug/kg-Wet	4	1	25	0.34 JT	0.34 JT	0.34	0.34 JT	0.34 JT	0.34 JT	1.1 UT	0.485	0.5 UT	0.55 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	8.5 JT	12.2 JT	9.63	8.61 JT	9.2 JT	8.5 JT	12.2 JT	9.63	8.61 JT	9.2 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	1	25	1 JT	1 JT	1	1 JT	1 JT	0.69 UT	1 UJT	0.571	0.44 UT	0.5 UJT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	4	100	6.3 T	7.9 T	7	6.6 T	7.2 T	6.3 T	7.9 T	7	6.6 T	7.2 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	4	100	1.3 JT	3.3 JT	2.38	2.31 JT	2.6 JT	1.3 JT	3.3 JT	2.38	2.31 JT	2.6 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	7.8 T	11 JT	8.88	8.2 T	8.5 JT	7.8 T	11 JT	8.88	8.2 T	8.5 JT
Toxaphene	ug/kg-Wet	4	0	0						24 U	50 U	18.5	18 U	19 U
trans-Chlordane	ug/kg-Wet	4	3	75	0.51 NJ	0.73 NJ	0.6	0.56 NJ	0.56 NJ	0.51 NJ	1 U	0.575	0.51 NJ	0.56 NJ
trans-Nonachlor	ug/kg-Wet	4	3	75	1 J	1.9	1.4	1.3	1.3	1 J	1.9	1.18	1 J	1.3
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	1	0	0						1400 U	1400 U	700	700 U	700 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	1	0	0						1400 U	1400 U	700	700 U	700 U
2,4,5-Trichlorophenol	ug/kg-Wet	1	0	0						680 U	680 U	340	340 U	340 U
2,4,6-Trichlorophenol	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2,4-Dichlorophenol	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2,4-Dimethylphenol	ug/kg-Wet	4	0	0						27 U	410 U	61.9	14 U	15 U
2,4-Dinitrophenol	ug/kg-Wet	1	0	0						2700 U	2700 U	1350	1350 U	1350 U
2-Chlorophenol	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2-Methylphenol	ug/kg-Wet	4	0	0						110 U	140 U	61.3	60 U	60 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	1	0	0						2700 U	2700 U	1350	1350 U	1350 U
4-Chloro-3-methylphenol	ug/kg-Wet	1	0	0						270 U	270 U	135	135 U	135 U
4-Methylphenol	ug/kg-Wet	4	0	0						27 UT	34 U	15.5	15.5 U	16 U
4-Nitrophenol	ug/kg-Wet	1	0	0						1400 U	1400 U	700	700 U	700 U
Pentachlorophenol	ug/kg-Wet	4	0	0						64 U	140 UT	42.4	32.5 U	35 U
Phenol	ug/kg-Wet	4	1	25	40 J	40 J	40	40 J	40 J	35 U	270 U	52.9	19 U	40 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	4	2	50	140 J	140 J	140	140 J	140 J	81 UT	140 J	95.1	60 U	140 J
Butylbenzyl phthalate	ug/kg-Wet	4	3	75	200	240	217	210	210	200	2000 U	413	210	240
Dibutyl phthalate	ug/kg-Wet	4	2	50	50 J	52 J	51	50 J	50 J	34 U	430 U	83.5	50 J	52 J
Diethyl phthalate	ug/kg-Wet	4	0	0						20 U	140 U	25.1	10 U	10.5 U
Dimethyl phthalate	ug/kg-Wet	4	0	0						11 U	140 U	21.8	5.5 U	6 U
Di-n-octyl phthalate	ug/kg-Wet	4	0	0						27 U	4800 U	611	14 U	15 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	4	0	0						21 U	27 UT	11.5	10.5 U	11.5 U
1,2-Dichlorobenzene	ug/kg-Wet	4	0	0						25 U	27 UT	13	12.5 U	13.5 U
1,2-Diphenylhydrazine	ug/kg-Wet	1	0	0						27 U	27 U	13.5	13.5 U	13.5 U
1,3-Dichlorobenzene	ug/kg-Wet	4	0	0						23 UJ	27 UT	12.3	11.5 UJ	12.5 UJ
1,4-Dichlorobenzene	ug/kg-Wet	4	0	0						23 UJ	27 UT	12.3	11.5 UJ	12.5 UJ
2,4-Dinitrotoluene	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2-Chloronaphthalene	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
2-Nitroaniline	ug/kg-Wet	1	0	0						680 U	680 U	340	340 U	340 U
3,3'-Dichlorobenzidine	ug/kg-Wet	1	0	0						1400 U	1400 U	700	700 U	700 U
3-Nitroaniline	ug/kg-Wet	1	0	0						680 U	680 U	340	340 U	340 U
4-Bromophenyl phenyl ether	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
4-Chloroaniline	ug/kg-Wet	1	0	0						140 UT	140 UT	70	70 UT	70 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	1	0	0						68 UT	68 UT	34	34 UT	34 UT
4-Nitroaniline	ug/kg-Wet	1	0	0						680 U	680 U	340	340 U	340 U

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Table C1-17. Summary Statistics - Juvenile Chinook.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Azobenzene	ug/kg-Wet	1	0	0						140 U	140 U	70	70 U	70 U
Benzyl alcohol	ug/kg-Wet	4	3	75	31 J	57 J	42.3	39 J	39 J	31 J	270 U	65.5	39 J	57 J
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	1	0	0						140 U	140 U	70	70 U	70 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	1	0	0						140 U	140 U	70	70 U	70 U
Bis(2-chloroethyl) ether	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
Carbazole	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
Dibenzofuran	ug/kg-Wet	4	3	75	0.37 J	0.48 J	0.417	0.4 J	0.4 J	0.37 J	27 UT	3.69	0.4 J	0.48 J
Hexachlorobenzene	ug/kg-Wet	4	3	75	0.57 J	1.2 J	0.957	1.1 J	1.1 J	0.57 J	1.2 J	0.843	0.57 J	1.1 J
Hexachlorobutadiene	ug/kg-Wet	4	0	0						1 UJT	1.8 U	0.625	0.55 U	0.55 U
Hexachlorocyclopentadiene	ug/kg-Wet	1	0	0						680 U	680 U	340	340 U	340 U
Hexachloroethane	ug/kg-Wet	4	0	0						1 UJT	19 U	7	9 U	9 U
Nitrobenzene	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	1	0	0						140 UJT	140 UJT	70	70 UJT	70 UJT
N-Nitrosodiphenylamine	ug/kg-Wet	4	0	0						20 U	140 U	25.3	10 U	11 U
N-Nitrosodipropylamine	ug/kg-Wet	1	0	0						27 UT	27 UT	13.5	13.5 UT	13.5 UT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of t

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-18. Summary Statistics - Largescale Sucker.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						1.9 U	78 U	15.4	3.8 U	26 U
Aroclor 1221	ug/kg-Wet	6	0	0						1.9 U	140 U	21.6	3.8 U	32 U
Aroclor 1232	ug/kg-Wet	6	0	0						1.9 U	150 U	24.3	3.8 U	43 U
Aroclor 1242	ug/kg-Wet	6	0	0						1.9 U	120 U	20.8	3.8 U	37 U
Aroclor 1248	ug/kg-Wet	6	4	66.7	45	1400 J	479	170	300	45	1400 J	358	125 U	300
Aroclor 1254	ug/kg-Wet	6	0	0						61 U	1500 UJ	308	195 U	475 U
Aroclor 1260	ug/kg-Wet	6	6	100	50	1400	500	320	620 J	50	1400	500	320	620 J
Aroclor 1262	ug/kg-Wet	6	0	0						1.9 U	38 U	8.39	3.8 U	19 UJ
Aroclor 1268	ug/kg-Wet	6	0	0						1.9 U	38 U	8.39	3.8 U	19 UJ
Total PCB Aroclors	ug/kg-Wet	6	6	100	95 T	2020 JT	819	350 T	1400 T	95 T	2020 JT	819	350 T	1400 T
Conventionals														
Lipids	percent-Wet	6	6	100	5.4 T	8.7 T	7.56	7.5 T	8.63 T	5.4 T	8.7 T	7.56	7.5 T	8.63 T
Total solids	percent-Wet	6	6	100	26.6	30.3	28.8	28.8	29.8	26.6	30.3	28.8	28.8	29.8
Metals														
Aluminum	mg/kg-Wet	6	6	100	76.9 J	154 J	127	133 J	150 J	76.9 J	154 J	127	133 J	150 J
Antimony	mg/kg-Wet	6	6	100	0.001 J	0.003 J	0.00225	0.002 J	0.003 J	0.001 J	0.003 J	0.00225	0.002 J	0.003 J
Arsenic	mg/kg-Wet	6	6	100	0.18	0.27	0.233	0.225 T	0.27	0.18	0.27	0.233	0.225 T	0.27
Cadmium	mg/kg-Wet	6	6	100	0.015 J	0.0325 JT	0.0206	0.017 J	0.023 J	0.015 J	0.0325 JT	0.0206	0.017 J	0.023 J
Chromium	mg/kg-Wet	6	6	100	0.38	2.77 T	1.12	0.6	1.76	0.38	2.77 T	1.12	0.6	1.76
Copper	mg/kg-Wet	6	6	100	0.735	1.1 T	0.901	0.905	0.918	0.735	1.1 T	0.901	0.905	0.918
Lead	mg/kg-Wet	6	6	100	0.064	0.191 T	0.122	0.102	0.175	0.064	0.191 T	0.122	0.102	0.175
Manganese	mg/kg-Wet	6	6	100	10.7 J	13.4 J	12.2	11.9 J	13 J	10.7 J	13.4 J	12.2	11.9 J	13 J
Mercury	mg/kg-Wet	6	6	100	0.045	0.085	0.0677	0.066 T	0.079	0.045	0.085	0.0677	0.066 T	0.079
Nickel	mg/kg-Wet	6	6	100	0.29	0.81	0.463	0.39	0.565 T	0.29	0.81	0.463	0.39	0.565 T
Selenium	mg/kg-Wet	6	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 UT
Silver	mg/kg-Wet	6	0	0						0.0003 UJ	0.0074 UJ	0.00267	0.003 UJ	0.0037 UJ
Thallium	mg/kg-Wet	6	6	100	0.0015 J	0.0038 J	0.00248	0.0021 J	0.0031 J	0.0015 J	0.0038 J	0.00248	0.0021 J	0.0031 J
Zinc	mg/kg-Wet	6	6	100	17.1	19.7 T	17.9	17.7	17.9	17.1	19.7 T	17.9	17.7	17.9
PAHs														
2-Methylnaphthalene	ug/kg-Wet	6	1	16.7	49 T	49 T	49	49 T	49 T	26 UT	49 T	20.4	15 UT	16.5 UT
Acenaphthene	ug/kg-Wet	6	0	0						26 UT	65 UT	18.3	15 UT	19.5 UT
Acenaphthylene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Anthracene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Benzo(a)anthracene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Benzo(a)pyrene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Benzo(b)fluoranthene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Benzo(g,h,i)perylene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Benzo(k)fluoranthene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Chrysene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Fluoranthene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Fluorene	ug/kg-Wet	6	2	33.3	42 JT	44 JT	43	42 JT	42 JT	26 UT	44 JT	23.9	15 UT	42 JT
High Molecular Weight PAH	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Low Molecular Weight PAH	ug/kg-Wet	6	2	33.3	42 JT	147 JT	94.5	42 JT	42 JT	26 UT	147 JT	41.1	15 UT	42 JT
Naphthalene	ug/kg-Wet	6	1	16.7	54 T	54 T	54	54 T	54 T	26 UT	54 T	21.3	15 UT	16.5 UT
Phenanthrene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Pyrene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Total PAHs	ug/kg-Wet	6	2	33.3	42 JT	147 JT	94.5	42 JT	42 JT	26 UT	147 JT	41.1	15 UT	42 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	2	33.3	16 NJ	40 T	28	16 NJ	16 NJ	7.8 U	40 T	12.1	4.3 UT	16 NJ
2,4'-DDE	ug/kg-Wet	6	0	0						1 U	7.5 UT	2.27	2 U	3.35 UT
2,4'-DDT	ug/kg-Wet	6	3	50	9.3 NJ	50 T	24.4	14 NJ	14 NJ	6.9 UT	50 T	13.9	3.45 UT	14 NJ
4,4'-DDD	ug/kg-Wet	6	6	100	20	150 T	54.4	31 J	57 T	20	150 T	54.4	31 J	57 T
4,4'-DDE	ug/kg-Wet	6	6	100	79	185 T	121	96 JT	160 T	79	185 T	121	96 JT	160 T
4,4'-DDT	ug/kg-Wet	6	5	83.3	17 JT	245 T	70.4	31 T	32 J	6.3 UT	245 T	59.2	27	32 J
Aldrin	ug/kg-Wet	6	0	0						1 U	13 UT	2.5	2 U	2 UT
alpha-Endosulfan	ug/kg-Wet	6	1	16.7	11 N	11 N	11	11 N	11 N	1.4 U	20 U	4.62	2 U	10 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	6.4 UT	1.95	2 U	2 UT
beta-Endosulfan	ug/kg-Wet	6	0	0						1.2 U	15 UT	2.69	2 UT	2.05 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						3.3 UJ	8.5 UT	2.33	2 UT	2.1 U
cis-Chlordane	ug/kg-Wet	6	0	0						2 U	20 U	3.18	2 U	2.05 U
cis-Nonachlor	ug/kg-Wet	6	0	0						7.1 UT	17 U	4.7	3.55 UT	5.5 U
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	7.3 UT	2.03	2 U	2 UT
Dieldrin	ug/kg-Wet	6	0	0						1 U	14 UT	3.83	2.55 U	7 UT
Endosulfan sulfate	ug/kg-Wet	6	0	0						1.3 U	12 UT	2.44	2 U	2 UT

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Table C1-18. Summary Statistics - Largescale Sucker.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Endrin aldehyde	ug/kg-Wet	6	0	0						2 U	8.5 UT	2.21	2 U	2 UT
Endrin ketone	ug/kg-Wet	6	0	0						1 U	7.5 UT	2.04	2 U	2 UT
Endrin	ug/kg-Wet	6	0	0						1 U	31 UT	5.33	2 UT	10 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	1	16.7	4.5 NJ	4.5 NJ	4.5	4.5 NJ	4.5 NJ	3.5 U	9.6 UT	2.84	2 UT	4.5 NJ
Heptachlor epoxide	ug/kg-Wet	6	0	0						1 U	8 UT	2.08	2 U	2 UT
Heptachlor	ug/kg-Wet	6	0	0						1 U	13 UT	2.5	2 U	2 UT
Methoxychlor	ug/kg-Wet	6	0	0						2.5 U	4.8 UT	2.08	2 UT	2.4 UT
Mirex	ug/kg-Wet	6	0	0						1 U	6.2 UT	1.93	2 U	2 UT
Oxychlordane	ug/kg-Wet	6	1	16.7	2.3 N	2.3 N	2.3	2.3 N	2.3 N	2.3 N	20 UT	3.38	2 UT	2.3 N
Total Chlordanes	ug/kg-Wet	6	2	33.3	8.6 JT	9.6 JT	9.1	8.6 JT	8.6 JT	7.1 UT	20 UT	6.99	5.5 UT	9.6 JT
Total Endosulfan	ug/kg-Wet	6	1	16.7	11 T	11 T	11	11 T	11 T	1.4 UT	20 UT	4.62	2 UT	10 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	143 JT	670 T	256	170 JT	218 JT	143 JT	670 T	256	170 JT	218 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	6	100	27.5 JT	190 T	63.8	36 JT	57 T	27.5 JT	190 T	63.8	36 JT	57 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	79 T	185 T	121	96 JT	160 T	79 T	185 T	121	96 JT	160 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	5	83.3	17 JT	295 T	85.1	36.3 JT	46 JT	6.9 UT	295 T	71.5	31 T	46 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	126 T	580 T	235	156 JT	218 JT	126 T	580 T	235	156 JT	218 JT
Toxaphene	ug/kg-Wet	6	0	0						200 U	3500 U	583	290 U	700 U
trans-Chlordane	ug/kg-Wet	6	0	0						1 U	8.4 UT	2.48	2 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	6	2	33.3	6.3 NJ	9.6 NJ	7.95	6.3 NJ	6.3 NJ	4 UT	11 UT	5.6	5.5 UT	6.3 NJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						1300 U	1700 U	725	650 U	800 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						1300 U	1700 U	725	650 U	800 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						650 U	830 U	362	330 U	405 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2,4-Dimethylphenol	ug/kg-Wet	6	0	0						390 U	500 U	218	195 U	245 U
2,4-Dinitrophenol	ug/kg-Wet	6	0	0						2600 UJ	3300 U	1440	1300 UJ	1600 UJ
2-Chlorophenol	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2-Methylphenol	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						2600 U	3300 U	1440	1300 U	1600 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						260 U	330 U	144	130 U	160 U
4-Methylphenol	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
4-Nitrophenol	ug/kg-Wet	6	0	0						1300 U	1700 U	725	650 U	800 U
Pentachlorophenol	ug/kg-Wet	6	0	0						130 UT	170 UT	72.5	65 UT	80 UT
Phenol	ug/kg-Wet	6	0	0						260 U	330 U	144	130 U	160 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	6	2	33.3	800 T	3000 JT	1900	800 T	800 T	78 UT	3000 JT	663	48.5 UT	800 T
Butylbenzyl phthalate	ug/kg-Wet	6	0	0						260 U	330 U	144	130 U	160 U
Dibutyl phthalate	ug/kg-Wet	6	0	0						260 U	520 U	160	130 U	160 U
Diethyl phthalate	ug/kg-Wet	6	0	0						130 U	1600 U	192	65 U	80 U
Dimethyl phthalate	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
Di-n-octyl phthalate	ug/kg-Wet	6	0	0						260 U	1100 U	208	130 U	160 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
1,2-Dichlorobenzene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						26 U	33 U	14.4	13 U	16 U
1,3-Dichlorobenzene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
1,4-Dichlorobenzene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						26 UT	66 UT	17.2	13 UT	16 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						650 U	830 U	362	330 U	405 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						1300 U	1700 U	725	650 U	800 U
3-Nitroaniline	ug/kg-Wet	6	0	0						650 U	830 U	362	330 U	405 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						130 UT	170 UT	72.5	65 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						65 UT	83 UT	36.2	33 UT	40.5 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						650 U	830 U	362	330 U	405 U
Azobenzene	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
Benzyl alcohol	ug/kg-Wet	6	0	0						260 U	330 U	144	130 U	160 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						26 UT	95 UT	20.2	15 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
Dibenzofuran	ug/kg-Wet	6	0	0						26 UT	39 UT	16.7	16.5 UT	18 UT
Hexachlorobenzene	ug/kg-Wet	6	0	0						4 UT	32 UT	4.53	2 UT	3.2 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						1.1 UJT	4.6 UT	1.81	2 UT	2 UT
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						650 U	830 U	362	330 U	405 U
Hexachloroethane	ug/kg-Wet	6	0	0						2.6 UJT	33 UT	6.55	6.5 UT	6.5 UT

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Table C1-18. Summary Statistics - Largescale Sucker.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Nitrobenzene	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						130 UJT	170 UJT	72.5	65 UJT	80 UJT
N-Nitrosodiphenylamine	ug/kg-Wet	6	0	0						130 U	170 U	72.5	65 U	80 U
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						26 UT	33 UT	14.4	13 UT	16 UT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-19. Summary Statistics - Northern Pikeminnow.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						7.6 U	36 U	9.77	9.5 U	14 U
Aroclor 1221	ug/kg-Wet	6	0	0						7.6 U	79 U	16.6	9.5 U	33.5 U
Aroclor 1232	ug/kg-Wet	6	0	0						7.6 U	62 U	13	9.5 U	20.5 U
Aroclor 1242	ug/kg-Wet	6	0	0						7.6 U	44 U	11.3	9.5 U	19 U
Aroclor 1248	ug/kg-Wet	6	4	66.7	150	170	158	150	160	150	170	132	150	160
Aroclor 1254	ug/kg-Wet	6	0	0						270 U	940 U	230	200 U	230 U
Aroclor 1260	ug/kg-Wet	6	6	100	220	1800	728	560	840	220	1800	728	560	840
Aroclor 1262	ug/kg-Wet	6	0	0						7.6 U	36 U	9.02	9.5 U	9.5 U
Aroclor 1268	ug/kg-Wet	6	0	0						7.6 U	36 U	9.02	9.5 U	9.5 U
Total PCB Aroclors	ug/kg-Wet	6	6	100	370 T	1800 T	833	670 T	1010 T	370 T	1800 T	833	670 T	1010 T
Conventionals														
Lipids	percent-Wet	6	6	100	2.3 T	8.1 T	5.25	4.6 T	6.3 T	2.3 T	8.1 T	5.25	4.6 T	6.3 T
Total solids	percent-Wet	6	6	100	25.6	31.6	28.1	26.9	29.2 T	25.6	31.6	28.1	26.9	29.2 T
Metals														
Aluminum	mg/kg-Wet	6	3	50	1.4 J	2.8 J	1.9	1.5 J	1.5 J	0.7 UJT	2.8 J	1.16	0.5 UJ	1.5 J
Antimony	mg/kg-Wet	6	0	0						0.001 UT	0.002 U	0.000667	0.0005 U	0.001 U
Arsenic	mg/kg-Wet	6	6	100	0.19	0.36 T	0.26	0.21	0.36	0.19	0.36 T	0.26	0.21	0.36
Cadmium	mg/kg-Wet	6	6	100	0.007 J	0.012 J	0.00975	0.009 J	0.0115 JT	0.007 J	0.012 J	0.00975	0.009 J	0.0115 JT
Chromium	mg/kg-Wet	6	5	83.3	0.09 J	0.67	0.402	0.55	0.6	0.08 U	0.67	0.342	0.1 JT	0.6
Copper	mg/kg-Wet	6	6	100	0.575 T	0.89	0.661	0.6	0.72	0.575 T	0.89	0.661	0.6	0.72
Lead	mg/kg-Wet	6	4	66.7	0.008	0.016	0.0118	0.009	0.014	0.005 UT	0.016	0.00883	0.008	0.014
Manganese	mg/kg-Wet	6	6	100	1.05 J	1.97 J	1.59	1.49 J	1.88 J	1.05 J	1.97 J	1.59	1.49 J	1.88 J
Mercury	mg/kg-Wet	6	6	100	0.146 T	0.494	0.28	0.173	0.39	0.146 T	0.494	0.28	0.173	0.39
Nickel	mg/kg-Wet	6	6	100	0.119 J	0.461 J	0.259	0.2 J	0.303 J	0.119 J	0.461 J	0.259	0.2 J	0.303 J
Selenium	mg/kg-Wet	6	2	33.3	0.3	0.4	0.35	0.3	0.3	0.3 UT	0.4	0.217	0.15 U	0.3
Silver	mg/kg-Wet	6	0	0						0.0013 U	0.0052 U	0.00108	0.0007 U	0.00095 U
Thallium	mg/kg-Wet	6	5	83.3	0.0018 J	0.004 J	0.00267	0.0026 J	0.00285 JT	0.0012 U	0.004 J	0.00233	0.0021 J	0.00285 JT
Zinc	mg/kg-Wet	6	6	100	16.4	20	18	17.5 T	19.4	16.4	20	18	17.5 T	19.4
Pesticides														
2,4'-DDD	ug/kg-Wet	6	1	16.7	29 T	29 T	29	29 T	29 T	4.5 UT	29 T	7.97	4.3 UT	4.9 U
2,4'-DDE	ug/kg-Wet	6	1	16.7	53 T	53 T	53	53 T	53 T	4 UT	53 T	11.6	3.75 UT	4.9 U
2,4'-DDT	ug/kg-Wet	6	1	16.7	91 T	91 T	91	91 T	91 T	6.9 UT	91 T	19.2	3.45 UT	10.5 U
4,4'-DDD	ug/kg-Wet	6	5	83.3	17 NJ	48 T	38.9	43 T	46 T	6.1 UT	48 T	32.9	40.5 T	46 T
4,4'-DDE	ug/kg-Wet	6	6	100	82	545 T	252	210 T	305 T	82	545 T	252	210 T	305 T
4,4'-DDT	ug/kg-Wet	6	1	16.7	53 J	53 J	53	53 J	53 J	6.3 UT	53 J	11.5	3.15 UT	3.15 UT
Aldrin	ug/kg-Wet	6	0	0						4 UT	13 UT	4.23	4.9 U	5 UT
alpha-Endosulfan	ug/kg-Wet	6	0	0						4 U	19 U	4.73	4.9 U	5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.08	3.2 UT	3.2 UT
beta-Endosulfan	ug/kg-Wet	6	0	0						4 UT	15 UT	4.39	4.9 U	5 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.61	4.25 UT	4.25 UT
cis-Chlordane	ug/kg-Wet	6	0	0						6.4 U	19 U	5.43	4.95 U	5 U
cis-Nonachlor	ug/kg-Wet	6	0	0						7.1 UT	9.8 U	3.78	3.55 UT	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.31	3.65 UT	3.65 UT
Dieldrin	ug/kg-Wet	6	0	0						4.9 UT	14 UT	5.22	4.95 UT	7 UT
Endosulfan sulfate	ug/kg-Wet	6	0	0						4 UT	12 UT	4.14	4.9 U	5 UT
Endrin aldehyde	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.61	4.25 UT	4.25 UT
Endrin ketone	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.36	3.75 UT	3.75 UT
Endrin	ug/kg-Wet	6	0	0						4 UT	19 UT	4.73	4.9 U	5 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.88	4.8 UT	4.8 UT
Heptachlor epoxide	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.48	4 UT	4 UT
Heptachlor	ug/kg-Wet	6	0	0						4 UT	13 UT	4.23	4.9 U	5 UT
Methoxychlor	ug/kg-Wet	6	1	16.7	17 JT	17 JT	17	17 JT	17 JT	4.8 UT	17 JT	5.27	2.4 UT	5 U
Mirex	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.03	3.1 UT	3.1 UT
Oxychlordane	ug/kg-Wet	6	0	0						4 UT	19 UT	4.73	4.9 U	5 UT
Total Chlordanes	ug/kg-Wet	6	0	0						11 UT	19 UT	6.42	5.5 UT	7 UT
Total Endosulfan	ug/kg-Wet	6	0	0						4 UT	19 UT	4.73	4.9 UT	5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -D	ug/kg-Wet	6	6	100	145 T	761 T	322	251 T	353 T	145 T	761 T	322	251 T	353 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	5	83.3	17 JT	72 T	44.7	46 T	48 T	8.6 UT	72 T	38	40.5 T	48 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	82 T	598 T	261	210 T	305 T	82 T	598 T	261	210 T	305 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	2	33.3	53 JT	91 T	72	53 JT	53 JT	6.9 UT	91 T	26.3	3.45 UT	53 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	145 T	588 T	293	251 T	353 T	145 T	588 T	293	251 T	353 T
Toxaphene	ug/kg-Wet	6	0	0						730 U	2300 U	621	550 U	600 U
trans-Chlordane	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.58	4.2 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	6	0	0						11 UT	14 U	5.75	5.5 UT	5.5 UT

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Table C1-19. Summary Statistics - Northern Pikeminnow.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
SVOCs														
Hexachlorobenzene	ug/kg-Wet	6	0	0						4 UT	9.8 U	3.08	3.2 UT	3.2 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						4 UJT	9.8 UJ	2.63	2.3 UT	2.3 UT
Hexachloroethane	ug/kg-Wet	6	0	0						4 UJT	13 UT	4.38	4.9 UJ	5 UJT

Notes:
J - The associated numerical value is an estimate
N - Presumptive evidence of presence of materia
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-20. Summary Statistics - Peamouth.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Aroclor 1221	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Aroclor 1232	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Aroclor 1242	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Aroclor 1248	ug/kg-Wet	4	4	100	64	150	90.5	69	79	64	150	90.5	69	79
Aroclor 1254	ug/kg-Wet	4	0	0						110 U	180 U	66.3	60 U	60 U
Aroclor 1260	ug/kg-Wet	4	4	100	68	140	96.8	69	110	68	140	96.8	69	110
Aroclor 1262	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Aroclor 1268	ug/kg-Wet	4	0	0						1.9 U	9.5 U	2.85	0.95 U	4.75 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	138 T	290 T	187	147 T	174 T	138 T	290 T	187	147 T	174 T
Conventionals														
Lipids	percent-Wet	4	4	100	6.93 T	10.7 T	8.93	7.9 T	10.2 T	6.93 T	10.7 T	8.93	7.9 T	10.2 T
Total solids	percent-Wet	4	4	100	28.8	30.7	29.8	29.4	30.3	28.8	30.7	29.8	29.4	30.3
Metals														
Aluminum	mg/kg-Wet	4	4	100	15.1 J	185	109	54.5	181	15.1 J	185	109	54.5	181
Antimony	mg/kg-Wet	4	0	0						0.003 U	0.005 U	0.002	0.0015 U	0.0025 U
Arsenic	mg/kg-Wet	4	4	100	0.35	0.48	0.425	0.42	0.45	0.35	0.48	0.425	0.42	0.45
Cadmium	mg/kg-Wet	4	4	100	0.021	0.053	0.032	0.026	0.028	0.021	0.053	0.032	0.026	0.028
Chromium	mg/kg-Wet	4	3	75	0.2	0.49	0.3	0.21	0.21	0.09 U	0.49	0.236	0.2	0.21
Copper	mg/kg-Wet	4	4	100	0.73	1.61	1.21	1.05	1.45	0.73	1.61	1.21	1.05	1.45
Lead	mg/kg-Wet	4	4	100	0.031	10.6	2.7	0.047	0.111	0.031	10.6	2.7	0.047	0.111
Manganese	mg/kg-Wet	4	4	100	2.91 J	11.1 J	6.68	3.99 J	8.7 J	2.91 J	11.1 J	6.68	3.99 J	8.7 J
Mercury	mg/kg-Wet	4	4	100	0.031	0.054	0.0383	0.033	0.035	0.031	0.054	0.0383	0.033	0.035
Nickel	mg/kg-Wet	4	4	100	0.27 J	0.482 J	0.386	0.345 J	0.448 J	0.27 J	0.482 J	0.386	0.345 J	0.448 J
Selenium	mg/kg-Wet	4	4	100	0.3	0.4	0.35	0.3	0.4	0.3	0.4	0.35	0.3	0.4
Silver	mg/kg-Wet	4	0	0						0.001 U	0.0043 U	0.00166	0.00195 U	0.00205 U
Thallium	mg/kg-Wet	4	4	100	0.0073	0.0093	0.00828	0.0073	0.0092	0.0073	0.0093	0.00828	0.0073	0.0092
Zinc	mg/kg-Wet	4	4	100	23.1	25.2	24.1	23.5	24.7	23.1	25.2	24.1	23.5	24.7
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						4 UT	8.6 UT	2.83	2.1 UT	2.9 UT
2,4'-DDE	ug/kg-Wet	4	0	0						1 UT	2.1 UT	0.725	0.5 UT	0.85 UT
2,4'-DDT	ug/kg-Wet	4	1	25	5.7 JT	5.7 JT	5.7	5.7 JT	5.7 JT	5.7 JT	6.9 UT	4.01	3.45 UJT	3.45 UT
4,4'-DDD	ug/kg-Wet	4	4	100	11.1 T	29.5 T	22.5	24.5 T	25 JT	11.1 T	29.5 T	22.5	24.5 T	25 JT
4,4'-DDE	ug/kg-Wet	4	4	100	109 T	185 T	132	110 T	125 JT	109 T	185 T	132	110 T	125 JT
4,4'-DDT	ug/kg-Wet	4	2	50	6.4 JT	7 T	6.7	6.4 JT	6.4 JT	6.3 UJT	7 T	4.93	3.15 UT	6.4 JT
Aldrin	ug/kg-Wet	4	0	0						1 UT	1.7 UT	0.613	0.5 UT	0.6 UT
alpha-Endosulfan	ug/kg-Wet	4	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
beta-Endosulfan	ug/kg-Wet	4	0	0						1 UT	1.2 UT	0.525	0.5 UT	0.5 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						2.4 UT	4.1 UT	1.6	1.35 UT	1.8 UT
cis-Chlordane	ug/kg-Wet	4	2	50	3.1 N	3.4 N	3.25	3.1 N	3.1 N	1.7 U	3.4 N	2.14	1.2 U	3.1 N
cis-Nonachlor	ug/kg-Wet	4	0	0						5.2 UT	7.1 UT	3.14	2.85 UT	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1.3 UT	2.2 UT	0.9	0.8 UT	1.05 UT
Dieldrin	ug/kg-Wet	4	0	0						1.4 UT	3.3 UT	1.1	0.95 UT	1.1 UT
Endosulfan sulfate	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Endrin aldehyde	ug/kg-Wet	4	0	0						1 UT	1.6 UT	0.588	0.5 UT	0.55 UT
Endrin ketone	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UJT	0.5 UT
Endrin	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						1 UT	3.3 UT	1.05	0.95 UT	1.1 UT
Heptachlor epoxide	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Heptachlor	ug/kg-Wet	4	0	0						1 UT	2.3 UT	0.838	0.7 UT	1 UT
Methoxychlor	ug/kg-Wet	4	0	0						1 UT	4.8 UT	1.04	0.55 UT	0.7 UT
Mirex	ug/kg-Wet	4	0	0						1 UT	1.2 UT	0.525	0.5 UT	0.5 UT
Oxychlordane	ug/kg-Wet	4	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Total Chlordanes	ug/kg-Wet	4	2	50	3.1 T	3.4 T	3.25	3.1 T	3.1 T	3.1 T	11 UT	3.65	3.1 T	3.4 T
Total Endosulfan	ug/kg-Wet	4	0	0						1 UT	1.2 UT	0.525	0.5 UT	0.5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	132 JT	215 T	160	142 T	150 JT	132 JT	215 T	160	142 T	150 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	4	100	11.1 T	29.5 T	22.5	24.5 T	25 JT	11.1 T	29.5 T	22.5	24.5 T	25 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	4	100	109 T	185 T	132	110 T	125 JT	109 T	185 T	132	110 T	125 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	2	50	7 T	12.1 JT	9.55	7 T	7 T	6.9 UJT	12.1 JT	6.5	3.45 UT	7 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	127 JT	215 T	159	142 T	150 JT	127 JT	215 T	159	142 T	150 JT
Toxaphene	ug/kg-Wet	4	0	0						98 U	190 U	71	65 U	75 U
trans-Chlordane	ug/kg-Wet	4	0	0						1 UT	5.6 UT	1.3	0.5 UT	1.4 UT
trans-Nonachlor	ug/kg-Wet	4	0	0						3.6 UT	11 UT	4.58	5.5 UT	5.5 UT

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Table C1-20. Summary Statistics - Peamouth.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
SVOCs														
Hexachlorobenzene	ug/kg-Wet	4	3	75	5.7 NT	7.3 NT	6.23	5.7 NT	5.7 NT	3.8 UT	7.3 NT	5.15	5.7 NT	5.7 NT
Hexachlorobutadiene	ug/kg-Wet	4	0	0						1 UJT	1 UJT	0.5	0.5 UJT	0.5 UJT
Hexachloroethane	ug/kg-Wet	4	2	50	2.6 NJT	3.7 NJT	3.15	2.6 NJT	2.6 NJT	1 UJT	3.7 NJT	1.83	0.5 UJT	2.6 NJT

Notes:

J - The associated numerical value is an estimated quai

N - Presumptive evidence of presence of material; ider

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-21. Summary Statistics - Sculpin.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	26	0	0						1.9 U	85 U	9.69	4.75 U	19.5 U
Aroclor 1221	ug/kg-Wet	26	0	0						1.9 U	180 U	16.3	4.75 U	60 U
Aroclor 1232	ug/kg-Wet	26	0	0						1.9 U	94 U	11.5	4.75 U	39.5 U
Aroclor 1242	ug/kg-Wet	26	0	0						1.9 UJ	92 UJ	10.4	4.75 U	25 U
Aroclor 1248	ug/kg-Wet	26	19	73.1	27 T	2600	335	86 J	1900 J	27 T	2600	263	81 J	290
Aroclor 1254	ug/kg-Wet	26	0	0						50 UJ	2100 U	137	49 UJ	200 U
Aroclor 1260	ug/kg-Wet	26	26	100	62 J	2300	317	120 J	670	62 J	2300	317	120 J	670
Aroclor 1262	ug/kg-Wet	26	0	0						1.9 UJ	38 UJ	7.87	4.75 U	19 UJ
Aroclor 1268	ug/kg-Wet	26	0	0						1.9 UJ	38 UJ	7.87	4.75 U	19 UJ
Total PCB Aroclors	ug/kg-Wet	26	26	100	62 JT	3360 T	562	226 JT	2300 T	62 JT	3360 T	562	226 JT	2300 T
Conventionals														
Lipids	percent-Wet	26	26	100	2.2 T	6	4.17	4.1	5.5	2.2 T	6	4.17	4.1	5.5
Total solids	percent-Wet	26	26	100	21.3	27.2	25.2	25.1	26.5	21.3	27.2	25.2	25.1	26.5
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.316	5.32	1.66	0.886	3.32	0.316	5.32	1.66	0.886	3.32
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	1.43	17.7	5.44	2.29	10.8	1.43	17.7	5.44	2.29	10.8
Hexachlorodibenzofuran homologs	pg/g-Wet	9	9	100	0.529	89.2	13.3	2.46	15.3 T	0.529	89.2	13.3	2.46	15.3 T
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	0.657	3.85 T	1.99	1.42	3.78	0.657	3.85 T	1.99	1.42	3.78
Octachlorodibenzofuran	pg/g-Wet	9	9	100	0.115	1.56	0.54	0.458 T	1.21	0.115	1.56	0.54	0.458 T	1.21
Octachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	3.05	40	13.4	4.71	37.9	3.05	40	13.4	4.71	37.9
Pentachlorodibenzofuran homologs	pg/g-Wet	9	9	100	1	117	19.5	2.15	37.4 T	1	117	19.5	2.15	37.4 T
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	0.187	1.51 T	0.617	0.481	1.33	0.187	1.51 T	0.617	0.481	1.33
Tetrachlorodibenzofuran homologs	pg/g-Wet	9	9	100	1.27	117	17	2.26	18.6	1.27	117	17	2.26	18.6
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	9	9	100	0.119	0.469 T	0.283	0.256	0.438	0.119	0.469 T	0.283	0.256	0.438
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	9	9	100	0.144	2.56	0.699	0.393	1.01	0.144	2.56	0.699	0.393	1.01
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	1.09	6.71	3.14	1.68	6.3	1.09	6.71	3.14	1.68	6.3
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	9	8	88.9	0.02	1.6	0.257	0.075 J	0.136 T	0.02	1.6	0.232	0.075 J	0.136 T
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	9	100	0.188	77.1	9.18	0.445	2.55	0.188	77.1	9.18	0.445	2.55
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	8	88.9	0.052	0.308 T	0.165	0.121	0.302	0.052	0.308 T	0.151	0.121	0.302
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	9	100	0.07	9.01	1.27	0.218	0.974 T	0.07	9.01	1.27	0.218	0.974 T
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.457	2.77 T	1.26	0.866	2.41	0.457	2.77 T	1.26	0.866	2.41
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	9	3	33.3	0.016 J	0.444	0.162	0.026	0.026	0.011 U	0.444	0.0618	0.016 J	0.026
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.078	0.415 T	0.198	0.14	0.37	0.078	0.415 T	0.198	0.14	0.37
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	9	9	100	0.241	86	10.7	0.358	6.86	0.241	86	10.7	0.358	6.86
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.187	1.46 T	0.587	0.469	1.25	0.187	1.46 T	0.587	0.469	1.25
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	9	9	100	0.04 J	0.84	0.236	0.127	0.611 T	0.04 J	0.84	0.236	0.127	0.611 T
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	9	9	100	0.329	25.3	3.85	0.618	3.6	0.329	25.3	3.85	0.618	3.6
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	9	9	100	1.37	123	17.4	1.92	20.3	1.37	123	17.4	1.92	20.3
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	9	9	100	0.119	0.446 T	0.259	0.238	0.402	0.119	0.446 T	0.259	0.238	0.402
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	9	9	100	0.772 T	38.6 T	6.31	1.66 T	5.52 JT	0.772 T	38.6 T	6.31	1.66 T	5.52 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	9	9	100	4.82 T	43.7 T	14.8	13.9 T	15.5 T	4.82 T	43.7 T	14.8	13.9 T	15.5 T
Total PCDD/F	pg/g-Wet	9	9	100	9.41 T	388 T	73.8	28.6 T	84.1 T	9.41 T	388 T	73.8	28.6 T	84.1 T
Total TCDD toxicity equivalent	pg/g-Wet	9	9	100	7.03 JT	54.1 T	21.2	15.6 T	44.6 JT	7.03 JT	54.1 T	21.2	15.6 T	44.6 JT
Metals														
Aluminum	mg/kg-Wet	26	23	88.5	10.1 J	33.8 J	21.5	21.7	33.4	10.1 J	46.5 U	20.8	21.5 J	33.4
Antimony	mg/kg-Wet	26	0	0						0.001 U	0.009 U	0.000942	0.0005 U	0.0015 U
Arsenic	mg/kg-Wet	26	26	100	0.13	0.3	0.205	0.21	0.27	0.13	0.3	0.205	0.21	0.27
Cadmium	mg/kg-Wet	26	26	100	0.003 J	0.022	0.00931	0.007 J	0.019	0.003 J	0.022	0.00931	0.007 J	0.019
Chromium	mg/kg-Wet	26	10	38.5	0.1 J	0.35	0.193	0.14	0.34	0.07 U	0.35	0.0983	0.04 U	0.24
Copper	mg/kg-Wet	26	26	100	0.929	1.68	1.25	1.25	1.5	0.929	1.68	1.25	1.25	1.5
Lead	mg/kg-Wet	26	25	96.2	0.0149 J	0.96 J	0.135	0.065	0.255 J	0.0149 J	0.96 J	0.137	0.065	0.255 J
Manganese	mg/kg-Wet	26	26	100	1.96	5.79	2.9	2.6	3.88	1.96	5.79	2.9	2.6	3.88
Mercury	mg/kg-Wet	27	27	100	0.025	0.086	0.0416	0.039	0.069	0.025	0.086	0.0416	0.039	0.069
Nickel	mg/kg-Wet	26	20	76.9	0.16	0.398 J	0.29	0.311 J	0.386 J	0.08 U	0.398 J	0.235	0.23	0.374 J
Selenium	mg/kg-Wet	26	4	15.4	0.2	0.3	0.275	0.3	0.3	0.2 U	0.3 U	0.156	0.15 U	0.3
Silver	mg/kg-Wet	26	1	3.85	0.0067	0.0067	0.0067	0.0067	0.0067	0.0007 U	0.0067	0.00113	0.0008 U	0.0015 U
Thallium	mg/kg-Wet	26	25	96.2	0.002 J	0.012	0.00443	0.004 J	0.007	0.0018 U	0.012	0.0043	0.0039 J	0.007
Zinc	mg/kg-Wet	26	26	100	13.6	18	15.4	15.4	17.5	13.6	18	15.4	15.4	17.5
PAHs														
2-Methylnaphthalene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Acenaphthene	ug/kg-Wet	26	10	38.5	29 T	57 T	39	37 T	45 JT	27 UT	100 UT	26.2	16.5 UT	45 JT
Acenaphthylene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Anthracene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Chrysene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT

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Table C1-21. Summary Statistics - Sculpin.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Fluoranthene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Fluorene	ug/kg-Wet	26	1	3.85	33 T	33 T	33	33 T	33 T	27 UT	33 T	16	15.5 UT	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	26	0	0						27 UT	33 UT	15.3	15.5 UT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	26	10	38.5	29 T	132 T	46.5	37 T	45 JT	27 UT	132 T	29.1	16.5 UT	45 JT
Naphthalene	ug/kg-Wet	26	1	3.85	42 T	42 T	42	42 T	42 T	27 UT	42 T	16.3	15.5 UT	16.5 UT
Phenanthrene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Pyrene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.3	15.5 UT	16.5 UT
Total PAHs	ug/kg-Wet	26	10	38.5	29 T	132 T	46.5	37 T	45 JT	27 UT	132 T	29.1	16.5 UT	45 JT
PCB_Congeners														
PCB001	ug/kg-Wet	7	7	100	0.00435	0.209 T	0.0413	0.0105	0.0378	0.00435	0.209 T	0.0413	0.0105	0.0378
PCB002	ug/kg-Wet	7	1	14.3	0.00948 T	0.00948 T	0.00948	0.00948 T	0.00948 T	0.00185 U	0.00948 T	0.00237	0.000935 U	0.0017 U
PCB003	ug/kg-Wet	7	1	14.3	0.0281 T	0.0281 T	0.0281	0.0281 T	0.0281 T	0.00266 U	0.0281 T	0.00547	0.00134 U	0.002435 U
PCB004	ug/kg-Wet	9	9	100	0.158	3.29 T	1.28	0.749 J	2.53	0.158	3.29 T	1.28	0.749 J	2.53
PCB005	ug/kg-Wet	9	5	55.6	0.00146 J	0.0891 T	0.0236	0.00671	0.0177	0.00146 J	0.0891 T	0.0138	0.002205 U	0.0177
PCB006	ug/kg-Wet	9	9	100	0.02	1.14 T	0.23	0.0524	0.309	0.02	1.14 T	0.23	0.0524	0.309
PCB007	ug/kg-Wet	9	7	77.8	0.00477 J	0.173 T	0.034	0.00726 J	0.0237	0.00385 U	0.173 T	0.027	0.00573 J	0.0237
PCB008	ug/kg-Wet	9	9	100	0.0498	4.87 T	0.849	0.178	1.07	0.0498	4.87 T	0.849	0.178	1.07
PCB009	ug/kg-Wet	9	9	100	0.00443 J	0.361 T	0.065	0.0142	0.0996	0.00443 J	0.361 T	0.065	0.0142	0.0996
PCB010	ug/kg-Wet	9	9	100	0.00933	0.261	0.0728	0.0346	0.166 T	0.00933	0.261	0.0728	0.0346	0.166 T
PCB011	ug/kg-Wet	9	5	55.6	0.0337	0.173 J	0.092	0.066 T	0.148	0.0234 U	0.173 J	0.0584	0.0337	0.148
PCB012 & 013	ug/kg-Wet	9	5	55.6	0.00516 J	0.048 JT	0.0167	0.0105 J	0.0131 J	0.00516 J	0.048 JT	0.0107	0.00516 J	0.0131 J
PCB014	ug/kg-Wet	9	0	0						0.000629 U	0.00578 U	0.00172	0.001585 U	0.00287 U
PCB015	ug/kg-Wet	9	9	100	0.00907	0.787 T	0.113	0.0276	0.0809	0.00907	0.787 T	0.113	0.0276	0.0809
PCB016	ug/kg-Wet	9	9	100	0.0954	5.55 T	1.06	0.502	1.47	0.0954	5.55 T	1.06	0.502	1.47
PCB017	ug/kg-Wet	9	9	100	0.641	8.68 T	2.33	1.29	3.21	0.641	8.68 T	2.33	1.29	3.21
PCB018 & 030	ug/kg-Wet	9	9	100	0.467 J	17.5 JT	3.75	1.85 J	5.44 J	0.467 J	17.5 JT	3.75	1.85 J	5.44 J
PCB019	ug/kg-Wet	9	9	100	0.234	5.15	1.43	0.494	2.26	0.234	5.15	1.43	0.494	2.26
PCB020 & 028	ug/kg-Wet	9	9	100	1.39 J	51.5 JT	12.9	4.22 J	32.4 J	1.39 J	51.5 JT	12.9	4.22 J	32.4 J
PCB021 & 033	ug/kg-Wet	9	9	100	0.247 J	12.4 JT	2.28	0.493 J	4.01 J	0.247 J	12.4 JT	2.28	0.493 J	4.01 J
PCB022	ug/kg-Wet	9	9	100	0.135	8.77 T	1.58	0.36	2.19	0.135	8.77 T	1.58	0.36	2.19
PCB023	ug/kg-Wet	9	4	44.4	0.00131	0.0362 T	0.0145	0.00394	0.0165	0.00131	0.0362 T	0.00771	0.001975 U	0.0165
PCB024	ug/kg-Wet	9	9	100	0.00534	0.29 T	0.0565	0.0206	0.0915	0.00534	0.29 T	0.0565	0.0206	0.0915
PCB025	ug/kg-Wet	9	9	100	0.0402	1.56 T	0.3	0.122	0.349	0.0402	1.56 T	0.3	0.122	0.349
PCB026 & 029	ug/kg-Wet	9	9	100	0.183 J	6.34 JT	1.3	0.314 J	2.04 J	0.183 J	6.34 JT	1.3	0.314 J	2.04 J
PCB027	ug/kg-Wet	9	9	100	0.126	1.42 T	0.477	0.339	0.637	0.126	1.42 T	0.477	0.339	0.637
PCB031	ug/kg-Wet	9	9	100	0.266	24.7 T	4.33	0.872	5.49	0.266	24.7 T	4.33	0.872	5.49
PCB032	ug/kg-Wet	9	9	100	0.406	5.86 T	1.87	0.879	4.19	0.406	5.86 T	1.87	0.879	4.19
PCB034	ug/kg-Wet	9	9	100	0.00665	0.108 T	0.0315	0.0161	0.0561	0.00665	0.108 T	0.0315	0.0161	0.0561
PCB035	ug/kg-Wet	9	1	11.1	0.000487	0.000487	0.000487	0.000487	0.000487	0.000487	0.00432 U	0.00133	0.001185 U	0.00214 U
PCB036	ug/kg-Wet	9	2	22.2	0.000825 J	0.198	0.0994	0.000825 J	0.000825 J	0.000825 J	0.198	0.0242	0.002 U	0.00362 U
PCB037	ug/kg-Wet	9	9	100	0.0181	2.24 T	0.411	0.122	0.816	0.0181	2.24 T	0.411	0.122	0.816
PCB038	ug/kg-Wet	9	8	88.9	0.00199 J	0.0935	0.0213	0.00918 J	0.0313	0.00199 J	0.0935	0.0191	0.00918 J	0.0313
PCB039	ug/kg-Wet	9	9	100	0.00462	0.294	0.0822	0.0152	0.211 T	0.00462	0.294	0.0822	0.0152	0.211 T
PCB040 & 041 & 071	ug/kg-Wet	9	9	100	0.755 J	35.2 J	8.5	1.72 J	14.9 JT	0.755 J	35.2 J	8.5	1.72 J	14.9 JT
PCB042	ug/kg-Wet	9	9	100	0.262	15.3	3.97	0.796	8.11 T	0.262	15.3	3.97	0.796	8.11 T
PCB043	ug/kg-Wet	9	9	100	0.0578	4.62	1.03	0.224	2.01 T	0.0578	4.62	1.03	0.224	2.01 T
PCB044 & 047 & 065	ug/kg-Wet	9	9	100	4.31 J	115 J	31.6	18.7 J	39.8 J	4.31 J	115 J	31.6	18.7 J	39.8 J
PCB045 & 051	ug/kg-Wet	9	9	100	0.435 J	5.26 J	2.14	1.48 J	3.7 JT	0.435 J	5.26 J	2.14	1.48 J	3.7 JT
PCB046	ug/kg-Wet	9	9	100	0.029 J	0.742 T	0.221	0.083	0.448	0.029 J	0.742 T	0.221	0.083	0.448
PCB048	ug/kg-Wet	9	9	100	0.181	11.1	3.25	0.637	8.66 T	0.181	11.1	3.25	0.637	8.66 T
PCB049 & 069	ug/kg-Wet	9	9	100	3.06 J	99.3 J	22.3	8.76 J	30.3 J	3.06 J	99.3 J	22.3	8.76 J	30.3 J
PCB050 & 053	ug/kg-Wet	9	9	100	0.247 J	1.81 JT	0.894	0.753 J	1.57 J	0.247 J	1.81 JT	0.894	0.753 J	1.57 J
PCB052	ug/kg-Wet	9	9	100	3.06	153	34.2	12.9	47.5	3.06	153	34.2	12.9	47.5
PCB054	ug/kg-Wet	9	9	100	0.0656	1.45	0.337	0.126	0.621	0.0656	1.45	0.337	0.126	0.621
PCB055	ug/kg-Wet	9	0	0						0.000966 U	0.00888 U	0.00266	0.002435 U	0.004405 U
PCB056	ug/kg-Wet	9	9	100	0.166	5.58	1.5	0.575	4.59 T	0.166	5.58	1.5	0.575	4.59 T
PCB057	ug/kg-Wet	9	9	100	0.00844	0.251	0.0818	0.0478	0.228 T	0.00844	0.251	0.0818	0.0478	0.228 T
PCB058	ug/kg-Wet	9	8	88.9	0.00582	0.108	0.0315	0.0097 J	0.0669 T	0.00582	0.108	0.0284	0.0097 J	0.0669 T
PCB059 & 062 & 075	ug/kg-Wet	9	9	100	0.278 J	8.6 J	2.14	1.26 J	3.72 JT	0.278 J	8.6 J	2.14	1.26 J	3.72 JT
PCB060	ug/kg-Wet	9	9	100	0.464	40	8	1.25	15.2	0.464	40	8	1.25	15.2
PCB061 & 070 & 074 & 076	ug/kg-Wet	9	9	100	2.56 J	126 J	28.1	8.08 J	50 JT	2.56 J	126 J	28.1	8.08 J	50 JT
PCB063	ug/kg-Wet	9	9	100	0.13	6.45	1.4	0.289	2.11	0.13	6.45	1.4	0.289	2.11
PCB064	ug/kg-Wet	9	9	100	0.607	60.9	12.5	2.35	20.4	0.607	60.9	12.5	2.35	20.4
PCB066	ug/kg-Wet	9	9	100	2.19	189	36.5	7.03	59.5	2.19	189	36.5	7.03	59.5
PCB067	ug/kg-Wet	9	9	100	0.0545	0.73 T	0.237	0.0931	0.505	0.0545	0.73 T	0.237	0.0931	0.505
PCB068	ug/kg-Wet	9	9	100	0.00684	0.139	0.0672	0.0791	0.0916 T	0.00684	0.139	0.0672	0.0791	0.0916 T
PCB072	ug/kg-Wet	9	9	100	0.0576	0.799	0.217	0.144	0.309 T	0.0576	0.799	0.217	0.144	0.309 T
PCB073	ug/kg-Wet	9	6	66.7	0.0225	0.645	0.182	0.0804	0.181	0.0111 UT	0.645	0.123	0.0671	0.181
PCB077	ug/kg-Wet	9	9	100	0.0817	1.7	0.458	0.171	1.39 T	0.0817	1.7	0.458	0.171	1.39 T
PCB078	ug/kg-Wet	9	0	0						0.000953 U	0.0076 U	0.0023	0.002085 U	0.00377 U
PCB079	ug/kg-Wet	9	9	100	0.0221	0.49	0.139	0.122	0.172	0.0221	0.49	0.139	0.122	0.172
PCB080	ug/kg-Wet	9	0	0						0.00122 U	0.0112 U	0.00333	0.003065 U	0.00555 U
PCB081	ug/kg-Wet	9	9	100	0.00249	0.058	0.0171	0.00682	0.0508 T	0.00249	0.058	0.0171	0.00682	0.0508 T
PCB082	ug/kg-Wet	9	9	100	0.0739	1.83	0.609	0.596	1.03	0.0739	1.83	0.609	0.596	1.03

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Table C1-21. Summary Statistics - Sculpin.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB083 & 099	ug/kg-Wet	9	9	100	7.2 J	114 J	31.7	26.8 J	33.5 J	7.2 J	114 J	31.7	26.8 J	33.5 J
PCB084	ug/kg-Wet	9	9	100	0.242	3.83	1.22	1.02	1.86	0.242	3.83	1.22	1.02	1.86
PCB085 & 116 & 117	ug/kg-Wet	9	9	100	1.33 J	47.2 J	10.3	6.06 J	14 J	1.33 J	47.2 J	10.3	6.06 J	14 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	9	9	100	2.58 J	51.3 J	14.1	12.5 J	18.5 J	2.58 J	51.3 J	14.1	12.5 J	18.5 J
PCB088 & 091	ug/kg-Wet	9	9	100	0.47 J	7.29 J	2.29	2.11 JT	2.72 J	0.47 J	7.29 J	2.29	2.11 JT	2.72 J
PCB089	ug/kg-Wet	9	9	100	0.0133	0.833	0.176	0.0596	0.336	0.0133	0.833	0.176	0.0596	0.336
PCB090 & 101 & 113	ug/kg-Wet	9	9	100	6.7 J	94.9 J	32.3	29.9 J	45.6 J	6.7 J	94.9 J	32.3	29.9 J	45.6 J
PCB092	ug/kg-Wet	9	9	100	1.59	22.3	7.48	6.22	11.3	1.59	22.3	7.48	6.22	11.3
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	9	9	100	2.51 J	36.3 J	13.3	10.9 J	21.5 J	2.51 J	36.3 J	13.3	10.9 J	21.5 J
PCB094	ug/kg-Wet	9	9	100	0.0108	0.105	0.0406	0.0333	0.0647	0.0108	0.105	0.0406	0.0333	0.0647
PCB096	ug/kg-Wet	9	9	100	0.0481	0.912	0.254	0.162	0.376	0.0481	0.912	0.254	0.162	0.376
PCB103	ug/kg-Wet	9	9	100	0.0947	1.76	0.455	0.33	0.489	0.0947	1.76	0.455	0.33	0.489
PCB104	ug/kg-Wet	9	5	55.6	0.0106	0.226	0.0659	0.0255	0.0509	0.00743 U	0.226	0.0392	0.0106	0.0509
PCB105	ug/kg-Wet	9	9	100	1.92	57.7	14.7	11.6	21.8	1.92	57.7	14.7	11.6	21.8
PCB106	ug/kg-Wet	9	1	11.1	0.0166 J	0.0166 J	0.0166	0.0166 J	0.0166 J	0.00195 U	0.0179 U	0.00664	0.004935 U	0.00895 U
PCB107 & 124	ug/kg-Wet	9	9	100	0.129 J	2.01 J	0.579	0.283 J	0.875 JT	0.129 J	2.01 J	0.579	0.283 J	0.875 JT
PCB109	ug/kg-Wet	9	9	100	0.537	9.88	2.71	1.99	3.25	0.537	9.88	2.71	1.99	3.25
PCB110 & 115	ug/kg-Wet	9	9	100	3.95 J	80.5 J	23.3	20.5 JT	29.6 J	3.95 J	80.5 J	23.3	20.5 JT	29.6 J
PCB111	ug/kg-Wet	9	9	100	0.011 JT	0.129	0.0414	0.0253	0.0568	0.011 JT	0.129	0.0414	0.0253	0.0568
PCB112	ug/kg-Wet	9	1	11.1	1.79	1.79	1.79	1.79	1.79	0.00139 U	1.79	0.202	0.00351 U	0.00635 U
PCB114	ug/kg-Wet	9	9	100	0.133	4.89	1.14	0.7	1.73	0.133	4.89	1.14	0.7	1.73
PCB118	ug/kg-Wet	9	9	100	7.21	129	36.7	33	42.5	7.21	129	36.7	33	42.5
PCB120	ug/kg-Wet	9	9	100	0.0525 T	0.342	0.151	0.136	0.229	0.0525 T	0.342	0.151	0.136	0.229
PCB121	ug/kg-Wet	9	9	100	0.0126 T	0.419	0.0795	0.0248	0.0861	0.0126 T	0.419	0.0795	0.0248	0.0861
PCB122	ug/kg-Wet	9	8	88.9	0.0131	0.255	0.0914	0.0268	0.232 T	0.0118 U	0.255	0.0819	0.0268	0.232 T
PCB123	ug/kg-Wet	9	9	100	0.0842	2.76	0.625	0.457	0.689 T	0.0842	2.76	0.625	0.457	0.689 T
PCB126	ug/kg-Wet	9	9	100	0.0221	0.177	0.06	0.0582	0.0641 T	0.0221	0.177	0.06	0.0582	0.0641 T
PCB127	ug/kg-Wet	9	8	88.9	0.0229	0.201	0.0799	0.0538	0.101	0.00195 U	0.201	0.0711	0.0538	0.101
PCB128 & 166	ug/kg-Wet	9	9	100	2.19 J	13.2 J	6.82	7.01 J	13.2 J	2.19 J	13.2 J	6.82	7.01 J	13.2 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	9	9	100	18.7 J	293 J	80.3	46.4 JT	91.2 J	18.7 J	293 J	80.3	46.4 JT	91.2 J
PCB130	ug/kg-Wet	9	9	100	0.45	4.19	1.69	1.54 T	2.49	0.45	4.19	1.69	1.54 T	2.49
PCB131	ug/kg-Wet	9	9	100	0.0149	0.206	0.0792	0.0845 T	0.119	0.0149	0.206	0.0792	0.0845 T	0.119
PCB132	ug/kg-Wet	9	9	100	0.65	5.61	2.45	2.23 T	3.74	0.65	5.61	2.45	2.23 T	3.74
PCB133	ug/kg-Wet	9	9	100	0.435	3.49	1.22	0.851	1.81	0.435	3.49	1.22	0.851	1.81
PCB134 & 143	ug/kg-Wet	9	9	100	0.151 J	2.28 J	0.688	0.49 JT	0.818 J	0.151 J	2.28 J	0.688	0.49 JT	0.818 J
PCB135 & 151 & 154	ug/kg-Wet	9	9	100	3.58 J	63.8 J	16.8	9.83 J	25.5 J	3.58 J	63.8 J	16.8	9.83 J	25.5 J
PCB136	ug/kg-Wet	9	9	100	0.52	7.51	2.21	1.3	2.68	0.52	7.51	2.21	1.3	2.68
PCB137	ug/kg-Wet	9	9	100	0.658	5.39	2.33	2.43	3.27	0.658	5.39	2.33	2.43	3.27
PCB139 & 140	ug/kg-Wet	9	9	100	0.269 J	1.78 J	0.843	0.8 JT	1.22 J	0.269 J	1.78 J	0.843	0.8 JT	1.22 J
PCB141	ug/kg-Wet	9	9	100	2.48	48.2	11.8	6.65	12.4	2.48	48.2	11.8	6.65	12.4
PCB142	ug/kg-Wet	9	3	33.3	0.0138	0.0499	0.0266	0.0162	0.0162	0.00155 U	0.0499	0.0111	0.0053 UT	0.0162
PCB144	ug/kg-Wet	9	9	100	0.267	5.69	1.33	0.758	1.38	0.267	5.69	1.33	0.758	1.38
PCB145	ug/kg-Wet	9	6	66.7	0.00165	0.00973	0.00496	0.00328	0.00805	0.00165	0.00973	0.00381	0.00215 U	0.00805
PCB146	ug/kg-Wet	9	9	100	3.22	32.1	11.6	7.92	20.7	3.22	32.1	11.6	7.92	20.7
PCB147 & 149	ug/kg-Wet	9	9	100	1.65 J	18.9 J	7.49	5.33 J	16.8 J	1.65 J	18.9 J	7.49	5.33 J	16.8 J
PCB148	ug/kg-Wet	9	9	100	0.0324 T	0.459	0.121	0.0682	0.192	0.0324 T	0.459	0.121	0.0682	0.192
PCB150	ug/kg-Wet	9	9	100	0.00589	0.0361	0.0159	0.0119	0.0351	0.00589	0.0361	0.0159	0.0119	0.0351
PCB152	ug/kg-Wet	9	9	100	0.0148	0.472	0.0895	0.0377	0.0784	0.0148	0.472	0.0895	0.0377	0.0784
PCB153 & 168	ug/kg-Wet	9	9	100	22.1 J	369 J	92.8	59.8 J	106 J	22.1 J	369 J	92.8	59.8 J	106 J
PCB155	ug/kg-Wet	9	8	88.9	0.00817	0.278	0.0511	0.012	0.0426	0.00761 UT	0.278	0.0459	0.012	0.0426
PCB156	ug/kg-Wet	9	9	100	1.62	15.3	5.05	3.99	7.2	1.62	15.3	5.05	3.99	7.2
PCB157	ug/kg-Wet	9	9	100	0.236	1.49	0.706	0.787	0.945	0.236	1.49	0.706	0.787	0.945
PCB158	ug/kg-Wet	9	9	100	1.79	20.8	6.76	4.52 T	9.35	1.79	20.8	6.76	4.52 T	9.35
PCB159	ug/kg-Wet	9	9	100	0.0305	0.714	0.154	0.0553	0.198	0.0305	0.714	0.154	0.0553	0.198
PCB161	ug/kg-Wet	9	0	0						0.00136 U	0.0122 U	0.00375	0.003355 U	0.00605 U
PCB162	ug/kg-Wet	9	9	100	0.0684	0.29	0.169	0.17 T	0.267	0.0684	0.29	0.169	0.17 T	0.267
PCB164	ug/kg-Wet	9	9	100	0.464	6.71	2.31	1.49	3.72	0.464	6.71	2.31	1.49	3.72
PCB165	ug/kg-Wet	9	9	100	0.0161 T	0.207	0.0643	0.0414	0.111	0.0161 T	0.207	0.0643	0.0414	0.111
PCB167	ug/kg-Wet	9	9	100	0.524	4.8	1.82	1.67 T	2.38	0.524	4.8	1.82	1.67 T	2.38
PCB169	ug/kg-Wet	9	9	100	0.00125	0.00639	0.00267	0.0021	0.0045	0.00125	0.00639	0.00267	0.0021	0.0045
PCB170	ug/kg-Wet	9	9	100	6.06 T	154	28.2	13.6	23.8	6.06 T	154	28.2	13.6	23.8
PCB171 & 173	ug/kg-Wet	9	9	100	1.76 JT	47.3 J	8.46	4.11 J	7.08 J	1.76 JT	47.3 J	8.46	4.11 J	7.08 J
PCB172	ug/kg-Wet	9	9	100	0.994 T	25.2	4.78	2.39	4.9	0.994 T	25.2	4.78	2.39	4.9
PCB174	ug/kg-Wet	9	9	100	0.709	20.5	3.91	1.46	4.43	0.709	20.5	3.91	1.46	4.43
PCB175	ug/kg-Wet	9	9	100	0.147	4.37	0.771	0.331	0.631	0.147	4.37	0.771	0.331	0.631
PCB176	ug/kg-Wet	9	9	100	0.062	1.59	0.301	0.101	0.279	0.062	1.59	0.301	0.101	0.279
PCB177	ug/kg-Wet	9	9	100	0.951	36	6.07	1.94	5.43	0.951	36	6.07	1.94	5.43
PCB178	ug/kg-Wet	9	9	100	1.23 T	25.6	5.28	2.9	5.88	1.23 T	25.6	5.28	2.9	5.88
PCB179	ug/kg-Wet	9	9	100	0.76	23.4	4.19	1.69	3.44	0.76	23.4	4.19	1.69	3.44
PCB180 & 193	ug/kg-Wet	9	9	100	16.6 JT	385 J	75	41.4 J	74.7 J	16.6 JT	385 J	75	41.4 J	74.7 J
PCB181	ug/kg-Wet	9	9	100	0.086 T	1.29	0.303	0.122	0.661	0.086 T	1.29	0.303	0.122	0.661
PCB182	ug/kg-Wet	9	9	100	0.0386	0.325	0.1	0.0609	0.163	0.0386	0.325	0.1	0.0609	0.163
PCB183 & 185	ug/kg-Wet	9	9	100	4.39 J	110 J	20.4	10.8 J	18.4 J	4.39 J	110 J	20.4	10.8 J	18.4 J
PCB184	ug/kg-Wet	9	6	66.7	0.00728	0.0381	0.0159	0.00913	0.018	0.00728	0.0381	0.0127	0.00823	0.018
PCB186	ug/kg-Wet	9	2	22.2	0.00765	0.0139	0.0108	0.00765	0.00765	0.00081 U	0.0139	0.00416	0.00357 UT	0.00765

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Table C1-21. Summary Statistics - Sculpin.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB187	ug/kg-Wet	9	9	100	5.96	137	30.6	12.1	49.3	5.96	137	30.6	12.1	49.3
PCB188	ug/kg-Wet	9	7	77.8	0.0139	0.135	0.0417	0.0282	0.0458	0.0135 UT	0.135	0.034	0.0231	0.0458
PCB189	ug/kg-Wet	9	9	100	0.193	3.97	0.806	0.416	0.826	0.193	3.97	0.806	0.416	0.826
PCB190	ug/kg-Wet	9	9	100	1.41 T	38.3	6.98	3.36	6.13	1.41 T	38.3	6.98	3.36	6.13
PCB191	ug/kg-Wet	9	9	100	0.294 T	6.97	1.28	0.608	1.1	0.294 T	6.97	1.28	0.608	1.1
PCB192	ug/kg-Wet	9	0	0						0.000731 U	0.00672 U	0.002	0.001845 U	0.00333 U
PCB194	ug/kg-Wet	9	9	100	2.12	62.5	10.9	3.63	10.4	2.12	62.5	10.9	3.63	10.4
PCB195	ug/kg-Wet	9	9	100	0.863 T	24.5	4.53	2.14	4.56	0.863 T	24.5	4.53	2.14	4.56
PCB196	ug/kg-Wet	9	9	100	1.31	35.5	6.29	2.98	5.49	1.31	35.5	6.29	2.98	5.49
PCB197 & 200	ug/kg-Wet	9	9	100	0.146 J	3.09 J	0.588	0.303 J	0.548 J	0.146 J	3.09 J	0.588	0.303 J	0.548 J
PCB198 & 199	ug/kg-Wet	9	9	100	2.07 J	53.3 J	9.88	3.6 J	11 J	2.07 J	53.3 J	9.88	3.6 J	11 J
PCB201	ug/kg-Wet	9	9	100	0.173	5.35	0.945	0.397	0.8	0.173	5.35	0.945	0.397	0.8
PCB202	ug/kg-Wet	9	9	100	0.544	8.34	1.87	0.95	2.05	0.544	8.34	1.87	0.95	2.05
PCB203	ug/kg-Wet	9	9	100	2.12	42.1	8.07	4.06	7.71	2.12	42.1	8.07	4.06	7.71
PCB204	ug/kg-Wet	9	3	33.3	0.00228	0.0402	0.015	0.00243	0.00243	0.00228	0.0402	0.00952	0.004875 U	0.0089 U
PCB205	ug/kg-Wet	9	9	100	0.105 T	2.84	0.525	0.216	0.579	0.105 T	2.84	0.525	0.216	0.579
PCB206	ug/kg-Wet	9	9	100	0.66	7.78	1.83	1.11 T	1.77	0.66	7.78	1.83	1.11 T	1.77
PCB207	ug/kg-Wet	9	9	100	0.105	1.19	0.3	0.166	0.366	0.105	1.19	0.3	0.166	0.366
PCB208	ug/kg-Wet	9	9	100	0.139	1.17	0.341	0.264 T	0.32	0.139	1.17	0.341	0.264 T	0.32
PCB209	ug/kg-Wet	9	9	100	0.148	0.785	0.258	0.198	0.246	0.148	0.785	0.258	0.198	0.246
Total PCB Congeners	ug/kg-Wet	9	9	100	203 JT	2450 JT	934	758 JT	1930 JT	203 JT	2450 JT	934	758 JT	1930 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	9	9	100	0.269 JT	11 JT	2.71	2.17 T	2.73 T	0.269 JT	11 JT	2.71	2.17 T	2.73 T
Heptachlorobiphenyl homologs	ug/kg-Wet	9	9	100	42.7 JT	1020 JT	197	99.7 JT	207 JT	42.7 JT	1020 JT	197	99.7 JT	207 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	9	9	100	62.4 JT	922 JT	258	149 JT	315 JT	62.4 JT	922 JT	258	149 JT	315 JT
Monochlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.00435 T	0.247 T	0.0467	0.0105 T	0.0378 T	0.00435 T	0.247 T	0.0467	0.0105 T	0.0378 T
Nonachlorobiphenyl homologs	ug/kg-Wet	9	9	100	0.909 T	10.1 T	2.46	1.53 T	2.34 T	0.909 T	10.1 T	2.46	1.53 T	2.34 T
Octachlorobiphenyl homologs	ug/kg-Wet	9	9	100	9.78 JT	238 JT	43.6	18.3 JT	43.1 JT	9.78 JT	238 JT	43.6	18.3 JT	43.1 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	9	9	100	44.9 JT	669 JT	195	175 JT	219 JT	44.9 JT	669 JT	195	175 JT	219 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	9	9	100	27.5 JT	881 JT	200	76.3 JT	288 JT	27.5 JT	881 JT	200	76.3 JT	288 JT
Trichlorobiphenyl homologs	ug/kg-Wet	9	9	100	7.6 JT	149 JT	34.3	12.7 JT	53.1 JT	7.6 JT	149 JT	34.3	12.7 JT	53.1 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	26	4	15.4	2.1 NJ	71 T	31	18 JT	33 JT	1 UT	71 T	6.45	2 UT	18 JT
2,4'-DDE	ug/kg-Wet	26	3	11.5	7.9 JT	27 T	16.3	14 JT	14 JT	1 U	27 T	3.31	0.9 U	7.9 JT
2,4'-DDT	ug/kg-Wet	26	17	65.4	5.4 NJ	325 T	38.9	9.8 NJ	81 NJ	4.3 U	325 T	26.6	8.4 NJ	62.5 T
4,4'-DDD	ug/kg-Wet	26	19	73.1	4.6 NJ	305 T	35.1	8.3 N	140 JT	4 UT	305 T	26.5	6.7 N	84 T
4,4'-DDE	ug/kg-Wet	26	19	73.1	14 NJ	630 T	73.2	25 NJ	230 JT	11 U	630 T	56.3	19 JT	160 T
4,4'-DDT	ug/kg-Wet	26	21	80.8	8.9 JT	1700 T	125	26 J	135 JT	6.3 UT	1700 T	102	21 J	135 JT
Aldrin	ug/kg-Wet	26	0	0						1 U	13 UT	1.59	0.8 U	4.8 U
alpha-Endosulfan	ug/kg-Wet	26	0	0						1 U	20 U	1.7	0.55 U	3.6 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	26	0	0						1 U	9.6 U	1.25	0.5 U	2 UT
beta-Endosulfan	ug/kg-Wet	26	0	0						1 U	15 UT	1.51	0.65 UT	2 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	26	12	46.2	2 NJ	6.2 NJ	3.92	3.9 NJ	5.3 NJ	1 UJ	9.6 U	3.58	4.1 NJ	4.8 U
cis-Chlordane	ug/kg-Wet	26	14	53.8	2.5 NJ	16 NJ	4.68	3.9 NJ	5 NJ	2.5 NJ	20 U	3.84	3.4 N	5 NJ
cis-Nonachlor	ug/kg-Wet	26	0	0						3.3 UJ	11 U	2.95	2.55 U	4.2 U
delta-Hexachlorocyclohexane	ug/kg-Wet	26	2	7.69	1 NJ	1.6 NJ	1.3	1 NJ	1 NJ	1 UJ	9.6 U	1.31	0.5 UT	2 UT
Dieldrin	ug/kg-Wet	26	14	53.8	2.6 NJ	24 JT	8.06	4 NJ	19 NJ	2.6 NJ	24 JT	6.44	4.6 N	15 NJ
Endosulfan sulfate	ug/kg-Wet	26	2	7.69	1.2 NJ	1.3 NJ	1.25	1.2 NJ	1.2 NJ	1 U	12 UT	1.78	0.85 UT	6 UT
Endrin aldehyde	ug/kg-Wet	26	0	0						1 UJ	9.6 U	1.74	1.45 UJT	4.25 UT
Endrin ketone	ug/kg-Wet	26	0	0						1 UJ	9.6 U	1.25	0.5 UJ	2 UT
Endrin	ug/kg-Wet	26	0	0						1 U	31 UT	3.19	1.1 U	15.5 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	26	11	42.3	1.1 NJ	3.1 NJ	1.92	1.7 N	2.7 NJ	1 U	9.6 U	2.17	2 UT	4.8 UT
Heptachlor epoxide	ug/kg-Wet	26	3	11.5	2	3.2 NJ	2.4	2 NJ	2 NJ	1 U	9.6 U	1.7	2 UT	4 UT
Heptachlor	ug/kg-Wet	26	0	0						1 U	13 UT	1.37	0.5 UT	2 UT
Methoxychlor	ug/kg-Wet	26	11	42.3	1.2 NJ	7.6 N	2.52	1.8 NJ	3.2 NJ	1 U	9.6 U	2.31	2 UT	3.2 NJ
Mirex	ug/kg-Wet	26	0	0						1 U	9.6 U	1.33	0.5 U	3.1 UT
Oxychlordane	ug/kg-Wet	26	0	0						1 U	20 UT	1.53	0.5 UT	2.3 UT
Pesticides (continued)														
Total Chlordanes	ug/kg-Wet	26	14	53.8	2.5 JT	16 JT	8.87	8.9 JT	14.4 JT	2.5 JT	20 UT	6.58	4.8 UT	10.6 JT
Total Endosulfan	ug/kg-Wet	26	2	7.69	1.2 JT	1.3 JT	1.25	1.2 JT	1.2 JT	1 UT	20 UT	2.19	1.55 UT	6 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	26	26	100	18 JT	3060 T	213	49 JT	570 JT	18 JT	3060 T	213	49 JT	570 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	26	19	73.1	4.6 JT	376 T	41.6	8.3 T	173 JT	4 UT	376 T	31.3	6.7 T	102 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	26	19	73.1	14 JT	657 T	75.7	25 JT	244 JT	11 UT	657 T	58.2	19 JT	168 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	26	22	84.6	8.45 T	2030 T	150	31 JT	162 JT	6.9 UT	2030 T	128	30.4 JT	162 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	26	26	100	16 JT	2640 T	181	44 JT	494 T	16 JT	2640 T	181	44 JT	494 T
Toxaphene	ug/kg-Wet	26	0	0						79 U	4500 U	232	85 U	475 UJ
trans-Chlordane	ug/kg-Wet	26	1	3.85	4.4 NJ	4.4 NJ	4.4	4.4 NJ	4.4 NJ	1 U	9.6 U	1.75	1.45 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	26	10	38.5	4.8 N	6.5 NJ	5.43	5.2 NJ	6.1 NJ	3.1 U	11 UT	4.26	4.8 U	5.8 NJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	26	0	0						1400 U	1700 UJ	773	800 U	850 UJ
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	26	0	0						1400 U	1700 U	773	800 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	26	0	0						680 U	830 U	385	390 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	26	0	0						27 UT	52 UT	15.6	15.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	26	0	0						410 U	500 U	231	235 U	250 U

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Table C1-21. Summary Statistics - Sculpin.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
2,4-Dinitrophenol	ug/kg-Wet	24	0	0						2700 U	3300 U	1530	1550 U	1650 U
2-Chlorophenol	ug/kg-Wet	26	0	0						27 UT	33 UT	15.3	15.5 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	26	0	0						2700 U	3300 U	1540	1550 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	26	0	0						270 U	330 U	154	155 U	165 U
4-Methylphenol	ug/kg-Wet	26	1	3.85	62 T	62 T	62	62 T	62 T	27 UT	62 T	17	15.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	26	0	0						1400 U	1700 U	773	800 U	850 U
Pentachlorophenol	ug/kg-Wet	26	0	0						140 UT	170 UT	76.2	75 UT	80 UT
Phenol	ug/kg-Wet	26	0	0						270 U	330 U	154	155 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	26	3	11.5	99 T	28000 JT	12500	9400 JT	9400 JT	82 UT	28000 JT	1530	80 UT	405 UT
Butylbenzyl phthalate	ug/kg-Wet	26	0	0						270 U	330 UJ	154	155 U	165 U
Dibutyl phthalate	ug/kg-Wet	26	0	0						270 U	330 U	154	155 U	165 U
Diethyl phthalate	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
Dimethyl phthalate	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	26	1	3.85	600 J	600 J	600	600 J	600 J	270 UJ	600 J	171	155 UJ	165 UJ
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	26	0	0						27 U	33 U	15.2	15.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	26	0	0						27 UJT	68 UT	23.7	27 UJT	32.5 UJT
2,6-Dinitrotoluene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	26	0	0						680 U	830 U	385	390 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	26	0	0						1400 U	1700 U	773	800 U	850 U
3-Nitroaniline	ug/kg-Wet	26	0	0						680 U	830 U	385	390 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	26	0	0						140 UT	170 UT	76.2	75 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	26	0	0						68 UT	83 UT	38	38.5 UT	41 UT
4-Nitroaniline	ug/kg-Wet	26	0	0						680 U	830 U	385	390 U	415 U
Azobenzene	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
Benzyl alcohol	ug/kg-Wet	26	0	0						270 U	330 U	154	155 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	26	0	0						140 U	170 U	77.3	80 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Carbazole	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	26	1	3.85	33 T	33 T	33	33 T	33 T	27 UT	33 T	15.9	15.5 UT	16.5 UT
Hexachlorobenzene	ug/kg-Wet	26	0	0						4 UT	33 UT	8.92	4.8 UT	16 UT
Hexachlorobutadiene	ug/kg-Wet	26	1	3.85	2 JT	2 JT	2	2 JT	2 JT	1 UJT	33 UT	2.52	2 UJT	4.8 UJT
Hexachlorocyclopentadiene	ug/kg-Wet	26	0	0						680 U	830 U	385	390 U	415 U
Hexachloroethane	ug/kg-Wet	26	0	0						1 UJT	33 UT	3.07	0.5 UJT	14 UT
Nitrobenzene	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	26	0	0						140 UT	770 U	88.1	75 UJT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	26	0	0						140 U	170 UJ	77.3	80 U	85 UJ
N-Nitrosodipropylamine	ug/kg-Wet	26	0	0						27 UT	33 UT	15.2	15.5 UT	16.5 UT

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the comp
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-22. Summary Statistics - Smallmouth Bass.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Fillet without skin														
Metals														
Mercury	mg/kg-Wet	5	5	100	0.071	0.129 T	0.0946	0.087	0.113	0.071	0.129 T	0.0946	0.087	0.113
Fillet														
Aroclors														
Aroclor 1016	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1221	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1232	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1242	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1248	ug/kg-Wet	5	5	100	19	34	26	26	31	19	34	26	26	31
Aroclor 1254	ug/kg-Wet	5	0	0						27 U	57 U	20.5	18.5 U	26 U
Aroclor 1260	ug/kg-Wet	5	5	100	19	62	36	34	38	19	62	36	34	38
Aroclor 1262	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	5	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	5	5	100	39 T	93 T	62	60 T	72 T	39 T	93 T	62	60 T	72 T
Conventionals														
Lipids	percent-Wet	5	5	100	0.32	1.1	0.818	0.9	0.96	0.32	1.1	0.818	0.9	0.96
Total solids	percent-Wet	5	5	100	21.3	22.7	21.9	21.6	22.4	21.3	22.7	21.9	21.6	22.4
Metals														
Aluminum	mg/kg-Wet	5	5	100	2.54 J	7.15 J	4.09	3.52 J	3.83 J	2.54 J	7.15 J	4.09	3.52 J	3.83 J
Antimony	mg/kg-Wet	5	0	0						0.001 U	0.003 U	0.0009	0.001 U	0.001 U
Arsenic	mg/kg-Wet	5	5	100	0.18	0.28	0.21	0.2	0.2	0.18	0.28	0.21	0.2	0.2
Cadmium	mg/kg-Wet	5	2	40	0.001 J	0.001 J	0.001	0.001 J	0.001 J	0.001 U	0.001 U	0.0007	0.0005 U	0.001 J
Chromium	mg/kg-Wet	5	0	0						0.06 U	0.07 U	0.032	0.03 U	0.035 U
Copper	mg/kg-Wet	5	5	100	0.187	1.12	0.541	0.248	0.935	0.187	1.12	0.541	0.248	0.935
Lead	mg/kg-Wet	5	1	20	0.011	0.011	0.011	0.011	0.011	0.002 U	0.011	0.0034	0.0015 U	0.002 U
Manganese	mg/kg-Wet	5	5	100	0.076	0.094	0.0842	0.084	0.087	0.076	0.094	0.0842	0.084	0.087
Nickel	mg/kg-Wet	5	5	100	0.004 J	0.224	0.073	0.008 J	0.124	0.004 J	0.224	0.073	0.008 J	0.124
Selenium	mg/kg-Wet	5	0	0						0.2 U	0.3 U	0.11	0.1 U	0.1 U
Silver	mg/kg-Wet	5	0	0						0.0002 U	0.0003 U	0.00011	0.0001 U	0.0001 U
Thallium	mg/kg-Wet	5	5	100	0.0025 J	0.0102	0.00446	0.0033 J	0.0035 J	0.0025 J	0.0102	0.00446	0.0033 J	0.0035 J
Zinc	mg/kg-Wet	5	5	100	8 J	10.9 J	9.11	8.67 J	9.6 J	8 J	10.9 J	9.11	8.67 J	9.6 J
Pesticides														
2,4'-DDD	ug/kg-Wet	5	1	20	1.4 NJ	1.4 NJ	1.4	1.4 NJ	1.4 NJ	1 U	1.4 NJ	0.72	0.55 U	0.6 U
2,4'-DDE	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
2,4'-DDT	ug/kg-Wet	5	5	100	2 NJ	5.2 NJ	3.56	3.1 NJ	4.6 J	2 NJ	5.2 NJ	3.56	3.1 NJ	4.6 J
4,4'-DDD	ug/kg-Wet	5	5	100	1.9 N	5	3.58	4.1 J	4.2 J	1.9 N	5	3.58	4.1 J	4.2 J
4,4'-DDE	ug/kg-Wet	5	5	100	12	25	16	14	16	12	25	16	14	16
4,4'-DDT	ug/kg-Wet	5	5	100	5.6	10	7.34	6.6	8.3	5.6	10	7.34	6.6	8.3
Aldrin	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Endosulfan	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Endosulfan	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Hexachlorocyclohexane	ug/kg-Wet	5	1	20	4.5 N	4.5 N	4.5	4.5 N	4.5 N	1 U	4.5 N	1.3	0.5 U	0.5 U
cis-Chlordane	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
cis-Nonachlor	ug/kg-Wet	5	0	0						1.3 U	2.9 U	1.13	1.2 U	1.45 U
delta-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Dieldrin	ug/kg-Wet	5	3	60	1 NJ	3.3 NJ	1.9	1.4 NJ	1.4 NJ	1 U	3.3 NJ	1.34	1 NJ	1.4 NJ
Endosulfan sulfate	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin aldehyde	ug/kg-Wet	5	2	40	1.5 NJ	2 NJ	1.75	1.5 NJ	1.5 NJ	1 UJ	2 NJ	1	0.5 UJ	1.5 NJ
Endrin ketone	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor epoxide	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Methoxychlor	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Mirex	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	5	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Total Chlordanes	ug/kg-Wet	5	3	60	1.8 JT	4.1 JT	2.97	3 JT	3 JT	1.3 UT	4.1 JT	2.2	1.8 JT	3 JT
Total Endosulfan	ug/kg-Wet	5	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	5	5	100	24.2 JT	42 JT	30.8	27.7 JT	33.9 JT	24.2 JT	42 JT	30.8	27.7 JT	33.9 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	5	5	100	1.9 T	6.4 JT	3.86	4.1 JT	4.2 JT	1.9 T	6.4 JT	3.86	4.1 JT	4.2 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	5	5	100	12 T	25 T	16	14 T	16 T	12 T	25 T	16	14 T	16 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	5	5	100	7.6 JT	15.2 JT	10.9	9.5 JT	12.9 JT	7.6 JT	15.2 JT	10.9	9.5 JT	12.9 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	5	5	100	21.1 JT	37.4 JT	26.9	24.8 JT	28.7 JT	21.1 JT	37.4 JT	26.9	24.8 JT	28.7 JT
Toxaphene	ug/kg-Wet	5	0	0						72 U	180 U	58.1	55 U	65 U
trans-Chlordane	ug/kg-Wet	5	0	0						1 U	2.4 U	0.68	0.5 U	0.7 U
trans-Nonachlor	ug/kg-Wet	5	3	60	1.8 NJ	4.1 NJ	2.97	3 NJ	3 NJ	1 U	4.1 NJ	2.12	1.8 NJ	3 NJ
SVOCs														
Hexachlorobenzene	ug/kg-Wet	5	0	0						1 U	1.3 U	0.53	0.5 U	0.5 U
Hexachlorobutadiene	ug/kg-Wet	5	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
Hexachloroethane	ug/kg-Wet	5	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	14	0	0						4.7 U	190 U	22.5	11.5 U	95 U
Aroclor 1221	ug/kg-Wet	14	0	0						4.6 U	190 U	24.6	18 U	95 U

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Table C1-22. Summary Statistics - Smallmouth Bass.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Aroclor 1232	ug/kg-Wet	14	1	7.14	12 J	12 J	12	12 J	12 J	7.6 U	190 U	24.8	19 U	95 U
Aroclor 1242	ug/kg-Wet	14	0	0						5.8 U	190 UJ	23.3	16.5 U	95 UJ
Aroclor 1248	ug/kg-Wet	14	8	57.1	120	460	303	250	410 J	23 U	520 UJ	212	220	410 J
Aroclor 1254	ug/kg-Wet	14	0	0						83 U	2200 UJ	278	195 UJ	650 UJ
Aroclor 1260	ug/kg-Wet	14	14	100	90 J	4500 J	939	370 J	3300 J	90 J	4500 J	939	370 J	3300 J
Aroclor 1262	ug/kg-Wet	14	0	0						3.8 U	190 UJ	21.6	4.75 U	95 UJ
Aroclor 1268	ug/kg-Wet	14	0	0						3.8 U	190 UJ	21.6	4.75 U	95 UJ
Total PCB Aroclors	ug/kg-Wet	14	14	100	90 JT	4500 JT	1110	780 T	3300 JT	90 JT	4500 JT	1110	780 T	3300 JT
Conventionals														
Lipids	percent-Wet	14	14	100	1.5 T	7.2 T	5.44	5.5 T	7 T	1.5 T	7.2 T	5.44	5.5 T	7 T
Total solids	percent-Wet	14	14	100	21.5	32	29.8	30.2	31.5	21.5	32	29.8	30.2	31.5
Dioxin_Furan_Homolog														
Heptachlorodibenzofuran homologs	pg/g-Wet	14	13	92.9	0.107	1.41	0.584	0.426	1.23	0.016 U	1.41	0.543	0.39	1.23
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	14	14	100	0.368	3.48	1.39	1.28	2.98	0.368	3.48	1.39	1.28	2.98
Hexachlorodibenzofuran homologs	pg/g-Wet	14	14	100	0.317	7.79	2.34	1.28	5.8	0.317	7.79	2.34	1.28	5.8
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	14	14	100	0.558	6.85	2.29	1.5	4.69	0.558	6.85	2.29	1.5	4.69
Octachlorodibenzofuran	pg/g-Wet	14	5	35.7	0.104	0.258	0.177	0.173	0.241	0.046 U	0.258	0.096	0.065 U	0.241
Octachlorodibenzo-p-dioxin	pg/g-Wet	14	7	50	0.404	4.44	2.35	1.91	4.38	0.367 U	4.44	1.35	0.4905 U	4.38
Pentachlorodibenzofuran homologs	pg/g-Wet	14	14	100	1.3	21.4	6.17	3.09	19.5	1.3	21.4	6.17	3.09	19.5
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	14	14	100	0.596	3.05	1.24	1.09	1.89	0.596	3.05	1.24	1.09	1.89
Tetrachlorodibenzofuran homologs	pg/g-Wet	14	14	100	0.693	9.24	3.68	2.56	7.26	0.693	9.24	3.68	2.56	7.26
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	14	14	100	0.393	1.67	0.76	0.702	1.09	0.393	1.67	0.76	0.702	1.09
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	14	13	92.9	0.039 J	0.393	0.18	0.138	0.339	0.039 J	0.393	0.17	0.136	0.339
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.138	2.58	0.892	0.772	2.13	0.138	2.58	0.892	0.772	2.13
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	14	11	78.6	0.016	0.078	0.0306	0.023	0.058 J	0.016 U	0.078	0.0258	0.019 J	0.058 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	14	14	100	0.053	1.84	0.636	0.34	1.74	0.053	1.84	0.636	0.34	1.74
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.059	0.452	0.228	0.179	0.398	0.059	0.452	0.228	0.179	0.398
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	14	14	100	0.027 J	0.668	0.206	0.115	0.531	0.027 J	0.668	0.206	0.115	0.531
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.352	5.55	1.79	1.13	3.71	0.352	5.55	1.79	1.13	3.71
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	14	3	21.4	0.018	0.022	0.02	0.02 J	0.02 J	0.011 U	0.022	0.00861	0.0055 U	0.02 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.022 J	0.342	0.124	0.095	0.244	0.022 J	0.342	0.124	0.095	0.244
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	14	14	100	0.147	3.31	1.03	0.587	3.2	0.147	3.31	1.03	0.587	3.2
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.559	2.96	1.22	1.08	1.88	0.559	2.96	1.22	1.08	1.88
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	14	14	100	0.021	0.27	0.103	0.07	0.221	0.021	0.27	0.103	0.07	0.221
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	14	14	100	0.772	13.5	2.87	1.41	5.55	0.772	13.5	2.87	1.41	5.55
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	14	14	100	0.497	8.2	3.12	2.04	6.78	0.497	8.2	3.12	2.04	6.78
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	14	14	100	0.386	1.49	0.724	0.66	1.07	0.386	1.49	0.724	0.66	1.07
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	14	14	100	1.45 JT	10.4 JT	4.07	3.19 JT	8.92 T	1.45 JT	10.4 JT	4.07	3.19 JT	8.92 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	14	14	100	7.92 T	33.9 T	15.7	12.2 T	26.5 T	7.92 T	33.9 T	15.7	12.2 T	26.5 T
Total PCDD/F	pg/g-Wet	14	14	100	4.74 T	48.7 T	19.6	13.9 T	47.4 T	4.74 T	48.7 T	19.6	13.9 T	47.4 T
Total TCDD toxicity equivalent	pg/g-Wet	14	14	100	9.37 JT	38.1 T	19.7	17.1 JT	29.9 T	9.37 JT	38.1 T	19.7	17.1 JT	29.9 T
Metals														
Aluminum	mg/kg-Wet	14	14	100	2.12 J	11 J	5.6	4.78 J	10.2 J	2.12 J	11 J	5.6	4.78 J	10.2 J
Antimony	mg/kg-Wet	14	2	14.3	0.001 J	0.001 J	0.001	0.001 J	0.001 J	0.001 J	0.004 U	0.001	0.001 J	0.0015 U
Arsenic	mg/kg-Wet	14	14	100	0.17	0.39	0.264	0.25	0.34	0.17	0.39	0.264	0.25	0.34
Cadmium	mg/kg-Wet	14	10	71.4	0.002 J	0.024 J	0.0073	0.004 J	0.009 J	0.002 J	0.024 J	0.00554	0.003 J	0.009 J
Chromium	mg/kg-Wet	14	12	85.7	0.17	1.14	0.58	0.44	1.03	0.06 U	1.14	0.503	0.41	1.03
Copper	mg/kg-Wet	14	14	100	0.365	1.29	0.652	0.519	0.953	0.365	1.29	0.652	0.519	0.953
Lead	mg/kg-Wet	14	14	100	0.0048 J	0.303 J	0.0423	0.007	0.133 J	0.0048 J	0.303 J	0.0423	0.007	0.133 J
Manganese	mg/kg-Wet	14	14	100	0.445 J	2.65	1.25	1 T	2.05	0.445 J	2.65	1.25	1 T	2.05
Mercury	mg/kg-Wet	14	14	100	0.052	0.114	0.0831	0.078	0.106	0.052	0.114	0.0831	0.078	0.106
Nickel	mg/kg-Wet	14	7	50	0.07	0.2	0.127	0.13	0.16	0.02 U	0.2	0.0746	0.035 U	0.16
Selenium	mg/kg-Wet	14	3	21.4	0.3 T	0.4	0.333	0.3	0.3	0.2 U	0.4	0.186	0.15 U	0.3
Silver	mg/kg-Wet	14	0	0						0.0002 U	0.007 U	0.00186	0.00185 UJ	0.00275 UJ
Thallium	mg/kg-Wet	14	14	100	0.002 J	0.0085	0.00431	0.0035 JT	0.0077	0.002 J	0.0085	0.00431	0.0035 JT	0.0077
Zinc	mg/kg-Wet	14	14	100	13.4	16.3	14.7	14.5	16	13.4	16.3	14.7	14.5	16
PAHs														
2-Methylnaphthalene	ug/kg-Wet	14	4	28.6	43 T	59 T	48.3	45 T	46 T	30 UT	59 T	25	16 UT	46 T
Acenaphthene	ug/kg-Wet	14	4	28.6	36 T	95 T	57	40 T	57 T	30 UT	95 T	29.3	16 UT	57 T
Acenaphthylene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Anthracene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Chrysene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	14	1	7.14	36 T	36 T	36	36 T	36 T	25 UT	36 T	16.9	15.5 UT	16.5 UT
Fluorene	ug/kg-Wet	14	3	21.4	31 JT	69 T	49.7	49 T	49 T	25 UT	69 T	22.8	16 UT	49 T
High Molecular Weight PAH	ug/kg-Wet	14	1	7.14	75 T	75 T	75	75 T	75 T	25 UT	75 T	19.7	15.5 UT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	14	7	50	31 JT	308 T	120	45 T	252 T	30 UT	308 T	67.9	16 UT	252 T
Naphthalene	ug/kg-Wet	14	2	14.3	51 T	86 T	68.5	51 T	51 T	30 UT	86 T	23.3	16 UT	51 T
Phenanthrene	ug/kg-Wet	14	2	14.3	49 T	85 T	67	49 T	49 T	25 UT	85 T	22.8	15.5 UT	49 T
Pyrene	ug/kg-Wet	14	1	7.14	39 T	39 T	39	39 T	39 T	25 UT	39 T	17.1	15.5 UT	16.5 UT
Total PAHs	ug/kg-Wet	14	7	50	31 JT	308 T	131	111 T	252 T	30 UT	308 T	73.3	16 UT	252 T

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Table C1-22. Summary Statistics - Smallmouth Bass.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB_Congeners														
PCB001	ug/kg-Wet	10	10	100	0.00496 T	0.0261	0.0133	0.00925	0.0205 J	0.00496 T	0.0261	0.0133	0.00925	0.0205 J
PCB002	ug/kg-Wet	10	7	70	0.00158	0.00612	0.00339	0.00202	0.00586 J	0.00158	0.00612	0.00264	0.00194 J	0.00586 J
PCB003	ug/kg-Wet	10	10	100	0.00236	0.0161 J	0.00734	0.00429	0.0153 J	0.00236	0.0161 J	0.00734	0.00429	0.0153 J
PCB004	ug/kg-Wet	14	14	100	0.0872 JT	0.733	0.472	0.45	0.705 J	0.0872 JT	0.733	0.472	0.45	0.705 J
PCB005	ug/kg-Wet	14	12	85.7	0.00213	0.0219	0.00624	0.00394 JT	0.00997	0.00199 UJT	0.0219	0.00551	0.00317	0.00997
PCB006	ug/kg-Wet	14	14	100	0.011 JT	0.267	0.0743	0.0439	0.13	0.011 JT	0.267	0.0743	0.0439	0.13
PCB007	ug/kg-Wet	14	13	92.9	0.00642	0.0507	0.0141	0.0103	0.0228	0.00316 UJT	0.0507	0.0132	0.00841	0.0228
PCB008	ug/kg-Wet	14	14	100	0.0473 JT	1.3	0.331	0.193 J	0.634	0.0473 JT	1.3	0.331	0.193 J	0.634
PCB009	ug/kg-Wet	14	14	100	0.00256 JT	0.0904	0.0226	0.0146	0.0403	0.00256 JT	0.0904	0.0226	0.0146	0.0403
PCB010	ug/kg-Wet	14	14	100	0.00473 JT	0.0534	0.0229	0.018	0.0455 J	0.00473 JT	0.0534	0.0229	0.018	0.0455 J
PCB011	ug/kg-Wet	14	14	100	0.0875 JT	0.287	0.185	0.184	0.275 J	0.0875 JT	0.287	0.185	0.184	0.275 J
PCB012 & 013	ug/kg-Wet	14	12	85.7	0.00692 J	0.0243 J	0.0126	0.0103 J	0.0188 J	0.00446 UJT	0.0243 J	0.0112	0.00855 J	0.0188 J
PCB014	ug/kg-Wet	14	0	0						0.000375 U	0.00384 U	0.00138	0.00157 U	0.001605 U
PCB015	ug/kg-Wet	14	14	100	0.0231 T	0.297	0.1	0.0667	0.21	0.0231 T	0.297	0.1	0.0667	0.21
PCB016	ug/kg-Wet	14	14	100	0.0716 T	1.76	0.488	0.336	0.777	0.0716 T	1.76	0.488	0.336	0.777
PCB017	ug/kg-Wet	14	14	100	0.137 T	2.9	1.07	0.824	1.53	0.137 T	2.9	1.07	0.824	1.53
PCB018 & 030	ug/kg-Wet	14	14	100	0.202 JT	4.93 J	1.53	1.01 J	2.48 J	0.202 JT	4.93 J	1.53	1.01 J	2.48 J
PCB019	ug/kg-Wet	14	14	100	0.168 T	1.81	0.831	0.76	1.58	0.168 T	1.81	0.831	0.76	1.58
PCB020 & 028	ug/kg-Wet	14	14	100	0.985 JT	16.9 J	6.02	3.84 J	10 J	0.985 JT	16.9 J	6.02	3.84 J	10 J
PCB021 & 033	ug/kg-Wet	14	14	100	0.148 JT	4.32 J	1.15	0.69 J	1.93 J	0.148 JT	4.32 J	1.15	0.69 J	1.93 J
PCB022	ug/kg-Wet	14	14	100	0.183 T	3.03	0.96	0.637	1.7	0.183 T	3.03	0.96	0.637	1.7
PCB023	ug/kg-Wet	14	7	50	0.00183	0.0128	0.00557	0.00509	0.00657	0.00183	0.0128	0.00374	0.001985 U	0.00657
PCB024	ug/kg-Wet	14	13	92.9	0.00704	0.0683	0.0235	0.0158	0.0419	0.00418 UT	0.0683	0.022	0.0144	0.0419
PCB025	ug/kg-Wet	14	14	100	0.0552 T	2.52	0.402	0.167	0.698	0.0552 T	2.52	0.402	0.167	0.698
PCB026 & 029	ug/kg-Wet	14	14	100	0.132 JT	5.21 J	1.04	0.461 J	2.19 J	0.132 JT	5.21 J	1.04	0.461 J	2.19 J
PCB027	ug/kg-Wet	14	14	100	0.032 T	0.439	0.203	0.181	0.291	0.032 T	0.439	0.203	0.181	0.291
PCB031	ug/kg-Wet	14	14	100	0.482 T	8.85	2.74	1.87	4.48	0.482 T	8.85	2.74	1.87	4.48
PCB032	ug/kg-Wet	14	14	100	0.1 T	1.94	0.723	0.563	1.2	0.1 T	1.94	0.723	0.563	1.2
PCB034	ug/kg-Wet	14	14	100	0.00425 T	0.0391	0.0164	0.0111	0.0285	0.00425 T	0.0391	0.0164	0.0111	0.0285
PCB035	ug/kg-Wet	14	4	28.6	0.0193 J	0.0519	0.0305	0.022	0.0289	0.000401 U	0.0519	0.00942	0.001175 U	0.0289
PCB036	ug/kg-Wet	14	4	28.6	0.0115	0.825	0.378	0.293	0.382	0.000395 U	0.825	0.109	0.001975 U	0.382
PCB037	ug/kg-Wet	14	14	100	0.0603 T	0.74	0.28	0.19	0.494	0.0603 T	0.74	0.28	0.19	0.494
PCB038	ug/kg-Wet	14	12	85.7	0.00238 J	0.0264	0.00877	0.00493 J	0.0157	0.00238 J	0.0264	0.00773	0.00461	0.0157
PCB039	ug/kg-Wet	14	11	78.6	0.00843 JT	0.129	0.0416	0.0339 T	0.0778	0.00336 U	0.129	0.033	0.0235	0.0778
PCB040 & 041 & 071	ug/kg-Wet	14	14	100	0.87 JT	11.5 J	3.85	2.66 J	7.54 J	0.87 JT	11.5 J	3.85	2.66 J	7.54 J
PCB042	ug/kg-Wet	14	14	100	0.67 T	7.25	2.33	1.68	4.62	0.67 T	7.25	2.33	1.68	4.62
PCB043	ug/kg-Wet	14	14	100	0.0572 T	0.993	0.4	0.366	0.826	0.0572 T	0.993	0.4	0.366	0.826
PCB044 & 047 & 065	ug/kg-Wet	14	14	100	3.6 JT	34.5 J	15.5	11.5 J	29.1 J	3.6 JT	34.5 J	15.5	11.5 J	29.1 J
PCB045 & 051	ug/kg-Wet	14	14	100	0.265 JT	2.55 J	1.38	1.17 J	2.41 J	0.265 JT	2.55 J	1.38	1.17 J	2.41 J
PCB046	ug/kg-Wet	14	14	100	0.0344 T	0.457	0.192	0.147 T	0.419	0.0344 T	0.457	0.192	0.147 T	0.419
PCB048	ug/kg-Wet	14	14	100	0.347 T	4.58	1.72	1.38 T	3.8	0.347 T	4.58	1.72	1.38 T	3.8
PCB049 & 069	ug/kg-Wet	14	14	100	2.54 JT	25.6 J	10.6	7.87 J	16.1 J	2.54 JT	25.6 J	10.6	7.87 J	16.1 J
PCB050 & 053	ug/kg-Wet	14	14	100	0.23 JT	2.06 J	1.1	0.982 J	1.7 J	0.23 JT	2.06 J	1.1	0.982 J	1.7 J
PCB052	ug/kg-Wet	14	14	100	4.12 T	41	15.6	11.9 T	25.7	4.12 T	41	15.6	11.9 T	25.7
PCB054	ug/kg-Wet	14	14	100	0.0273 T	0.381	0.154	0.119	0.329	0.0273 T	0.381	0.154	0.119	0.329
PCB055	ug/kg-Wet	14	4	28.6	0.0584	0.144	0.115	0.121	0.138	0.00194 U	0.144	0.0345	0.00246 U	0.138
PCB056	ug/kg-Wet	14	14	100	0.615	6.26	1.77	1.22	3.43	0.615	6.26	1.77	1.22	3.43
PCB057	ug/kg-Wet	14	14	100	0.0199	0.146	0.0594	0.039	0.122	0.0199	0.146	0.0594	0.039	0.122
PCB058	ug/kg-Wet	14	11	78.6	0.0132	0.575	0.168	0.0609	0.488	0.00588 U	0.575	0.133	0.0246	0.488
PCB059 & 062 & 075	ug/kg-Wet	14	14	100	0.275 JT	2.63 J	0.965	0.741 JT	1.79 J	0.275 JT	2.63 J	0.965	0.741 JT	1.79 J
PCB060	ug/kg-Wet	14	14	100	1.02 T	10.4	3.18	2.15 T	5.72	1.02 T	10.4	3.18	2.15 T	5.72
PCB061 & 070 & 074 & 076	ug/kg-Wet	14	14	100	5.65 J	50.4 J	16.4	11.1 J	29.2 J	5.65 J	50.4 J	16.4	11.1 J	29.2 J
PCB063	ug/kg-Wet	14	14	100	0.282	2.03	0.778	0.597 T	1.44	0.282	2.03	0.778	0.597 T	1.44
PCB064	ug/kg-Wet	14	14	100	1.37 T	16.1	4.77	3.34	9.11	1.37 T	16.1	4.77	3.34	9.11
PCB066	ug/kg-Wet	14	14	100	5.01	53.2	15.4	11	24.6	5.01	53.2	15.4	11	24.6
PCB067	ug/kg-Wet	14	14	100	0.0802 T	0.461	0.216	0.152	0.405	0.0802 T	0.461	0.216	0.152	0.405
PCB068	ug/kg-Wet	14	14	100	0.0651	0.364	0.139	0.127	0.222	0.0651	0.364	0.139	0.127	0.222
PCB072	ug/kg-Wet	14	14	100	0.0827 T	0.638	0.222	0.176	0.334	0.0827 T	0.638	0.222	0.176	0.334
PCB073	ug/kg-Wet	14	4	28.6	0.0371 T	0.251	0.123	0.0851	0.117	0.000613 U	0.251	0.0368	0.00316 U	0.117
PCB077	ug/kg-Wet	14	14	100	0.174 T	1.27	0.414	0.27	0.781	0.174 T	1.27	0.414	0.27	0.781
PCB078	ug/kg-Wet	14	5	35.7	0.00972 T	0.637	0.139	0.0174	0.0202	0.00196 U	0.637	0.0508	0.00211 U	0.0202
PCB079	ug/kg-Wet	14	14	100	0.0647	0.483	0.181	0.139	0.272	0.0647	0.483	0.181	0.139	0.272
PCB080	ug/kg-Wet	14	0	0						0.00183 U	0.00739 U	0.00272	0.00303 U	0.0031 U
PCB081	ug/kg-Wet	14	14	100	0.0107	0.0569	0.0242	0.0143	0.0567	0.0107	0.0569	0.0242	0.0143	0.0567
PCB082	ug/kg-Wet	14	14	100	0.492	3.17	1.16	0.789	2.1	0.492	3.17	1.16	0.789	2.1
PCB083 & 099	ug/kg-Wet	14	14	100	9.64 JT	72.2 J	25.6	19.7 J	40.4 J	9.64 JT	72.2 J	25.6	19.7 J	40.4 J
PCB084	ug/kg-Wet	14	14	100	1.05	5.41	2.28	1.94	3.74	1.05	5.41	2.28	1.94	3.74
PCB085 & 116 & 117	ug/kg-Wet	14	14	100	2.71 JT	13.1 J	5.61	4.66 J	9.91 J	2.71 JT	13.1 J	5.61	4.66 J	9.91 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	14	14	100	6.52 JT	29.3 J	14	9.57 J	27.5 J	6.52 JT	29.3 J	14	9.57 J	27.5 J
PCB088 & 091	ug/kg-Wet	14	14	100	1.48 JT	10.7 J	3.33	2.32 J	5.79 J	1.48 JT	10.7 J	3.33	2.32 J	5.79 J
PCB089	ug/kg-Wet	14	14	100	0.035 T	0.412	0.113	0.0774	0.213	0.035 T	0.412	0.113	0.0774	0.213
PCB090 & 101 & 113	ug/kg-Wet	14	14	100	13.1 JT	147 J	39.9	22.3 J	100 J	13.1 JT	147 J	39.9	22.3 J	100 J
PCB092	ug/kg-Wet	14	14	100	2.56 T	29.7	7.89	5.31	15.2	2.56 T	29.7	7.89	5.31	15.2
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	14	14	100	6.18 JT	53.5 J	16.5	11.5 J	33.8 J	6.18 JT	53.5 J	16.5	11.5 J	33.8 J
PCB094	ug/kg-Wet	14	14	100	0.0373 T	0.469	0.114	0.0783	0.19	0.0373 T	0.469	0.114	0.0783	0.19
PCB096	ug/kg-Wet	14	14	100	0.038 T	0.402	0.153	0.143	0.279	0.038 T	0.402	0.153	0.143	0.279
PCB103	ug/kg-Wet	14	14	100	0.207	4.1	0.766	0.423	1.63	0.207	4.1	0.766	0.423	1.63

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Table C1-22. Summary Statistics - Smallmouth Bass.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB104	ug/kg-Wet	14	13	92.9	0.0079	0.0588	0.0199	0.0151	0.0297	0.00615 UT	0.0588	0.0187	0.015	0.0297
PCB105	ug/kg-Wet	14	14	100	4.46 T	20	9.75	8.13	18.5	4.46 T	20	9.75	8.13	18.5
PCB106	ug/kg-Wet	14	0	0						0.00143 U	0.0134 U	0.00439	0.004855 U	0.0056 U
PCB107 & 124	ug/kg-Wet	14	14	100	0.271 J	1.16 J	0.561	0.464 J	1.16 J	0.271 J	1.16 J	0.561	0.464 J	1.16 J
PCB109	ug/kg-Wet	14	14	100	1.52 T	6.07	2.73	2.06	4.27	1.52 T	6.07	2.73	2.06	4.27
PCB110 & 115	ug/kg-Wet	14	14	100	10.7 JT	56.9 J	23.1	17.4 JT	39.2 J	10.7 JT	56.9 J	23.1	17.4 JT	39.2 J
PCB111	ug/kg-Wet	14	14	100	0.0262	0.299	0.0714	0.0433	0.174	0.0262	0.299	0.0714	0.0433	0.174
PCB112	ug/kg-Wet	14	2	14.3	0.117	0.173	0.145	0.117	0.117	0.000842 U	0.173	0.0232	0.00342 U	0.117
PCB114	ug/kg-Wet	14	14	100	0.339	1.55	0.716	0.586	1.24	0.339	1.55	0.716	0.586	1.24
PCB118	ug/kg-Wet	14	14	100	14 T	60.5	31.3	23.3 T	51.8	14 T	60.5	31.3	23.3 T	51.8
PCB120	ug/kg-Wet	14	14	100	0.114	1.51	0.341	0.189	0.893	0.114	1.51	0.341	0.189	0.893
PCB121	ug/kg-Wet	14	14	100	0.019 T	0.182	0.0559	0.0348	0.0991	0.019 T	0.182	0.0559	0.0348	0.0991
PCB122	ug/kg-Wet	14	14	100	0.0549	0.23	0.106	0.0818 T	0.199	0.0549	0.23	0.106	0.0818 T	0.199
PCB123	ug/kg-Wet	14	14	100	0.227	1.09	0.455	0.388	0.839	0.227	1.09	0.455	0.388	0.839
PCB126	ug/kg-Wet	14	14	100	0.0408	0.103	0.0659	0.0551	0.101	0.0408	0.103	0.0659	0.0551	0.101
PCB127	ug/kg-Wet	14	13	92.9	0.0234 J	5.37	0.642	0.0504	2.31	0.00974 U	5.37	0.596	0.0476	2.31
PCB128 & 166	ug/kg-Wet	14	14	100	3.51 J	29.3 J	8.3	5 J	18 J	3.51 J	29.3 J	8.3	5 J	18 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	14	14	100	29.4 J	516 J	115	50.3 J	405 J	29.4 J	516 J	115	50.3 J	405 J
PCB130	ug/kg-Wet	14	14	100	1.39	12.6	3.45	1.68	11	1.39	12.6	3.45	1.68	11
PCB131	ug/kg-Wet	14	14	100	0.0823	1.05	0.275	0.136	0.941	0.0823	1.05	0.275	0.136	0.941
PCB132	ug/kg-Wet	14	14	100	2.85	62.2	11.4	4.52	38.9	2.85	62.2	11.4	4.52	38.9
PCB133	ug/kg-Wet	14	14	100	0.597	8.43	2.05	1.16	6.21	0.597	8.43	2.05	1.16	6.21
PCB134 & 143	ug/kg-Wet	14	13	92.9	0.616 J	11.7 J	2.29	0.885 J	8.22 J	0.0103 U	11.7 J	2.13	0.803 J	8.22 J
PCB135 & 151 & 154	ug/kg-Wet	14	14	100	6.73 J	159 J	29.4	12.2 J	101 J	6.73 J	159 J	29.4	12.2 J	101 J
PCB136	ug/kg-Wet	14	14	100	1.38 T	36	6.1	2.1	21.5	1.38 T	36	6.1	2.1	21.5
PCB137	ug/kg-Wet	14	14	100	1.36 T	3.61	2.19	1.69	3.56	1.36 T	3.61	2.19	1.69	3.56
PCB139 & 140	ug/kg-Wet	14	14	100	0.449 JT	3.84 J	1.02	0.63 J	1.67 J	0.449 JT	3.84 J	1.02	0.63 J	1.67 J
PCB141	ug/kg-Wet	14	14	100	3.96	91.3	18.1	7.68	66.3	3.96	91.3	18.1	7.68	66.3
PCB142	ug/kg-Wet	14	0	0						0.00134 U	0.0341 U	0.00439	0.00301 UT	0.0104 U
PCB144	ug/kg-Wet	14	14	100	0.758 T	18.5	3.53	1.28	15.5	0.758 T	18.5	3.53	1.28	15.5
PCB145	ug/kg-Wet	14	12	85.7	0.00258	0.0116	0.00525	0.00411	0.00773	0.00236 U	0.0116	0.00467	0.00397 JT	0.00773
PCB146	ug/kg-Wet	14	14	100	5.57	94.3	21.8	10.9	80.4	5.57	94.3	21.8	10.9	80.4
PCB147 & 149	ug/kg-Wet	14	14	100	9.19 JT	188 J	36	15 J	126 J	9.19 JT	188 J	36	15 J	126 J
PCB148	ug/kg-Wet	14	14	100	0.0669	1.21	0.239	0.125	0.502	0.0669	1.21	0.239	0.125	0.502
PCB150	ug/kg-Wet	14	14	100	0.0262	0.723	0.116	0.0529	0.271	0.0262	0.723	0.116	0.0529	0.271
PCB152	ug/kg-Wet	14	14	100	0.0192 T	0.32	0.0701	0.0405	0.123	0.0192 T	0.32	0.0701	0.0405	0.123
PCB153 & 168	ug/kg-Wet	14	14	100	34.6 J	633 J	142	65.4 J	538 J	34.6 J	633 J	142	65.4 J	538 J
PCB155	ug/kg-Wet	14	14	100	0.00967	0.0822	0.0275	0.0179	0.0496	0.00967	0.0822	0.0275	0.0179	0.0496
PCB156	ug/kg-Wet	14	14	100	2.51 T	29.2	7.78	4.4	25.6	2.51 T	29.2	7.78	4.4	25.6
PCB157	ug/kg-Wet	14	14	100	0.425 T	2	0.863	0.638 T	1.49	0.425 T	2	0.863	0.638 T	1.49
PCB158	ug/kg-Wet	14	14	100	2.89	40	9.46	4.67	33.1	2.89	40	9.46	4.67	33.1
PCB159	ug/kg-Wet	14	13	92.9	0.0985 T	3.37	0.605	0.182	2.41	0.00538 U	3.37	0.562	0.168	2.41
PCB161	ug/kg-Wet	14	0	0						0.000905 U	0.0232 U	0.00376	0.003335 U	0.00705 U
PCB162	ug/kg-Wet	14	14	100	0.0905	0.559	0.204	0.142	0.449	0.0905	0.559	0.204	0.142	0.449
PCB164	ug/kg-Wet	14	14	100	1.23	22.3	4.47	1.83	15.4	1.23	22.3	4.47	1.83	15.4
PCB165	ug/kg-Wet	14	14	100	0.0291	0.328	0.0855	0.0527	0.203	0.0291	0.328	0.0855	0.0527	0.203
PCB167	ug/kg-Wet	14	14	100	1.13	11.8	3.19	1.64	11.3	1.13	11.8	3.19	1.64	11.3
PCB169	ug/kg-Wet	14	14	100	0.00237	0.00652	0.00372	0.00319	0.00616	0.00237	0.00652	0.00372	0.00319	0.00616
PCB170	ug/kg-Wet	14	14	100	6.44	216	40.9	13.5	162	6.44	216	40.9	13.5	162
PCB171 & 173	ug/kg-Wet	14	14	100	1.78 J	66.4 J	11.9	3.51 J	45.6 J	1.78 J	66.4 J	11.9	3.51 J	45.6 J
PCB172	ug/kg-Wet	14	14	100	1.24	33.4	6.96	2.71	29.6	1.24	33.4	6.96	2.71	29.6
PCB174	ug/kg-Wet	14	14	100	2.28	98.4	16.1	4.54	67.2	2.28	98.4	16.1	4.54	67.2
PCB175	ug/kg-Wet	14	14	100	0.221	7.26	1.43	0.502	6.43	0.221	7.26	1.43	0.502	6.43
PCB176	ug/kg-Wet	14	14	100	0.263 T	10.5	1.76	0.538	7.81	0.263 T	10.5	1.76	0.538	7.81
PCB177	ug/kg-Wet	14	14	100	2.31	93.7	17.6	5.59	86.4	2.31	93.7	17.6	5.59	86.4
PCB178	ug/kg-Wet	14	14	100	1.57	38.1	8.05	3.26	31.7	1.57	38.1	8.05	3.26	31.7
PCB179	ug/kg-Wet	14	14	100	1.45	54.1	8.6	2.26	32.7	1.45	54.1	8.6	2.26	32.7
PCB180 & 193	ug/kg-Wet	14	14	100	19.4 J	536 J	110	44.1 J	444 J	19.4 J	536 J	110	44.1 J	444 J
PCB181	ug/kg-Wet	14	14	100	0.0664	0.994	0.249	0.145	0.761	0.0664	0.994	0.249	0.145	0.761
PCB182	ug/kg-Wet	14	14	100	0.0411	0.78	0.163	0.0912	0.375	0.0411	0.78	0.163	0.0912	0.375
PCB183 & 185	ug/kg-Wet	14	14	100	5.01 J	165 J	30.7	11.3 J	121 J	5.01 J	165 J	30.7	11.3 J	121 J
PCB184	ug/kg-Wet	14	14	100	0.00793	0.0568	0.0168	0.0116	0.0319	0.00793	0.0568	0.0168	0.0116	0.0319
PCB186	ug/kg-Wet	14	0	0						0.00048 U	0.00413 U	0.00173	0.002 U	0.002065 U
PCB187	ug/kg-Wet	14	14	100	9.99 T	252	51.7	21.9	211	9.99 T	252	51.7	21.9	211
PCB188	ug/kg-Wet	14	14	100	0.0183	0.304	0.0688	0.0368	0.182	0.0183	0.304	0.0688	0.0368	0.182
PCB189	ug/kg-Wet	14	14	100	0.22	7.02	1.46	0.533	6.62	0.22	7.02	1.46	0.533	6.62
PCB190	ug/kg-Wet	14	14	100	1.5	47.9	9.09	3.26	34.1	1.5	47.9	9.09	3.26	34.1
PCB191	ug/kg-Wet	14	14	100	0.3	9.19	1.88	0.695	8.08	0.3	9.19	1.88	0.695	8.08
PCB192	ug/kg-Wet	14	0	0						0.00052 U	0.00373 U	0.00157	0.001805 U	0.001865 U
PCB194	ug/kg-Wet	14	14	100	2.22	74.2	15.2	5.49	68	2.22	74.2	15.2	5.49	68
PCB195	ug/kg-Wet	14	14	100	0.847	37.3	7.11	2.47	30.3	0.847	37.3	7.11	2.47	30.3
PCB196	ug/kg-Wet	14	14	100	1.45	44.2	9.19	3.15	39.6	1.45	44.2	9.19	3.15	39.6
PCB197 & 200	ug/kg-Wet	14	14	100	0.218 J	7.07 J	1.35	0.471 J	5.76 J	0.218 J	7.07 J	1.35	0.471 J	5.76 J
PCB198 & 199	ug/kg-Wet	14	14	100	2.82 JT	65.6 J	14.5	5.68 J	62.5 J	2.82 JT	65.6 J	14.5	5.68 J	62.5 J
PCB201	ug/kg-Wet	14	14	100	0.298	7.9	1.67	0.636	7.17	0.298	7.9	1.67	0.636	7.17
PCB202	ug/kg-Wet	14	14	100	0.732	12	2.76	1.35	9.74	0.732	12	2.76	1.35	9.74
PCB203	ug/kg-Wet	14	14	100	2.04	48.7	9.83	3.94	33.3	2.04	48.7	9.83	3.94	33.3
PCB204	ug/kg-Wet	14	4	28.6	0.00325	0.0156	0.00919	0.00361	0.0143	0.00325	0.0156	0.00596	0.004815 U	0.0143

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Table C1-22. Summary Statistics - Smallmouth Bass.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB205	ug/kg-Wet	14	14	100	0.105	4	0.73	0.253	2.85	0.105	4	0.73	0.253	2.85
PCB206	ug/kg-Wet	14	14	100	0.683 T	9.89	2.41	1.41	6.84	0.683 T	9.89	2.41	1.41	6.84
PCB207	ug/kg-Wet	14	14	100	0.105	1.48	0.391	0.235	1.28	0.105	1.48	0.391	0.235	1.28
PCB208	ug/kg-Wet	14	14	100	0.223 T	1.87	0.625	0.393	1.57	0.223 T	1.87	0.625	0.393	1.57
PCB209	ug/kg-Wet	14	14	100	0.18	0.825 T	0.38	0.355	0.551	0.18	0.825 T	0.38	0.355	0.551
Total PCB Congeners	ug/kg-Wet	14	14	100	344 JT	4530 JT	1120	549 JT	3480 JT	344 JT	4530 JT	1120	549 JT	3480 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	14	14	100	0.263 JT	3.01 JT	1.24	1.08 JT	1.8 JT	0.263 JT	3.01 JT	1.24	1.08 JT	1.8 JT
Heptachlorobiphenyl homologs	ug/kg-Wet	14	14	100	54.2 JT	1640 JT	319	125 JT	1300 JT	54.2 JT	1640 JT	319	125 JT	1300 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	14	14	100	115 JT	1980 JT	430	194 JT	1530 JT	115 JT	1980 JT	430	194 JT	1530 JT
Monochlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.00744 T	0.0464 JT	0.023	0.0179 JT	0.0417 JT	0.00744 T	0.0464 JT	0.023	0.0179 JT	0.0417 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	14	14	100	1.03 T	13.2 T	3.42	2.03 T	9.69 T	1.03 T	13.2 T	3.42	2.03 T	9.69 T
Octachlorobiphenyl homologs	ug/kg-Wet	14	14	100	10.8 JT	301 JT	62.3	23.7 JT	259 JT	10.8 JT	301 JT	62.3	23.7 JT	259 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	14	14	100	76.5 JT	494 JT	187	126 JT	304 JT	76.5 JT	494 JT	187	126 JT	304 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	14	14	100	29.5 JT	275 JT	97.6	71.1 JT	161 JT	29.5 JT	275 JT	97.6	71.1 JT	161 JT
Trichlorobiphenyl homologs	ug/kg-Wet	14	14	100	2.77 JT	49.8 JT	17.6	11.9 JT	26.4 JT	2.77 JT	49.8 JT	17.6	11.9 JT	26.4 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	14	3	21.4	9.6 JT	29 T	17.2	13 JT	13 JT	4.9 UT	29 T	6.61	4.3 UT	13 JT
2,4'-DDE	ug/kg-Wet	14	0	0						1 UT	7.5 UT	2.41	2 UT	3.75 UT
2,4'-DDT	ug/kg-Wet	14	2	14.3	17 JT	30 T	23.5	17 JT	17 JT	6.9 UT	30 T	6.31	3.45 UT	17 JT
4,4'-DDD	ug/kg-Wet	14	14	100	11 JT	110 T	37.9	31 JT	58 T	11 JT	110 T	37.9	31 JT	58 T
4,4'-DDE	ug/kg-Wet	14	14	100	53 JT	220 T	132	128 JT	190 T	53 JT	220 T	132	128 JT	190 T
4,4'-DDT	ug/kg-Wet	14	9	64.3	7.3 JT	130 T	43.4	27 T	98 T	6.3 UT	130 T	29	15 JT	98 T
Aldrin	ug/kg-Wet	14	0	0						1 UT	13 UT	2.54	2 UT	6.5 UT
alpha-Endosulfan	ug/kg-Wet	14	1	7.14	8.4 J	8.4 J	8.4	8.4 J	8.4 J	1 U	20 U	2.94	2 U	8.4 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	14	0	0						1 UT	6.4 UT	1.94	2 UT	3.2 UT
beta-Endosulfan	ug/kg-Wet	14	0	0						1 UJT	20 UT	3.05	2 UT	10 UT
beta-Hexachlorocyclohexane	ug/kg-Wet	14	0	0						1.2 UJT	8.5 UT	2.93	2 UT	4.25 UT
cis-Chlordane	ug/kg-Wet	14	2	14.3	5.4 NJ	5.6 NJ	5.5	5.4 NJ	5.4 NJ	1.2 UJ	20 U	3.69	2 U	10 U
cis-Nonachlor	ug/kg-Wet	14	0	0						7.1 UT	7.1 UT	3.55	3.55 UT	3.55 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	14	0	0						1 UT	7.3 UT	2.03	2 UT	3.65 UT
Dieldrin	ug/kg-Wet	14	1	7.14	7.3 JT	7.3 JT	7.3	7.3 JT	7.3 JT	4 UT	20 UT	6.35	7 UT	10 UT
Endosulfan sulfate	ug/kg-Wet	14	0	0						1 UJT	20 UT	3.04	2 UT	10 UT
Endrin aldehyde	ug/kg-Wet	14	0	0						1 UJT	20 UT	3.13	2 UT	10 UT
Endrin ketone	ug/kg-Wet	14	0	0						1 UJT	20 UT	2.95	2 UT	10 UT
Endrin	ug/kg-Wet	14	0	0						1 UJT	31 UT	5.01	2 UT	15.5 UT
gamma-Hexachlorocyclohexane	ug/kg-Wet	14	0	0						1 UT	9.6 UT	2.48	2 UT	4.8 UT
Heptachlor epoxide	ug/kg-Wet	14	0	0						1 UT	8 UT	2.22	2 UT	4 UT
Heptachlor	ug/kg-Wet	14	0	0						1 UT	13 UT	2.58	2 UT	6.5 UT
Methoxychlor	ug/kg-Wet	14	0	0						4 UT	20 UT	3.37	2.4 UT	10 UT
Mirex	ug/kg-Wet	14	0	0						1 UJT	6.2 UT	1.91	2 UT	3.1 UT
Oxychlordane	ug/kg-Wet	14	0	0						1 UT	32 UT	4.14	2 UT	10 UT
Total Chlordanes	ug/kg-Wet	14	2	14.3	5.4 JT	5.6 JT	5.5	5.4 JT	5.4 JT	5.4 JT	32 UT	6.72	5.5 UT	10 UT
Total Endosulfan	ug/kg-Wet	14	1	7.14	8.4 JT	8.4 JT	8.4	8.4 JT	8.4 JT	1 UJT	20 UT	2.95	2 UT	8.4 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	14	14	100	65 JT	408 T	205	178 JT	363 JT	65 JT	408 T	205	178 JT	363 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	14	14	100	11 JT	139 T	41.5	31 JT	68 JT	11 JT	139 T	41.5	31 JT	68 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	14	14	100	53 JT	220 T	132	128 JT	190 T	53 JT	220 T	132	128 JT	190 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	14	9	64.3	7.3 JT	160 T	48.6	27 T	115 JT	6.9 UT	160 T	32.5	15 JT	115 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	14	14	100	65 JT	378 T	198	178 JT	333 T	65 JT	378 T	198	178 JT	333 T
Toxaphene	ug/kg-Wet	14	0	0						350 UJ	6100 U	747	310 UJ	2800 U
trans-Chlordane	ug/kg-Wet	14	0	0						1 UJT	8.4 UT	2.46	2 UT	4.2 UT
trans-Nonachlor	ug/kg-Wet	14	0	0						6.6 UT	11 UT	5.31	5.5 UT	5.5 UT
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	14	0	0						1300 U	1600 U	764	750 U	800 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	14	0	0						1300 U	1600 U	764	750 U	800 U
2,4,5-Trichlorophenol	ug/kg-Wet	14	0	0						630 U	820 U	384	385 U	410 U
2,4,6-Trichlorophenol	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	14	0	0						380 U	490 U	231	230 U	245 U
2,4-Dinitrophenol	ug/kg-Wet	14	0	0						2500 U	3300 U	1540	1550 U	1650 U
2-Chlorophenol	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2-Methylphenol	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
2-Nitrophenol	ug/kg-Wet	14	0	0						1600 U	1700 U	836	850 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	14	0	0						2500 U	3300 U	1540	1550 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	14	0	0						250 U	330 U	154	155 U	165 U
4-Methylphenol	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	14	0	0						1300 U	1600 U	764	750 U	800 U
Pentachlorophenol	ug/kg-Wet	14	0	0						130 UT	160 UT	76.4	75 UT	80 UT
Phenol	ug/kg-Wet	14	0	0						250 U	330 U	154	155 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	14	2	14.3	32000 JT	87000 JT	59500	32000 JT	32000 JT	86 UT	87000 JT	8620	48 UT	32000 JT
Butylbenzyl phthalate	ug/kg-Wet	14	0	0						250 U	330 U	154	155 U	165 U
Dibutyl phthalate	ug/kg-Wet	14	0	0						250 U	330 U	154	155 U	165 U
Diethyl phthalate	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
Dimethyl phthalate	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
Di-n-octyl phthalate	ug/kg-Wet	14	3	21.4	460 T	2100 T	1220	1100	1100	250 U	2100 T	383	160 U	1100
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT

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Table C1-22. Summary Statistics - Smallmouth Bass.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
1,2-Dichlorobenzene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	14	0	0						25 U	33 U	15.4	15.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	14	0	0						630 U	820 U	384	385 U	410 U
3,3'-Dichlorobenzidine	ug/kg-Wet	14	0	0						1300 U	1600 U	764	750 U	800 U
3-Nitroaniline	ug/kg-Wet	14	0	0						630 U	820 U	384	385 U	410 U
4-Bromophenyl phenyl ether	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	14	0	0						130 UT	160 UT	76.4	75 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	14	0	0						63 UT	82 UT	38.4	38.5 UT	41 UT
4-Nitroaniline	ug/kg-Wet	14	0	0						630 U	820 U	384	385 U	410 U
Aniline	ug/kg-Wet	12	0	0						1600 U	1700 U	833	850 U	850 U
Azobenzene	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
Benzoic acid	ug/kg-Wet	14	0	0						8200 U	8300 U	4140	4150 U	4150 U
Benzyl alcohol	ug/kg-Wet	14	0	0						250 U	330 U	154	155 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
Bis(2-chloroethyl) ether	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Carbazole	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	14	2	14.3	49 T	52 T	50.5	49 T	49 T	25 UT	52 T	20.4	15.5 UT	49 T
Hexachlorobenzene	ug/kg-Wet	14	0	0						1 UT	6.4 UT	2.92	3.2 UT	3.2 UT
Hexachlorobutadiene	ug/kg-Wet	14	0	0						1 UJT	4.6 UT	2	2 UJT	2.3 UT
Hexachlorocyclopentadiene	ug/kg-Wet	14	0	0						630 UJ	820 UJ	384	385 UJ	410 UJ
Hexachloroethane	ug/kg-Wet	14	0	0						1 UJT	13 UT	2.54	2 UJT	6.5 UT
Isophorone	ug/kg-Wet	14	0	0						1600 U	1700 U	836	850 U	850 U
Nitrobenzene	ug/kg-Wet	14	0	0						25 UT	33 UT	15.4	15.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	14	0	0						130 UJT	170 UT	77.9	80 UJT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	14	0	0						130 U	160 U	76.4	75 U	80 U
N-Nitrosodipropylamine	ug/kg-Wet	14	0	0						25 UJT	33 UJT	15.4	15.5 UJT	16.5 UJT
UPRIVER														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	6	0	0						0.95 U	11 U	4.16	4.75 U	4.75 U
Aroclor 1221	ug/kg-Wet	6	0	0						0.95 U	25 U	8.83	9.5 U	12 U
Aroclor 1232	ug/kg-Wet	6	0	0						0.95 U	26 U	6.29	5.5 U	8.5 U
Aroclor 1242	ug/kg-Wet	6	0	0						0.95 U	16 U	4.95	4.75 U	7 U
Aroclor 1248	ug/kg-Wet	6	1	16.7	17	17	17	17	17	17	59 U	17.8	13 U	24 U
Aroclor 1254	ug/kg-Wet	6	0	0						40 U	150 U	45.3	35.5 U	70 U
Aroclor 1260	ug/kg-Wet	6	4	66.7	46	290 J	179	120	260 J	46	290 J	131	46	260 J
Aroclor 1262	ug/kg-Wet	6	0	0						0.95 U	9.5 U	4.04	4.75 U	4.75 U
Aroclor 1268	ug/kg-Wet	6	0	0						0.95 U	9.5 U	4.04	4.75 U	4.75 U
Total PCB Aroclors	ug/kg-Wet	6	4	66.7	63 T	290 JT	183	120 T	260 JT	63 T	290 JT	135	63 T	260 JT
Conventionals														
Lipids	percent-Wet	6	6	100	4.1	6.9	5.37	4.9	6.1	4.1	6.9	5.37	4.9	6.1
Total solids	percent-Wet	6	6	100	28.7	31.2	30.3	30.5	30.9	28.7	31.2	30.3	30.5	30.9
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.115	0.32	0.254	0.25	0.32	0.115	0.32	0.254	0.25	0.32
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.198	0.664	0.485	0.547	0.569	0.198	0.664	0.485	0.547	0.569
Hexachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.39	1.13	0.63	0.515	0.721	0.39	1.13	0.63	0.515	0.721
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.335	2.33	0.967	0.631	1.22	0.335	2.33	0.967	0.631	1.22
Octachlorodibenzofuran	pg/g-Wet	6	5	83.3	0.053	0.077	0.0644	0.063	0.071	0.046 U	0.077	0.0575	0.058	0.071
Octachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.17	2.43	0.609	0.212	0.409	0.17	2.43	0.609	0.212	0.409
Pentachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.97	2.89	1.44	1.12	1.57	0.97	2.89	1.44	1.12	1.57
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.377	1.09	0.648	0.53	0.764	0.377	1.09	0.648	0.53	0.764
Tetrachlorodibenzofuran homologs	pg/g-Wet	6	6	100	0.736	1.77	1.14	0.984	1.3	0.736	1.77	1.14	0.984	1.3
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	6	6	100	0.316	0.514	0.421	0.404	0.47	0.316	0.514	0.421	0.404	0.47
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	6	6	100	0.046	0.149 J	0.116	0.134	0.146	0.046	0.149 J	0.116	0.134	0.146
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.164	0.473	0.277	0.227	0.339	0.164	0.473	0.277	0.227	0.339
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	6	0	0						0.016 U	0.016 U	0.008	0.008 U	0.008 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.043	0.16	0.0875	0.056 J	0.135	0.043	0.16	0.0875	0.056 J	0.135
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.057 J	0.15	0.103	0.1	0.132	0.057 J	0.15	0.103	0.1	0.132
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.029	0.092	0.0532	0.042	0.075	0.029	0.092	0.0532	0.042	0.075
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.253	2.18	0.795	0.488	0.944	0.253	2.18	0.795	0.488	0.944
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	6	1	16.7	0.011 J	0.011 J	0.011	0.011 J	0.011 J	0.011 J	0.011 U	0.00642	0.0055 U	0.0055 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.036	0.094 J	0.0618	0.044 J	0.089	0.036	0.094 J	0.0618	0.044 J	0.089
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.087	0.361	0.193	0.13	0.278	0.087	0.361	0.193	0.13	0.278
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.377	1.08	0.646	0.53	0.764	0.377	1.08	0.646	0.53	0.764
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	6	6	100	0.031	0.102	0.053	0.045	0.059	0.031	0.102	0.053	0.045	0.059
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	6	6	100	0.296	1.78	0.609	0.306	0.518	0.296	1.78	0.609	0.306	0.518
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	6	6	100	0.61	1.63	0.986	0.822	1.25	0.61	1.63	0.986	0.822	1.25
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	6	6	100	0.316	0.506	0.411	0.396	0.449	0.316	0.506	0.411	0.396	0.449
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	6	6	100	0.967 JT	2.81 JT	1.59	1.26 JT	1.79 T	0.967 JT	2.81 JT	1.59	1.26 JT	1.79 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	6	6	100	2.58 T	8.21 T	5.04	3.59 T	8.15 T	2.58 T	8.21 T	5.04	3.59 T	8.15 T
Total PCDD/F	pg/g-Wet	6	6	100	3.99 T	10.5 T	6.66	5.37 T	9.77 T	3.99 T	10.5 T	6.66	5.37 T	9.77 T

BZTO104(e)028442

Table C1-22. Summary Statistics - Smallmouth Bass.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Total TCDD toxicity equivalent	pg/g-Wet	6	6	100	3.54 JT	10 T	6.63	4.71 JT	9.8 JT	3.54 JT	10 T	6.63	4.71 JT	9.8 JT
Metals														
Aluminum	mg/kg-Wet	6	6	100	2.76 J	13.9 J	5.54	3.22 J	5.4 J	2.76 J	13.9 J	5.54	3.22 J	5.4 J
Antimony	mg/kg-Wet	6	0	0						0.003 U	0.007 U	0.00225	0.002 U	0.0025 U
Arsenic	mg/kg-Wet	6	6	100	0.1 J	0.36	0.233	0.19	0.33	0.1 J	0.36	0.233	0.19	0.33
Cadmium	mg/kg-Wet	6	2	33.3	0.004 J	0.011	0.0075	0.004 J	0.004 J	0.003 U	0.011	0.0035	0.0015 U	0.004 J
Chromium	mg/kg-Wet	6	6	100	0.16	2.79	1.3	0.9	2.22	0.16	2.79	1.3	0.9	2.22
Copper	mg/kg-Wet	6	6	100	0.37	0.54	0.452	0.41	0.51	0.37	0.54	0.452	0.41	0.51
Lead	mg/kg-Wet	6	6	100	0.003 J	0.019	0.0085	0.005 J	0.014	0.003 J	0.019	0.0085	0.005 J	0.014
Manganese	mg/kg-Wet	6	6	100	0.544	1.66	1.1	1.2	1.29	0.544	1.66	1.1	1.2	1.29
Mercury	mg/kg-Wet	6	6	100	0.167	0.549	0.322	0.233	0.513	0.167	0.549	0.322	0.233	0.513
Nickel	mg/kg-Wet	6	6	100	0.13	1.57	0.725	0.55	1.32	0.13	1.57	0.725	0.55	1.32
Selenium	mg/kg-Wet	6	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
Silver	mg/kg-Wet	6	0	0						0.003 U	0.016 U	0.00425	0.0025 U	0.0075 U
Thallium	mg/kg-Wet	6	6	100	0.002 J	0.0499	0.0103	0.0024 J	0.0028 J	0.002 J	0.0499	0.0103	0.0024 J	0.0028 J
Zinc	mg/kg-Wet	6	6	100	12.8	16.8	14.7	14.4	15	12.8	16.8	14.7	14.4	15
PAHs														
2-Methylnaphthalene	ug/kg-Wet	6	0	0						33 UT	73 UT	23.2	16.5 UT	36.5 UT
Acenaphthene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Acenaphthylene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	6	0	0						33 UT	60 UT	18.8	16.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	6	0	0						33 UT	70 UT	19.6	16.5 UT	16.5 UT
Chrysene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	6	0	0						33 UT	93 UT	21.5	16.5 UT	16.5 UT
Fluorene	ug/kg-Wet	6	0	0						33 UT	66 UT	22	16.5 UT	33 UT
High Molecular Weight PAH	ug/kg-Wet	6	0	0						33 UT	93 UT	21.5	16.5 UT	16.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	6	0	0						33 UT	73 UT	26.3	16.5 UT	36.5 UT
Naphthalene	ug/kg-Wet	6	0	0						33 UT	70 UT	25.8	16.5 UT	35 UT
Phenanthrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Pyrene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Total PAHs	ug/kg-Wet	6	0	0						33 UT	93 UT	27.9	16.5 UT	36.5 UT
PCB_Congeners														
PCB004	ug/kg-Wet	6	6	100	0.0161	0.0694	0.0326	0.018 T	0.0421	0.0161	0.0694	0.0326	0.018 T	0.0421
PCB005	ug/kg-Wet	6	0	0						0.00214 UT	0.0082 U	0.00201	0.00134 U	0.002205 U
PCB006	ug/kg-Wet	6	6	100	0.00561	0.0241	0.0136	0.00643	0.0209 J	0.00561	0.0241	0.0136	0.00643	0.0209 J
PCB007	ug/kg-Wet	6	0	0						0.00339 UT	0.00739 U	0.00267	0.00185 U	0.003495 U
PCB008	ug/kg-Wet	6	6	100	0.0228 T	0.0884	0.0515	0.0268	0.0772	0.0228 T	0.0884	0.0515	0.0268	0.0772
PCB009	ug/kg-Wet	6	2	33.3	0.00239 JT	0.00456 J	0.00348	0.00239 JT	0.00239 JT	0.00239 JT	0.00725 U	0.00256	0.002305 U	0.003625 U
PCB010	ug/kg-Wet	6	0	0						0.00432 UT	0.00889 U	0.00334	0.002355 U	0.00436 U
PCB011	ug/kg-Wet	6	6	100	0.0406	0.252 J	0.1	0.048	0.146	0.0406	0.252 J	0.1	0.048	0.146
PCB012 & 013	ug/kg-Wet	6	0	0						0.00479 UT	0.00985 U	0.0037	0.00261 U	0.00483 U
PCB014	ug/kg-Wet	6	0	0						0.00281 UT	0.00798 U	0.00236	0.001535 U	0.00289 U
PCB015	ug/kg-Wet	6	3	50	0.00648 JT	0.00931	0.00753	0.0068	0.0068	0.00459 U	0.0114 U	0.00552	0.0057 U	0.0068
PCB016	ug/kg-Wet	6	6	100	0.0427	0.0905	0.0604	0.048 T	0.08	0.0427	0.0905	0.0604	0.048 T	0.08
PCB017	ug/kg-Wet	6	6	100	0.0712	0.26	0.131	0.0812 T	0.173	0.0712	0.26	0.131	0.0812 T	0.173
PCB018 & 030	ug/kg-Wet	6	6	100	0.131 J	0.329 J	0.19	0.137 J	0.225 J	0.131 J	0.329 J	0.19	0.137 J	0.225 J
PCB019	ug/kg-Wet	6	6	100	0.0123	0.124	0.0402	0.014	0.053	0.0123	0.124	0.0402	0.014	0.053
PCB020 & 028	ug/kg-Wet	6	6	100	0.439 J	1.46 J	0.741	0.535 JT	0.998 J	0.439 J	1.46 J	0.741	0.535 JT	0.998 J
PCB021 & 033	ug/kg-Wet	6	6	100	0.0696 J	0.316 J	0.141	0.0776 JT	0.188 J	0.0696 J	0.316 J	0.141	0.0776 JT	0.188 J
PCB022	ug/kg-Wet	6	6	100	0.0885	0.258	0.139	0.0985 T	0.18	0.0885	0.258	0.139	0.0985 T	0.18
PCB023	ug/kg-Wet	6	0	0						0.00348 UT	0.00716 U	0.00269	0.001895 U	0.00351 U
PCB024	ug/kg-Wet	6	0	0						0.0045 UT	0.00925 U	0.00347	0.00245 U	0.004535 U
PCB025	ug/kg-Wet	6	6	100	0.0219	0.0723	0.0383	0.0275 T	0.0468 J	0.0219	0.0723	0.0383	0.0275 T	0.0468 J
PCB026 & 029	ug/kg-Wet	6	6	100	0.0584 J	0.207 J	0.103	0.0694 JT	0.132 J	0.0584 J	0.207 J	0.103	0.0694 JT	0.132 J
PCB027	ug/kg-Wet	6	6	100	0.00955	0.0464	0.0244	0.0125	0.0362	0.00955	0.0464	0.0244	0.0125	0.0362
PCB031	ug/kg-Wet	6	6	100	0.27	0.716	0.401	0.303	0.504	0.27	0.716	0.401	0.303	0.504
PCB032	ug/kg-Wet	6	6	100	0.0443	0.158	0.0826	0.0505 T	0.116	0.0443	0.158	0.0826	0.0505 T	0.116
PCB034	ug/kg-Wet	6	0	0						0.00285 UT	0.00586 U	0.0022	0.00155 U	0.00287 U
PCB035	ug/kg-Wet	6	0	0						0.0021 UT	0.00432 U	0.00162	0.001145 U	0.002115 U
PCB036	ug/kg-Wet	6	0	0						0.00384 U	0.0112 U	0.0038	0.00355 U	0.004545 UT
PCB037	ug/kg-Wet	6	6	100	0.0234	0.121	0.0596	0.0272 T	0.0959	0.0234	0.121	0.0596	0.0272 T	0.0959
PCB038	ug/kg-Wet	6	0	0						0.00262 UT	0.00539 U	0.00202	0.00143 U	0.00264 U
PCB039	ug/kg-Wet	6	3	50	0.004	0.0109	0.00643	0.00438 JT	0.00438 JT	0.00377 U	0.0109	0.0047	0.00355 U	0.00438 JT
PCB040 & 041 & 071	ug/kg-Wet	6	6	100	0.297 J	0.897 J	0.478	0.355 J	0.534 J	0.297 J	0.897 J	0.478	0.355 J	0.534 J
PCB042	ug/kg-Wet	6	6	100	0.178	0.53	0.31	0.258	0.361	0.178	0.53	0.31	0.258	0.361
PCB043	ug/kg-Wet	6	6	100	0.0265	0.11 J	0.0599	0.0324 T	0.109	0.0265	0.11 J	0.0599	0.0324 T	0.109
PCB044 & 047 & 065	ug/kg-Wet	6	6	100	1.01 J	3.81 J	1.77	1.09 J	2.32 J	1.01 J	3.81 J	1.77	1.09 J	2.32 J
PCB045 & 051	ug/kg-Wet	6	6	100	0.0743 J	0.339 J	0.134	0.0796 J	0.147 J	0.0743 J	0.339 J	0.134	0.0796 J	0.147 J
PCB046	ug/kg-Wet	6	6	100	0.0178	0.0453	0.0257	0.019	0.0289	0.0178	0.0453	0.0257	0.019	0.0289
PCB048	ug/kg-Wet	6	6	100	0.145	0.401	0.22	0.16	0.268	0.145	0.401	0.22	0.16	0.268
PCB049 & 069	ug/kg-Wet	6	6	100	0.739 J	2.64 J	1.28	0.857 J	1.68 J	0.739 J	2.64 J	1.28	0.857 J	1.68 J
PCB050 & 053	ug/kg-Wet	6	6	100	0.065 J	0.267 J	0.112	0.0709 J	0.121 J	0.065 J	0.267 J	0.112	0.0709 J	0.121 J

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Table C1-22. Summary Statistics - Smallmouth Bass.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB052	ug/kg-Wet	6	6	100	1.16	4	1.98	1.26	2.78	1.16	4	1.98	1.26	2.78
PCB054	ug/kg-Wet	6	1	16.7	0.0345	0.0345	0.0345	0.0345	0.0345	0.00387 UT	0.0345	0.00809	0.00211 U	0.003985 U
PCB055	ug/kg-Wet	6	1	16.7	0.00787	0.00787	0.00787	0.00787	0.00787	0.00431 UT	0.00888 U	0.00425	0.004345 U	0.00444 U
PCB056	ug/kg-Wet	6	6	100	0.169	0.542	0.33	0.302	0.371	0.169	0.542	0.33	0.302	0.371
PCB057	ug/kg-Wet	6	5	83.3	0.00562	0.0159 J	0.00995	0.0071	0.015 J	0.00562	0.0159 J	0.00904	0.00614 JT	0.015 J
PCB058	ug/kg-Wet	6	3	50	0.00658 T	0.0111	0.00851	0.00785	0.00785	0.00583 U	0.0111	0.00656	0.0055 U	0.00785
PCB059 & 062 & 075	ug/kg-Wet	6	6	100	0.0804 J	0.27 J	0.134	0.0856 J	0.187 J	0.0804 J	0.27 J	0.134	0.0856 J	0.187 J
PCB060	ug/kg-Wet	6	6	100	0.249	1	0.547	0.361 T	0.975	0.249	1	0.547	0.361 T	0.975
PCB061 & 070 & 074 & 076	ug/kg-Wet	6	6	100	2.08 J	5.09 J	3.14	2.35 J	4.65 J	2.08 J	5.09 J	3.14	2.35 J	4.65 J
PCB063	ug/kg-Wet	6	6	100	0.0788	0.25	0.144	0.0976 T	0.227	0.0788	0.25	0.144	0.0976 T	0.227
PCB064	ug/kg-Wet	6	6	100	0.419	1.23	0.679	0.513	0.879	0.419	1.23	0.679	0.513	0.879
PCB066	ug/kg-Wet	6	6	100	1.51	4.52	2.74	2.09 T	4.33	1.51	4.52	2.74	2.09 T	4.33
PCB067	ug/kg-Wet	6	6	100	0.0222	0.0552	0.0323	0.025 T	0.0408 J	0.0222	0.0552	0.0323	0.025 T	0.0408 J
PCB068	ug/kg-Wet	6	6	100	0.0187	0.0505	0.0277	0.0222 T	0.0312 J	0.0187	0.0505	0.0277	0.0222 T	0.0312 J
PCB072	ug/kg-Wet	6	6	100	0.0227	0.0644	0.0381	0.0291	0.0526	0.0227	0.0644	0.0381	0.0291	0.0526
PCB073	ug/kg-Wet	6	0	0						0.00563 UT	0.0116 U	0.00435	0.00307 U	0.0057 U
PCB077	ug/kg-Wet	6	6	100	0.0607	0.211	0.11	0.0798 T	0.156	0.0607	0.211	0.11	0.0798 T	0.156
PCB078	ug/kg-Wet	6	0	0						0.00369 UT	0.0076 U	0.00285	0.002015 U	0.003725 U
PCB079	ug/kg-Wet	6	6	100	0.0241	0.0723	0.0448	0.04	0.0563	0.0241	0.0723	0.0448	0.04	0.0563
PCB080	ug/kg-Wet	6	0	0						0.00592 U	0.0628 U	0.0125	0.0055 U	0.02385 UT
PCB081	ug/kg-Wet	6	6	100	0.00418	0.0116	0.00614	0.0044	0.00695	0.00418	0.0116	0.00614	0.0044	0.00695
PCB082	ug/kg-Wet	6	6	100	0.125	0.397	0.3	0.33	0.373 T	0.125	0.397	0.3	0.33	0.373 T
PCB083 & 099	ug/kg-Wet	6	6	100	2.95 J	9.13 J	5.54	4.17 JT	8.31 J	2.95 J	9.13 J	5.54	4.17 JT	8.31 J
PCB084	ug/kg-Wet	6	6	100	0.204	0.707	0.468	0.49	0.556 T	0.204	0.707	0.468	0.49	0.556 T
PCB085 & 116 & 117	ug/kg-Wet	6	6	100	0.836 J	2.61 J	1.55	1.22 J	2.19 J	0.836 J	2.61 J	1.55	1.22 J	2.19 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	6	6	100	1.44 J	4.09 J	2.9	2.99 J	3.61 J	1.44 J	4.09 J	2.9	2.99 J	3.61 J
PCB088 & 091	ug/kg-Wet	6	5	83.3	0.218 J	0.516 J	0.407	0.473 J	0.497 JT	0.0158 U	0.516 J	0.341	0.332 J	0.497 JT
PCB089	ug/kg-Wet	6	5	83.3	0.0142	0.0242 T	0.0204	0.0213	0.0215	0.00885 U	0.0242 T	0.0177	0.0206	0.0215
PCB090 & 101 & 113	ug/kg-Wet	6	6	100	3.3 J	10.2 J	6.02	5.13 JT	8.49 J	3.3 J	10.2 J	6.02	5.13 JT	8.49 J
PCB092	ug/kg-Wet	6	6	100	0.613	2.1	1.16	0.894	1.7	0.613	2.1	1.16	0.894	1.7
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	6	6	100	1.24 J	4.62 J	2.45	1.9 J	3.47 J	1.24 J	4.62 J	2.45	1.9 J	3.47 J
PCB094	ug/kg-Wet	6	5	83.3	0.00632	0.029	0.0129	0.00851 T	0.0128	0.00632	0.029	0.0115	0.00789	0.0128
PCB096	ug/kg-Wet	6	5	83.3	0.00636	0.0389	0.0166	0.00967 T	0.02	0.00636	0.0389	0.0148	0.00783	0.02
PCB103	ug/kg-Wet	6	6	100	0.0237	0.168	0.0602	0.033 T	0.0708	0.0237	0.168	0.0602	0.033 T	0.0708
PCB104	ug/kg-Wet	6	0	0						0.00661 UT	0.0136 U	0.0051	0.003605 U	0.00665 U
PCB105	ug/kg-Wet	6	6	100	1.52	5.81	3.27	2.28 T	4.7	1.52	5.81	3.27	2.28 T	4.7
PCB106	ug/kg-Wet	6	0	0						0.0087 UT	0.0179 U	0.00671	0.004745 U	0.00875 U
PCB107 & 124	ug/kg-Wet	6	6	100	0.0911 J	0.242 J	0.173	0.176 J	0.22 J	0.0911 J	0.242 J	0.173	0.176 J	0.22 J
PCB109	ug/kg-Wet	6	6	100	0.454	1.24	0.75	0.604	1.01	0.454	1.24	0.75	0.604	1.01
PCB110 & 115	ug/kg-Wet	6	6	100	2.28 J	7.18 J	4.69	4.46 J	6.3 J	2.28 J	7.18 J	4.69	4.46 J	6.3 J
PCB111	ug/kg-Wet	6	4	66.7	0.00686 T	0.0208 J	0.0133	0.00809	0.0175	0.00548 U	0.0208 J	0.0102	0.00686 T	0.0175
PCB112	ug/kg-Wet	6	0	0						0.00619 UT	0.0127 U	0.00478	0.003375 U	0.00625 U
PCB114	ug/kg-Wet	6	6	100	0.115	0.619	0.285	0.169 T	0.361	0.115	0.619	0.285	0.169 T	0.361
PCB118	ug/kg-Wet	6	6	100	5.2	18.7	10.4	7.52	14.1	5.2	18.7	10.4	7.52	14.1
PCB120	ug/kg-Wet	6	6	100	0.028	0.0956	0.0513	0.0364 T	0.0696	0.028	0.0956	0.0513	0.0364 T	0.0696
PCB121	ug/kg-Wet	6	2	33.3	0.0102	0.0171	0.0137	0.0102	0.0102	0.00364 UT	0.0171	0.00614	0.001985 U	0.0102
PCB122	ug/kg-Wet	6	4	66.7	0.0245	0.049	0.037	0.0365	0.038 T	0.021 U	0.049	0.0282	0.0245	0.038 T
PCB123	ug/kg-Wet	6	6	100	0.0916	0.278	0.165	0.14	0.207	0.0916	0.278	0.165	0.14	0.207
PCB126	ug/kg-Wet	6	6	100	0.0148	0.0462	0.0257	0.0193	0.0352	0.0148	0.0462	0.0257	0.0193	0.0352
PCB127	ug/kg-Wet	6	6	100	0.0106	0.0429 J	0.0214	0.0162	0.0239 J	0.0106	0.0429 J	0.0214	0.0162	0.0239 J
PCB128 & 166	ug/kg-Wet	6	6	100	0.889 J	3.31 J	1.92	1.48 JT	2.78 J	0.889 J	3.31 J	1.92	1.48 JT	2.78 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	6	6	100	7.9 J	31.5 J	17.6	12 J	29.2 J	7.9 J	31.5 J	17.6	12 J	29.2 J
PCB130	ug/kg-Wet	6	6	100	0.42	1.01	0.683	0.645 T	0.905	0.42	1.01	0.683	0.645 T	0.905
PCB131	ug/kg-Wet	6	6	100	0.0204 J	0.0826	0.0622	0.0698	0.0775 T	0.0204 J	0.0826	0.0622	0.0698	0.0775 T
PCB132	ug/kg-Wet	6	6	100	0.616	2.6	1.57	1.49 T	2.3	0.616	2.6	1.57	1.49 T	2.3
PCB133	ug/kg-Wet	6	6	100	0.134	0.605	0.319	0.217	0.518	0.134	0.605	0.319	0.217	0.518
PCB134 & 143	ug/kg-Wet	6	6	100	0.154 J	0.468 J	0.303	0.287 J	0.408 J	0.154 J	0.468 J	0.303	0.287 J	0.408 J
PCB135 & 151 & 154	ug/kg-Wet	6	5	83.3	1.44 J	7.1 J	2.98	2.15 J	2.17 JT	0.0297 U	7.1 J	2.49	2.06 J	2.17 JT
PCB136	ug/kg-Wet	6	6	100	0.238	1.33	0.63	0.363	1.13	0.238	1.33	0.63	0.363	1.13
PCB137	ug/kg-Wet	6	6	100	0.3	1.56	0.747	0.461	0.929	0.3	1.56	0.747	0.461	0.929
PCB139 & 140	ug/kg-Wet	6	6	100	0.1 J	0.351 J	0.21	0.157 J	0.323 J	0.1 J	0.351 J	0.21	0.157 J	0.323 J
PCB141	ug/kg-Wet	6	6	100	0.517	4.52	2.05	0.918	3.89	0.517	4.52	2.05	0.918	3.89
PCB142	ug/kg-Wet	6	0	0						0.00537 UT	0.011 U	0.00414	0.002925 U	0.0054 U
PCB144	ug/kg-Wet	6	6	100	0.185	0.678	0.377	0.283 T	0.6	0.185	0.678	0.377	0.283 T	0.6
PCB145	ug/kg-Wet	6	0	0						0.00211 UT	0.00434 U	0.00163	0.00115 U	0.002125 U
PCB146	ug/kg-Wet	6	6	100	1.48	6.07	3.16	2.25	4.84	1.48	6.07	3.16	2.25	4.84
PCB147 & 149	ug/kg-Wet	6	6	100	2.04 J	8.61 J	5.33	5.16 JT	7.34 J	2.04 J	8.61 J	5.33	5.16 JT	7.34 J
PCB148	ug/kg-Wet	6	6	100	0.00958	0.0671	0.0249	0.0134	0.0325	0.00958	0.0671	0.0249	0.0134	0.0325
PCB150	ug/kg-Wet	6	6	100	0.00534	0.0262	0.0108	0.00771 T	0.0118	0.00534	0.0262	0.0108	0.00771 T	0.0118
PCB152	ug/kg-Wet	6	2	33.3	0.0106 J	0.0229	0.0168	0.0106 J	0.0106 J	0.00509 UT	0.0229	0.00781	0.002775 U	0.0106 J
PCB153 & 168	ug/kg-Wet	6	6	100	8.16 J	38.7 J	20.3	12.5 J	35.3 J	8.16 J	38.7 J	20.3	12.5 J	35.3 J
PCB155	ug/kg-Wet	6	4	66.7	0.00548 T	0.0122	0.0083	0.00583 J	0.00969	0.00421 U	0.0122	0.00655	0.00548 T	0.00969
PCB156	ug/kg-Wet	6	6	100	0.537	3.09	1.49	0.835	2.33	0.537	3.09	1.49	0.835	2.33
PCB157	ug/kg-Wet	6	6	100	0.124	0.509	0.27	0.187	0.359	0.124	0.509	0.27	0.187	0.359
PCB158	ug/kg-Wet	6	6	100	0.683	2.83	1.6	1.05	2.7	0.683	2.83	1.6	1.05	2.7
PCB159	ug/kg-Wet	6	6	100	0.0318	0.184	0.089	0.0479 JT	0.172	0.0318	0.184	0.089	0.0479 JT	0.172
PCB161	ug/kg-Wet	6	0	0						0.00594 UT	0.0122 U	0.00459	0.00324 U	0.006 U
PCB162	ug/kg-Wet	6	6	100	0.0379	0.114	0.0663	0.0502	0.0917	0.0379	0.114	0.0663	0.0502	0.0917

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Table C1-22. Summary Statistics - Smallmouth Bass.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB164	ug/kg-Wet	6	6	100	0.285	1.14	0.602	0.425	0.959	0.285	1.14	0.602	0.425	0.959
PCB165	ug/kg-Wet	6	4	66.7	0.00583 T	0.033	0.0166	0.00617	0.0214	0.00535 U	0.033	0.0124	0.00583 T	0.0214
PCB167	ug/kg-Wet	6	6	100	0.31	1.13	0.643	0.466	0.987	0.31	1.13	0.643	0.466	0.987
PCB169	ug/kg-Wet	6	6	100	0.00124	0.00333	0.00212	0.0017	0.00302	0.00124	0.00333	0.00212	0.0017	0.00302
PCB170	ug/kg-Wet	6	6	100	1.06	10.1	4.5	1.64	8.9	1.06	10.1	4.5	1.64	8.9
PCB171 & 173	ug/kg-Wet	6	6	100	0.411 J	2.92 J	1.35	0.602 J	2.53 J	0.411 J	2.92 J	1.35	0.602 J	2.53 J
PCB172	ug/kg-Wet	6	6	100	0.224	1.94	0.83	0.348	1.52	0.224	1.94	0.83	0.348	1.52
PCB174	ug/kg-Wet	6	6	100	0.693	3.25	1.63	0.909 T	3.1	0.693	3.25	1.63	0.909 T	3.1
PCB175	ug/kg-Wet	6	6	100	0.0606	0.346	0.162	0.0906	0.276	0.0606	0.346	0.162	0.0906	0.276
PCB176	ug/kg-Wet	6	6	100	0.0908	0.424	0.228	0.185 T	0.364	0.0908	0.424	0.228	0.185 T	0.364
PCB177	ug/kg-Wet	6	6	100	0.938	3.4	1.8	1.31 T	2.77	0.938	3.4	1.8	1.31 T	2.77
PCB178	ug/kg-Wet	6	6	100	0.428	2.37	1.09	0.609	1.82	0.428	2.37	1.09	0.609	1.82
PCB179	ug/kg-Wet	6	6	100	0.406	1.88	0.972	0.576	1.8	0.406	1.88	0.972	0.576	1.8
PCB180 & 193	ug/kg-Wet	6	6	100	3.35 J	33.2 J	13.7	4.95 J	25.6 J	3.35 J	33.2 J	13.7	4.95 J	25.6 J
PCB181	ug/kg-Wet	6	6	100	0.0169	0.0732	0.0393	0.0233 T	0.0639	0.0169	0.0732	0.0393	0.0233 T	0.0639
PCB182	ug/kg-Wet	6	6	100	0.00962	0.0822	0.0332	0.0125 JT	0.0568 J	0.00962	0.0822	0.0332	0.0125 JT	0.0568 J
PCB183 & 185	ug/kg-Wet	6	6	100	1.13 J	7.77 J	3.54	1.69 J	6.43 J	1.13 J	7.77 J	3.54	1.69 J	6.43 J
PCB184	ug/kg-Wet	6	2	33.3	0.00844 T	0.00965	0.00905	0.00844 T	0.00844 T	0.00685 U	0.0129 U	0.00678	0.00635 U	0.00844 T
PCB186	ug/kg-Wet	6	0	0						0.00362 UT	0.00744 U	0.00279	0.00197 U	0.00365 U
PCB187	ug/kg-Wet	6	6	100	3.14	17.6	7.5	4.42	10.9	3.14	17.6	7.5	4.42	10.9
PCB188	ug/kg-Wet	6	3	50	0.00697 T	0.0261	0.0159	0.0147 J	0.0147 J	0.00697 T	0.0261	0.0104	0.00697 T	0.0147 J
PCB189	ug/kg-Wet	6	6	100	0.0465	0.403	0.183	0.0635	0.37	0.0465	0.403	0.183	0.0635	0.37
PCB190	ug/kg-Wet	6	6	100	0.341	2.35	1.09	0.487	2.09	0.341	2.35	1.09	0.487	2.09
PCB191	ug/kg-Wet	6	6	100	0.0555	0.52	0.231	0.0852	0.463	0.0555	0.52	0.231	0.0852	0.463
PCB192	ug/kg-Wet	6	0	0						0.00326 UT	0.00672 U	0.00252	0.00178 U	0.003295 U
PCB194	ug/kg-Wet	6	6	100	0.467	4.73	1.96	0.684	3.76	0.467	4.73	1.96	0.684	3.76
PCB195	ug/kg-Wet	6	6	100	0.202	2.06	0.855	0.314	1.59	0.202	2.06	0.855	0.314	1.59
PCB196	ug/kg-Wet	6	6	100	0.267	2.74	1.11	0.381	2.1	0.267	2.74	1.11	0.381	2.1
PCB197 & 200	ug/kg-Wet	6	6	100	0.071 J	0.356 J	0.178	0.096 J	0.348 J	0.071 J	0.356 J	0.178	0.096 J	0.348 J
PCB198 & 199	ug/kg-Wet	6	6	100	0.691 J	5.09 J	2.15	1.01 J	3.75 J	0.691 J	5.09 J	2.15	1.01 J	3.75 J
PCB201	ug/kg-Wet	6	6	100	0.0926	0.559	0.249	0.134	0.416	0.0926	0.559	0.249	0.134	0.416
PCB202	ug/kg-Wet	6	6	100	0.225	0.953	0.499	0.318	0.856	0.225	0.953	0.499	0.318	0.856
PCB203	ug/kg-Wet	6	6	100	0.508	3.18	1.47	0.696	2.75	0.508	3.18	1.47	0.696	2.75
PCB204	ug/kg-Wet	6	0	0						0.00863 UT	0.0178 U	0.00667	0.004705 U	0.0087 U
PCB205	ug/kg-Wet	6	6	100	0.0323	0.233	0.0998	0.0427	0.177	0.0323	0.233	0.0998	0.0427	0.177
PCB206	ug/kg-Wet	6	6	100	0.257	1.05	0.53	0.313	0.909	0.257	1.05	0.53	0.313	0.909
PCB207	ug/kg-Wet	6	6	100	0.0518	0.191	0.1	0.0616	0.165	0.0518	0.191	0.1	0.0616	0.165
PCB208	ug/kg-Wet	6	6	100	0.105	0.296	0.173	0.137	0.249	0.105	0.296	0.173	0.137	0.249
PCB209	ug/kg-Wet	6	6	100	0.119	0.325 T	0.249	0.26	0.304	0.119	0.325 T	0.249	0.26	0.304
Total PCB Congeners	ug/kg-Wet	6	6	100	78.1 JT	317 JT	169	111 JT	275 JT	78.1 JT	317 JT	169	111 JT	275 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	6	6	100	0.1 T	0.38 JT	0.203	0.101 JT	0.297 JT	0.1 T	0.38 JT	0.203	0.101 JT	0.297 JT
Heptachlorobiphenyl homologs	ug/kg-Wet	6	6	100	12.4 JT	88.4 JT	38.9	18.1 JT	69.3 JT	12.4 JT	88.4 JT	38.9	18.1 JT	69.3 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	6	6	100	28.6 JT	115 JT	62.6	43.6 JT	101 JT	28.6 JT	115 JT	62.6	43.6 JT	101 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	6	6	100	0.423 T	1.54 T	0.804	0.512 T	1.32 T	0.423 T	1.54 T	0.804	0.512 T	1.32 T
Octachlorobiphenyl homologs	ug/kg-Wet	6	6	100	2.56 JT	19.9 JT	8.56	3.69 JT	15.7 JT	2.56 JT	19.9 JT	8.56	3.69 JT	15.7 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	6	6	100	23.6 JT	63.8 JT	40.7	33.1 JT	60.9 JT	23.6 JT	63.8 JT	40.7	33.1 JT	60.9 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	6	6	100	8.75 JT	26.4 JT	14.4	9.87 JT	20.4 JT	8.75 JT	26.4 JT	14.4	9.87 JT	20.4 JT
Trichlorobiphenyl homologs	ug/kg-Wet	6	6	100	1.29 JT	4.17 JT	2.16	1.46 JT	2.83 JT	1.29 JT	4.17 JT	2.16	1.46 JT	2.83 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	6	3	50	2.8 NJ	7.4 NJ	4.97	4.7 NJ	4.7 NJ	1.6 U	7.4 NJ	2.96	1.1 U	4.7 NJ
2,4'-DDE	ug/kg-Wet	6	0	0						1 U	2.4 U	0.842	0.75 U	1 U
2,4'-DDT	ug/kg-Wet	6	6	100	4.3 NJ	16 NJ	8.47	6.6 NJ	11 NJ	4.3 NJ	16 NJ	8.47	6.6 NJ	11 NJ
4,4'-DDD	ug/kg-Wet	6	6	100	4.7 NJ	10 NJ	8.68	9.6 NJ	10 NJ	4.7 NJ	10 NJ	8.68	9.6 NJ	10 NJ
4,4'-DDE	ug/kg-Wet	6	6	100	32 J	60 J	48.7	47 J	59 J	32 J	60 J	48.7	47 J	59 J
4,4'-DDT	ug/kg-Wet	6	6	100	8.8 J	27 J	16.5	13 J	24 J	8.8 J	27 J	16.5	13 J	24 J
Aldrin	ug/kg-Wet	6	0	0						1 U	3 U	0.683	0.5 U	0.6 U
alpha-Endosulfan	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 U	0.5 U
beta-Endosulfan	ug/kg-Wet	6	0	0						1 UJ	1.2 UJ	0.517	0.5 UJ	0.5 UJ
beta-Hexachlorocyclohexane	ug/kg-Wet	6	0	0						2.2 UJ	4 UJ	1.64	1.55 UJ	1.85 UJ
cis-Chlordane	ug/kg-Wet	6	1	16.7	2.1 NJ	2.1 NJ	2.1	2.1 NJ	2.1 NJ	1 UJ	2.1 NJ	0.767	0.5 UJ	0.5 UJ
cis-Nonachlor	ug/kg-Wet	6	0	0						2.6 U	8 U	2.4	1.8 U	3.75 U
delta-Hexachlorocyclohexane	ug/kg-Wet	6	2	33.3	1.6 NJ	2.5 NJ	2.05	1.6 NJ	1.6 NJ	1 U	2.5 NJ	1.02	0.5 UJ	1.6 NJ
Dieldrin	ug/kg-Wet	6	6	100	1.9 NJ	4.5 NJ	2.83	2.5 NJ	3.6 NJ	1.9 NJ	4.5 NJ	2.83	2.5 NJ	3.6 NJ
Endosulfan sulfate	ug/kg-Wet	6	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
Endrin aldehyde	ug/kg-Wet	6	4	66.7	1.3 N	2.3 NJ	1.78	1.5 N	2 NJ	1.3 U	2.3 NJ	1.42	1.3 N	2 NJ
Endrin ketone	ug/kg-Wet	6	0	0						1 UJ	3.3 UJ	0.875	0.5 UJ	1.45 UJ
Endrin	ug/kg-Wet	6	0	0						1 UJ	1 UJ	0.5	0.5 UJ	0.5 UJ
gamma-Hexachlorocyclohexane	ug/kg-Wet	6	5	83.3	2.7 NJ	4.3 NJ	3.5	3.3 NJ	4.1 NJ	2.3 U	4.3 NJ	3.11	3.1 NJ	4.1 NJ
Heptachlor epoxide	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Heptachlor	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Methoxychlor	ug/kg-Wet	6	2	33.3	4.3 N	5.3 NJ	4.8	4.3 N	4.3 N	1 U	5.3 NJ	2.18	0.6 U	4.3 N
Mirex	ug/kg-Wet	6	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	6	6	100	1.3 NJ	3.7 NJ	2.27	1.9 NJ	3.1 N	1.3 NJ	3.7 NJ	2.27	1.9 NJ	3.1 N
Total Chlordanes	ug/kg-Wet	6	6	100	4.5 JT	15 JT	8.13	5.9 JT	10.9 JT	4.5 JT	15 JT	8.13	5.9 JT	10.9 JT
Total Endosulfan	ug/kg-Wet	6	0	0						1 UJT	1.2 UJT	0.517	0.5 UJT	0.5 UJT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	56.9 JT	120 JT	84.8	77.5 JT	105 JT	56.9 JT	120 JT	84.8	77.5 JT	105 JT

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Table C1-22. Summary Statistics - Smallmouth Bass.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	6	6	100	4.7 JT	17.4 JT	11.2	9.6 JT	14.5 JT	4.7 JT	17.4 JT	11.2	9.6 JT	14.5 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	6	6	100	32 JT	60 JT	48.7	47 JT	59 JT	32 JT	60 JT	48.7	47 JT	59 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	6	6	100	13.1 JT	43 JT	24.9	20.2 JT	35 JT	13.1 JT	43 JT	24.9	20.2 JT	35 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	6	6	100	49.7 JT	97 JT	73.8	69 JT	88.8 JT	49.7 JT	97 JT	73.8	69 JT	88.8 JT
Toxaphene	ug/kg-Wet	6	0	0						67 U	240 U	75.2	60 U	110 U
trans-Chlordane	ug/kg-Wet	6	0	0						1.8 UJ	8.4 UJ	1.76	1.05 UJ	2.3 UJ
trans-Nonachlor	ug/kg-Wet	6	6	100	3.2 N	9.2 NJ	5.52	4.3 NJ	7.8 NJ	3.2 N	9.2 NJ	5.52	4.3 NJ	7.8 NJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	6	0	0						1700 UJ	1700 UJ	850	850 UJ	850 UJ
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	6	0	0						500 U	500 U	250	250 U	250 U
2-Chlorophenol	ug/kg-Wet	6	0	0						33 UT	70 UT	24.8	16.5 UT	33 UT
2-Methylphenol	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
2-Nitrophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	6	0	0						3300 U	3300 U	1650	1650 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
4-Methylphenol	ug/kg-Wet	6	0	0						33 UT	120 UT	23.8	16.5 UT	16.5 UT
4-Nitrophenol	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
Pentachlorophenol	ug/kg-Wet	6	0	0						170 UT	170 UJT	85	85 UT	85 UT
Phenol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	6	1	16.7	4800 T	4800 T	4800	4800 T	4800 T	99 UJT	4800 T	898	50 UJT	275 UJT
Butylbenzyl phthalate	ug/kg-Wet	6	1	16.7	790 J	790 J	790	790 J	790 J	330 UJ	790 J	269	165 UJ	165 UJ
Dibutyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Diethyl phthalate	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Dimethyl phthalate	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	6	0	0						33 U	33 U	16.5	16.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
3-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	6	0	0						170 UT	170 UT	85	85 UT	85 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	6	0	0						83 UT	83 UT	41.5	41.5 UT	41.5 UT
4-Nitroaniline	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
Azobenzene	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Benzoic acid	ug/kg-Wet	6	0	0						8300 U	8300 U	4150	4150 U	4150 U
Benzyl alcohol	ug/kg-Wet	6	0	0						330 U	330 U	165	165 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	6	0	0						170 U	170 U	85	85 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Carbazole	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
Hexachlorobenzene	ug/kg-Wet	6	0	0						1.4 UT	2.3 UT	0.883	0.85 UT	1 UT
Hexachlorobutadiene	ug/kg-Wet	6	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Hexachlorocyclopentadiene	ug/kg-Wet	6	0	0						830 U	830 U	415	415 U	415 U
Hexachloroethane	ug/kg-Wet	6	0	0						1 UJT	1 UJT	0.5	0.5 UJT	0.5 UJT
Isophorone	ug/kg-Wet	6	0	0						1700 U	1700 U	850	850 U	850 U
Nitrobenzene	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	6	0	0						170 UT	170 UT	85	85 UT	85 UT
N-Nitrosodiphenylamine	ug/kg-Wet	6	0	0						170 UJ	170 UJ	85	85 UJ	85 UJ
N-Nitrosodipropylamine	ug/kg-Wet	6	0	0						33 UT	33 UT	16.5	16.5 UT	16.5 UT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the comp

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
CLACKAMAS RIVER HATCHERY ADULT CHINOOK														
Fillet														
Aroclors														
Aroclor 1016	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1221	ug/kg-Wet	3	0	0						8.9 U	18 U	6	4.55 U	4.55 U
Aroclor 1232	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1242	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1248	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1254	ug/kg-Wet	3	3	100	9.5 J	20 J	14.8	15 J	15 J	9.5 J	20 J	14.8	15 J	15 J
Aroclor 1260	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1262	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Aroclor 1268	ug/kg-Wet	3	0	0						4.5 U	9.2 U	3.03	2.25 U	2.25 U
Total PCB Aroclors	ug/kg-Wet	3	3	100	9.5 J	20 J	14.8	15 J	15 J	9.5 J	20 J	14.8	15 J	15 J
Dioxin_Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	3	2	66.7	0.0245 T	0.026	0.0253	0.0245 T	0.0245 T	0.02 UT	0.026	0.0202	0.0245 T	0.0245 T
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	2	66.7	0.084 T	0.13 T	0.107	0.084 T	0.084 T	0.038 U	0.13 T	0.0777	0.084 T	0.084 T
Hexachlorodibenzofuran homologs	pg/g-Wet	3	2	66.7	0.02	0.022 T	0.021	0.02	0.02	0.02	0.022 T	0.0173	0.02	0.02
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.0505 T	0.065	0.0587	0.0605 T	0.0605 T	0.0505 T	0.065	0.0587	0.0605 T	0.0605 T
Octachlorodibenzofuran	pg/g-Wet	3	1	33.3	0.035 T	0.035 T	0.035	0.035 T	0.035 T	0.02 UT	0.035 T	0.0198	0.0145 U	0.0145 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.208 T	0.27 T	0.239	0.208 T	0.208 T	0.02 U	0.27 T	0.163	0.208 T	0.208 T
Pentachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.131 T	0.224	0.185	0.201 T	0.201 T	0.131 T	0.224	0.185	0.201 T	0.201 T
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.042 T	0.057	0.05	0.051 T	0.051 T	0.042 T	0.057	0.05	0.051 T	0.051 T
Tetrachlorodibenzofuran homologs	pg/g-Wet	3	3	100	0.598 T	0.969 T	0.84	0.952	0.952	0.598 T	0.969 T	0.84	0.952	0.952
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	3	3	100	0.064 T	0.072	0.069	0.071 T	0.071 T	0.064 T	0.072	0.069	0.071 T	0.071 T
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	3	2	66.7	0.022 T	0.026	0.024	0.022 T	0.022 T	0.02 UT	0.026	0.0193	0.022 T	0.022 T
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	3	2	66.7	0.054 T	0.093 T	0.0735	0.054 T	0.054 T	0.054 T	0.093 T	0.0632	0.054 T	0.054 T
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	0	0						0.02 U	0.02 UT	0.01	0.01 UT	0.01 UT
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.039 T	0.065	0.0515	0.0505 T	0.0505 T	0.039 T	0.065	0.0515	0.0505 T	0.0505 T
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	3	100	0.033 T	0.037	0.0345	0.0335 T	0.0335 T	0.033 T	0.037	0.0345	0.0335 T	0.0335 T
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	3	3	100	0.042 T	0.057	0.05	0.051 T	0.051 T	0.042 T	0.057	0.05	0.051 T	0.051 T
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	3	0	0						0.019 UT	0.02 UT	0.00983	0.01 U	0.01 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	3	3	100	0.071 T	0.105	0.0903	0.095 T	0.095 T	0.071 T	0.105	0.0903	0.095 T	0.095 T
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	3	3	100	0.417 T	0.743	0.611	0.673 T	0.673 T	0.417 T	0.743	0.611	0.673 T	0.673 T
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	3	1	33.3	0.032 T	0.032 T	0.032	0.032 T	0.032 T	0.028 UT	0.038 U	0.0217	0.019 U	0.019 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.158 T	0.192 T	0.174	0.173 T	0.173 T	0.158 T	0.192 T	0.174	0.173 T	0.173 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.178 T	0.286 T	0.242	0.261 T	0.261 T	0.178 T	0.286 T	0.242	0.261 T	0.261 T
Total PCDD/F	pg/g-Wet	3	3	100	1.31 T	1.71 T	1.48	1.42 T	1.42 T	1.31 T	1.71 T	1.48	1.42 T	1.42 T
Total TCDD toxicity equivalent	pg/g-Wet	3	3	100	0.336 T	0.478 T	0.416	0.434 T	0.434 T	0.336 T	0.478 T	0.416	0.434 T	0.434 T
Metals														
Aluminum	mg/kg-Wet	3	0	0						3 U	3.17 U	1.55	1.55 U	1.55 U
Antimony	mg/kg-Wet	3	0	0						0.12 U	0.127 U	0.062	0.0625 U	0.0625 U
Arsenic	mg/kg-Wet	3	3	100	0.72	1.26	1.03	1.11	1.11	0.72	1.26	1.03	1.11	1.11
Barium	mg/kg-Wet	3	0	0						0.075 U	0.0793 U	0.0388	0.03915 U	0.03915 U
Beryllium	mg/kg-Wet	3	0	0						0.006 U	0.00634 U	0.0031	0.00313 U	0.00313 U
Cadmium	mg/kg-Wet	3	0	0						0.015 U	0.0159 U	0.00777	0.00785 U	0.00785 U
Calcium	mg/kg-Wet	3	3	100	284 J	374 J	322	309 J	309 J	284 J	374 J	322	309 J	309 J
Chromium	mg/kg-Wet	3	3	100	0.282	0.33	0.308	0.313	0.313	0.282	0.33	0.308	0.313	0.313
Cobalt	mg/kg-Wet	3	3	100	0.0729	0.271	0.154	0.119	0.119	0.0729	0.271	0.154	0.119	0.119
Copper	mg/kg-Wet	3	3	100	0.507	0.532	0.516	0.51	0.51	0.507	0.532	0.516	0.51	0.51
Iron	mg/kg-Wet	3	3	100	3.57	4.29	3.96	4.03	4.03	3.57	4.29	3.96	4.03	4.03
Lead	mg/kg-Wet	3	0	0						0.015 U	0.0159 U	0.00777	0.00785 U	0.00785 U
Magnesium	mg/kg-Wet	3	3	100	262	280	271	271	271	262	280	271	271	271
Manganese	mg/kg-Wet	3	3	100	0.0876	0.0951	0.0909	0.09	0.09	0.0876	0.0951	0.0909	0.09	0.09
Nickel	mg/kg-Wet	3	0	0						0.045 U	0.0476 U	0.0233	0.0235 U	0.0235 U
Potassium	mg/kg-Wet	3	3	100	4260	4630	4420	4380	4380	4260	4630	4420	4380	4380
Selenium	mg/kg-Wet	3	3	100	0.264	0.344	0.307	0.314	0.314	0.264	0.344	0.307	0.314	0.314
Silver	mg/kg-Wet	3	0	0						0.015 U	0.0159 U	0.00777	0.00785 U	0.00785 U
Sodium	mg/kg-Wet	3	3	100	357 JK	371 JK	363	360 JK	360 JK	357 JK	371 JK	363	360 JK	360 JK
Thallium	mg/kg-Wet	3	0	0						0.075 U	0.0793 U	0.0388	0.03915 U	0.03915 U
Vanadium	mg/kg-Wet	3	0	0						0.12 U	0.127 U	0.062	0.0625 U	0.0625 U
Zinc	mg/kg-Wet	3	3	100	4.56	4.6	4.58	4.57	4.57	4.56	4.6	4.58	4.57	4.57
PAHs														
1-Methylnaphthalene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
2-Methylnaphthalene	ug/kg-Wet	3	1	33.3	5.4	5.4	5.4	5.4	5.4	3.8 U	5.4	3.13	2.1 U	2.1 U
Acenaphthene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Acenaphthylene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Anthracene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Benzo(a)anthracene	ug/kg-Wet	3	0	0						15 U	16 U	7.67	7.5 U	7.5 U

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(a)pyrene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Benzo(b)fluoranthene	ug/kg-Wet	3	0	0						7.6 U	7.9 U	3.87	3.85 U	3.85 U
Benzo(b+k)fluoranthene	ug/kg-Wet	3	0	0						7.6 U	7.9 U	3.87	3.85 U	3.85 U
Benzo(g,h,i)perylene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Benzo(k)fluoranthene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Chrysene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Dibenzo(a,h)anthracene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Fluoranthene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Fluorene	ug/kg-Wet	3	1	33.3	1.8 J	1.8 J	1.8	1.8 J	1.8 J	1.8 J	3.8 U	1.87	1.9 U	1.9 U
High Molecular Weight PAH	ug/kg-Wet	3	0	0						15 UT	16 UT	7.67	7.5 UT	7.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Low Molecular Weight PAH	ug/kg-Wet	3	2	66.7	1.8 JT	5.4 T	3.6	1.8 JT	1.8 JT	1.8 JT	5.4 T	3.03	1.9 UT	1.9 UT
Naphthalene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Phenanthrene	ug/kg-Wet	3	0	0						3.8 U	4.1 U	1.95	1.9 U	1.9 U
Pyrene	ug/kg-Wet	3	0	0						15 U	16 U	7.67	7.5 U	7.5 U
Total PAHs	ug/kg-Wet	3	2	66.7	1.8 JT	5.4 T	3.6	1.8 JT	1.8 JT	1.8 JT	15 UT	4.9	5.4 T	5.4 T
PBDE_Congeners														
PBDE001	pg/g-Wet	3	0	0						3.04 U	22.1 U	4.89	2.11 U	2.11 U
PBDE002	pg/g-Wet	3	0	0						3.04 U	22.1 U	4.89	2.11 U	2.11 U
PBDE003	pg/g-Wet	3	0	0						3.04 U	22.1 U	4.89	2.11 U	2.11 U
PBDE007	pg/g-Wet	3	3	100	0.33	0.789	0.63	0.772	0.772	0.33	0.789	0.63	0.772	0.772
PBDE008 & PBDE011	pg/g-Wet	3	3	100	0.456	0.682	0.597	0.652	0.652	0.456	0.682	0.597	0.652	0.652
PBDE010	pg/g-Wet	3	2	66.7	0.286 K	0.575 K	0.431	0.286 K	0.286 K	0.286 K	0.575 K	0.337	0.286 K	0.286 K
PBDE012	pg/g-Wet	3	1	33.3	0.208 K	0.208 K	0.208	0.208 K	0.208 K	0.208 K	0.3 U	0.169	0.15 U	0.15 U
PBDE013	pg/g-Wet	3	3	100	0.399	0.544	0.466	0.454	0.454	0.399	0.544	0.466	0.454	0.454
PBDE015	pg/g-Wet	3	3	100	5.07	5.93	5.46	5.37	5.37	5.07	5.93	5.46	5.37	5.37
PBDE017	pg/g-Wet	3	3	100	4.02	7.62	6.24	7.07	7.07	4.02	7.62	6.24	7.07	7.07
PBDE025	pg/g-Wet	3	3	100	5.04	9.98	7.89	8.65	8.65	5.04	9.98	7.89	8.65	8.65
PBDE028 & PBDE033	pg/g-Wet	3	3	100	34.3	61	50.7	56.7	56.7	34.3	61	50.7	56.7	56.7
PBDE030	pg/g-Wet	3	0	0						0.517 U	0.591 U	0.272	0.263 U	0.263 U
PBDE032	pg/g-Wet	3	0	0						0.517 U	0.591 U	0.272	0.263 U	0.263 U
PBDE035	pg/g-Wet	3	3	100	9.3 K	13.3 K	11.5	12 K	12 K	9.3 K	13.3 K	11.5	12 K	12 K
PBDE037	pg/g-Wet	3	3	100	0.803	0.97	0.878	0.862	0.862	0.803	0.97	0.878	0.862	0.862
PBDE047	pg/g-Wet	3	3	100	802	1150	1030	1140	1140	802	1150	1030	1140	1140
PBDE049	pg/g-Wet	3	3	100	105	155	131	132	132	105	155	131	132	132
PBDE066	pg/g-Wet	3	3	100	26.4	38.5	33.5	35.7	35.7	26.4	38.5	33.5	35.7	35.7
PBDE071	pg/g-Wet	3	0	0						0.1 U	1.29 U	0.425	0.58 U	0.58 U
PBDE075	pg/g-Wet	3	3	100	1.87	2.12	2.02	2.08	2.08	1.87	2.12	2.02	2.08	2.08
PBDE077	pg/g-Wet	3	1	33.3	0.86	0.86	0.86	0.86	0.86	0.86	1.29 U	0.695	0.645 U	0.645 U
PBDE085	pg/g-Wet	3	2	66.7	0.66	0.73	0.695	0.66	0.66	0.66	0.973 U	0.626	0.66	0.66
PBDE099	pg/g-Wet	3	3	100	238	301	275	285	285	238	301	275	285	285
PBDE100	pg/g-Wet	3	3	100	147	214	184	192	192	147	214	184	192	192
PBDE105	pg/g-Wet	3	0	0						0.087 U	0.654 U	0.174	0.152 U	0.152 U
PBDE116	pg/g-Wet	3	0	0						0.087 U	0.654 U	0.174	0.152 U	0.152 U
PBDE119	pg/g-Wet	3	3	100	1.87	3.56	2.88	3.2	3.2	1.87	3.56	2.88	3.2	3.2
PBDE126	pg/g-Wet	3	3	100	0.608	0.978	0.765	0.709	0.709	0.608	0.978	0.765	0.709	0.709
PBDE138 & PBDE166	pg/g-Wet	3	2	66.7	0.155	0.294 K	0.225	0.155	0.155	0.155	0.294 K	0.18	0.155	0.155
PBDE140	pg/g-Wet	3	3	100	0.31	0.457 K	0.378	0.366 K	0.366 K	0.31	0.457 K	0.378	0.366 K	0.366 K
PBDE153	pg/g-Wet	3	3	100	23.1	31	27.8	29.2	29.2	23.1	31	27.8	29.2	29.2
PBDE154	pg/g-Wet	3	3	100	35.1	50.7	44.8	48.6	48.6	35.1	50.7	44.8	48.6	48.6
PBDE155	pg/g-Wet	3	3	100	8.19	13.7	11.7	13.1	13.1	8.19	13.7	11.7	13.1	13.1
PBDE181	pg/g-Wet	3	0	0						0.1 U	0.231 U	0.077	0.0655 U	0.0655 U
PBDE183	pg/g-Wet	3	3	100	1.73	4.81	2.88	2.1	2.1	1.73	4.81	2.88	2.1	2.1
PBDE190	pg/g-Wet	3	0	0						0.119 U	0.396 U	0.123	0.1125 U	0.1125 U
PBDE206	pg/g-Wet	3	2	66.7	0.172 K	0.409 K	0.291	0.172 K	0.172 K	0.172 K	0.409 K	0.241	0.172 K	0.172 K
PBDE207	pg/g-Wet	3	3	100	0.362	1.12	0.658	0.491	0.491	0.362	1.12	0.658	0.491	0.491
PBDE208	pg/g-Wet	3	1	33.3	0.146	0.146	0.146	0.146	0.146	0.146	0.314 U	0.148	0.146	0.146
PBDE209	pg/g-Wet	3	0	0						6.83 U	19.2 U	6.27	5.8 U	5.8 U
PCB_Congeners														
PCB001	ug/kg-Wet	3	3	100	0.000973	0.00165	0.0014	0.00157	0.00157	0.000973	0.00165	0.0014	0.00157	0.00157
PCB002	ug/kg-Wet	3	3	100	0.00118 K	0.00215	0.00182	0.00213	0.00213	0.00118 K	0.00215	0.00182	0.00213	0.00213
PCB003	ug/kg-Wet	3	3	100	0.00137 K	0.00339	0.00227	0.00205	0.00205	0.00137 K	0.00339	0.00227	0.00205	0.00205
PCB004	ug/kg-Wet	3	3	100	0.0114	0.0124	0.0119	0.0118	0.0118	0.0114	0.0124	0.0119	0.0118	0.0118
PCB005	ug/kg-Wet	3	0	0						0.000801 U	0.00366 U	0.00121	0.001405 U	0.001405 U
PCB006	ug/kg-Wet	3	3	100	0.00355	0.00441	0.00386	0.00361	0.00361	0.00355	0.00441	0.00386	0.00361	0.00361
PCB007	ug/kg-Wet	3	1	33.3	0.000926	0.000926	0.000926	0.000926	0.00093	0.000926	0.00344 U	0.00132	0.00132 U	0.00132 U
PCB008	ug/kg-Wet	3	3	100	0.0198	0.0234	0.0211	0.02	0.02	0.0198	0.0234	0.0211	0.02	0.02
PCB009	ug/kg-Wet	3	1	33.3	0.00152	0.00152	0.00152	0.00152	0.00152	0.00152	0.00345 U	0.00152	0.00152	0.00152
PCB010	ug/kg-Wet	3	0	0						0.000805 U	0.00355 U	0.00118	0.001365 U	0.001365 U
PCB011	ug/kg-Wet	3	3	100	0.0677	0.0843	0.0786	0.0837	0.0837	0.0677	0.0843	0.0786	0.0837	0.0837
PCB012 & 013	ug/kg-Wet	3	1	33.3	0.00183 K	0.00183 K	0.00183	0.00183 K	0.00183 K	0.00183 K	0.0036 U	0.00167	0.0018 U	0.0018 U
PCB014	ug/kg-Wet	3	0	0						0.000777 U	0.0036 U	0.00119	0.001385 U	0.001385 U
PCB015	ug/kg-Wet	3	3	100	0.00407	0.00454	0.00425	0.00413	0.00413	0.00407	0.00454	0.00425	0.00413	0.00413
PCB016	ug/kg-Wet	3	3	100	0.0113	0.0207	0.017	0.0191	0.0191	0.0113	0.0207	0.017	0.0191	0.0191

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB017	ug/kg-Wet	3	3	100	0.0239	0.0329	0.0274	0.0255	0.0255	0.0239	0.0329	0.0274	0.0255	0.0255
PCB018 & 030	ug/kg-Wet	3	3	100	0.0681	0.101	0.0818	0.0764	0.0764	0.0681	0.101	0.0818	0.0764	0.0764
PCB019	ug/kg-Wet	3	3	100	0.0072	0.00914	0.00849	0.00913	0.00913	0.0072	0.00914	0.00849	0.00913	0.00913
PCB020 & 028	ug/kg-Wet	3	3	100	0.216	0.325	0.282	0.306	0.306	0.216	0.325	0.282	0.306	0.306
PCB021 & 033	ug/kg-Wet	3	3	100	0.0617	0.0745	0.0695	0.0724	0.0724	0.0617	0.0745	0.0695	0.0724	0.0724
PCB022	ug/kg-Wet	3	3	100	0.0472	0.0616	0.0558	0.0587	0.0587	0.0472	0.0616	0.0558	0.0587	0.0587
PCB023	ug/kg-Wet	3	3	100	0.000777 K	0.00101 K	0.000861	0.000797	0.0008	0.000777 K	0.00101 K	0.000861	0.000797	0.000797
PCB024	ug/kg-Wet	3	3	100	0.00114 K	0.00189	0.00146	0.00135 K	0.00135 K	0.00114 K	0.00189	0.00146	0.00135 K	0.00135 K
PCB025	ug/kg-Wet	3	3	100	0.00913	0.0119	0.0109	0.0117	0.0117	0.00913	0.0119	0.0109	0.0117	0.0117
PCB026 & 029	ug/kg-Wet	3	3	100	0.0315	0.0429	0.0383	0.0406	0.0406	0.0315	0.0429	0.0383	0.0406	0.0406
PCB027	ug/kg-Wet	3	3	100	0.00271 K	0.00553	0.00439	0.00492	0.00492	0.00271 K	0.00553	0.00439	0.00492	0.00492
PCB031	ug/kg-Wet	3	3	100	0.194	0.266	0.239	0.256	0.256	0.194	0.266	0.239	0.256	0.256
PCB032	ug/kg-Wet	3	3	100	0.00868	0.014	0.012	0.0133	0.0133	0.00868	0.014	0.012	0.0133	0.0133
PCB034	ug/kg-Wet	3	3	100	0.00149 K	0.00224	0.00196	0.00216	0.00216	0.00149 K	0.00224	0.00196	0.00216	0.00216
PCB035	ug/kg-Wet	3	0	0						0.000188 U	0.000387 U	0.000139	0.000129 U	0.000129 U
PCB036	ug/kg-Wet	3	2	66.7	0.000375 K	0.000544 K	0.00046	0.000375 K	0.00038 K	0.000346 U	0.000544 K	0.000364	0.000375 K	0.000375 K
PCB037	ug/kg-Wet	3	3	100	0.00578	0.00728	0.0066	0.00673	0.00673	0.00578	0.00728	0.0066	0.00673	0.00673
PCB038	ug/kg-Wet	3	3	100	0.00033 K	0.000522 K	0.000407	0.00037 K	0.00037 K	0.00033 K	0.000522 K	0.000407	0.00037 K	0.00037 K
PCB039	ug/kg-Wet	3	2	66.7	0.00225	0.00258	0.00242	0.00225	0.00225	0.00225	0.00288 U	0.00209	0.00225	0.00225
PCB040 & 041 & 071	ug/kg-Wet	3	3	100	0.0653	0.125	0.0994	0.108	0.108	0.0653	0.125	0.0994	0.108	0.108
PCB042	ug/kg-Wet	3	3	100	0.0194	0.0592	0.0395	0.0398	0.0398	0.0194	0.0592	0.0395	0.0398	0.0398
PCB043	ug/kg-Wet	3	3	100	0.00654	0.0117	0.00968	0.0108	0.0108	0.00654	0.0117	0.00968	0.0108	0.0108
PCB044 & 047 & 065	ug/kg-Wet	3	3	100	0.263	0.433	0.351	0.356	0.356	0.263	0.433	0.351	0.356	0.356
PCB045 & 051	ug/kg-Wet	3	3	100	0.0163	0.0251	0.0198	0.0179	0.0179	0.0163	0.0251	0.0198	0.0179	0.0179
PCB046	ug/kg-Wet	3	3	100	0.00174	0.00292	0.00238	0.00248 K	0.00248 K	0.00174	0.00292	0.00238	0.00248 K	0.00248 K
PCB048	ug/kg-Wet	3	3	100	0.0184	0.0238	0.0211	0.021	0.021	0.0184	0.0238	0.0211	0.021	0.021
PCB049 & 069	ug/kg-Wet	3	3	100	0.135	0.196	0.174	0.19	0.19	0.135	0.196	0.174	0.19	0.19
PCB050 & 053	ug/kg-Wet	3	3	100	0.0174	0.0249	0.0213	0.0215	0.0215	0.0174	0.0249	0.0213	0.0215	0.0215
PCB052	ug/kg-Wet	3	3	100	0.403	0.639	0.547	0.599	0.599	0.403	0.639	0.547	0.599	0.599
PCB054	ug/kg-Wet	3	3	100	0.000472 K	0.000799	0.000641	0.000651 K	0.00065 K	0.000472 K	0.000799	0.000641	0.000651 K	0.000651 K
PCB055	ug/kg-Wet	3	1	33.3	0.00302	0.00302	0.00302	0.00302	0.00302	0.0009 U	0.00423 U	0.00186	0.002115 U	0.002115 U
PCB056	ug/kg-Wet	3	3	100	0.0323	0.0515	0.0408	0.0386	0.0386	0.0323	0.0515	0.0408	0.0386	0.0386
PCB057	ug/kg-Wet	3	2	66.7	0.00223	0.00302	0.00263	0.00223	0.00223	0.00223	0.0041 U	0.00243	0.00223	0.00223
PCB058	ug/kg-Wet	3	2	66.7	0.00122 K	0.00317	0.0022	0.00122 K	0.00122 K	0.00122 K	0.004 U	0.00213	0.002 U	0.002 U
PCB059 & 062 & 075	ug/kg-Wet	3	3	100	0.018	0.031	0.0261	0.0293	0.0293	0.018	0.031	0.0261	0.0293	0.0293
PCB060	ug/kg-Wet	3	3	100	0.0575	0.109	0.0837	0.0846	0.0846	0.0575	0.109	0.0837	0.0846	0.0846
PCB061 & 070 & 074 & 076	ug/kg-Wet	3	3	100	0.457	0.781	0.623	0.631	0.631	0.457	0.781	0.623	0.631	0.631
PCB063	ug/kg-Wet	3	3	100	0.0134	0.0229	0.0188	0.0201	0.0201	0.0134	0.0229	0.0188	0.0201	0.0201
PCB064	ug/kg-Wet	3	3	100	0.0692	0.14	0.109	0.118	0.118	0.0692	0.14	0.109	0.118	0.118
PCB066	ug/kg-Wet	3	3	100	0.199	0.352	0.278	0.282	0.282	0.199	0.352	0.278	0.282	0.282
PCB067	ug/kg-Wet	3	3	100	0.00559	0.00711	0.00655	0.00694	0.00694	0.00559	0.00711	0.00655	0.00694	0.00694
PCB068	ug/kg-Wet	3	3	100	0.014	0.0273	0.0187	0.0147	0.0147	0.014	0.0273	0.0187	0.0147	0.0147
PCB072	ug/kg-Wet	3	3	100	0.00502	0.00827	0.0066	0.00652	0.00652	0.00502	0.00827	0.0066	0.00652	0.00652
PCB073	ug/kg-Wet	3	1	33.3	0.00174 K	0.00174 K	0.00174	0.00174 K	0.00174 K	0.000065 U	0.00174 K	0.000618	0.000082 U	0.000082 U
PCB077	ug/kg-Wet	3	3	100	0.00548	0.00645	0.00588	0.00571	0.00571	0.00548	0.00645	0.00588	0.00571	0.00571
PCB078	ug/kg-Wet	3	0	0						0.000585 U	0.00421 U	0.000947	0.0004435 U	0.0004435 U
PCB079	ug/kg-Wet	3	3	100	0.00542	0.00985	0.00771	0.00787	0.00787	0.00542	0.00985	0.00771	0.00787	0.00787
PCB080	ug/kg-Wet	3	1	33.3	0.000891	0.000891	0.000891	0.000891	0.00089	0.000529 U	0.00383 U	0.00102	0.000891	0.000891
PCB081	ug/kg-Wet	3	3	100	0.000404 K	0.000526	0.000449	0.000418	0.00042	0.000404 K	0.000526	0.000449	0.000418	0.000418
PCB082	ug/kg-Wet	3	3	100	0.0277	0.0529	0.0424	0.0465	0.0465	0.0277	0.0529	0.0424	0.0465	0.0465
PCB083 & 099	ug/kg-Wet	3	3	100	0.348	0.68	0.543	0.601	0.601	0.348	0.68	0.543	0.601	0.601
PCB084	ug/kg-Wet	3	3	100	0.0452	0.0765	0.0656	0.075	0.075	0.0452	0.0765	0.0656	0.075	0.075
PCB085 & 116 & 117	ug/kg-Wet	3	3	100	0.0973	0.189	0.149	0.162	0.162	0.0973	0.189	0.149	0.162	0.162
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	3	3	100	0.25	0.454	0.374	0.417	0.417	0.25	0.454	0.374	0.417	0.417
PCB088 & 091	ug/kg-Wet	3	3	100	0.0363	0.0741	0.0592	0.0672	0.0672	0.0363	0.0741	0.0592	0.0672	0.0672
PCB089	ug/kg-Wet	3	3	100	0.00238 K	0.00453 K	0.0037	0.00418	0.00418	0.00238 K	0.00453 K	0.0037	0.00418	0.00418
PCB090 & 101 & 113	ug/kg-Wet	3	3	100	0.47	0.976	0.769	0.86	0.86	0.47	0.976	0.769	0.86	0.86
PCB092	ug/kg-Wet	3	3	100	0.11	0.193	0.16	0.176	0.176	0.11	0.193	0.16	0.176	0.176
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	3	3	100	0.352	0.58	0.502	0.573	0.573	0.352	0.58	0.502	0.573	0.573
PCB094	ug/kg-Wet	3	3	100	0.00165	0.00235 K	0.00202	0.00206 K	0.00206 K	0.00165	0.00235 K	0.00202	0.00206 K	0.00206 K
PCB096	ug/kg-Wet	3	3	100	0.000569	0.0011 K	0.0008	0.000731	0.00073	0.000569	0.0011 K	0.0008	0.000731	0.000731
PCB103	ug/kg-Wet	3	3	100	0.00413	0.00559	0.00506	0.00545	0.00545	0.00413	0.00559	0.00506	0.00545	0.00545
PCB104	ug/kg-Wet	3	3	100	0.000154 K	0.000235	0.000185	0.000167 K	0.00017 K	0.000154 K	0.000235	0.000185	0.000167 K	0.000167 K
PCB105	ug/kg-Wet	3	3	100	0.117	0.229	0.179	0.191	0.191	0.117	0.229	0.179	0.191	0.191
PCB106	ug/kg-Wet	3	0	0						0.000596 U	0.00298 U	0.000709	0.000338 U	0.000338 U
PCB107 & 124	ug/kg-Wet	3	3	100	0.0145 K	0.0203 K	0.0177	0.0182 K	0.0182 K	0.0145 K	0.0203 K	0.0177	0.0182 K	0.0182 K
PCB109	ug/kg-Wet	3	3	100	0.0408	0.0814	0.0649	0.0724	0.0724	0.0408	0.0814	0.0649	0.0724	0.0724
PCB110 & 115	ug/kg-Wet	3	3	100	0.288	0.622	0.481	0.534	0.534	0.288	0.622	0.481	0.534	0.534
PCB111	ug/kg-Wet	3	3	100	0.00118	0.00199	0.00159	0.00159 K	0.00159 K	0.00118	0.00199	0.00159	0.00159 K	0.00159 K
PCB112	ug/kg-Wet	3	0	0						0.000251 U	0.00124 U	0.000327	0.0002345 U	0.0002345 U
PCB114	ug/kg-Wet	3	3	100	0.00782 K	0.0162	0.0128	0.0144	0.0144	0.00782 K	0.0162	0.0128	0.0144	0.0144
PCB118	ug/kg-Wet	3	3	100	0.369	0.697	0.55	0.584	0.584	0.369	0.697	0.55	0.584	0.584
PCB120	ug/kg-Wet	3	3	100	0.00457 K	0.00823	0.00652	0.00677	0.00677	0.00457 K	0.00823	0.00652	0.00677	0.00677
PCB121	ug/kg-Wet	3	3	100	0.00197	0.00356	0.00288	0.0031	0.0031	0.00197	0.00356	0.00288	0.0031	0.0031

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB122	ug/kg-Wet	3	2	66.7	0.00166	0.00417	0.00292	0.00166	0.00166	0.00166	0.00417	0.00252	0.001725 U	0.001725 U
PCB123	ug/kg-Wet	3	3	100	0.00651	0.0126	0.01	0.0109	0.0109	0.00651	0.0126	0.01	0.0109	0.0109
PCB126	ug/kg-Wet	3	3	100	0.00107	0.00154	0.00138	0.00152	0.00152	0.00107	0.00154	0.00138	0.00152	0.00152
PCB127	ug/kg-Wet	3	0	0						0.000615 U	0.00305 U	0.000727	0.0003485 U	0.0003485 U
PCB128 & 166	ug/kg-Wet	3	3	100	0.0706	0.126	0.104	0.116	0.116	0.0706	0.126	0.104	0.116	0.116
PCB129 & 138 & 160 & 163	ug/kg-Wet	3	3	100	0.609	1.12	0.92	1.03	1.03	0.609	1.12	0.92	1.03	1.03
PCB130	ug/kg-Wet	3	3	100	0.0345	0.0583	0.05	0.0571	0.0571	0.0345	0.0583	0.05	0.0571	0.0571
PCB131	ug/kg-Wet	3	3	100	0.00244	0.00442	0.00339	0.00332	0.00332	0.00244	0.00442	0.00339	0.00332	0.00332
PCB132	ug/kg-Wet	3	3	100	0.102	0.177	0.149	0.169	0.169	0.102	0.177	0.149	0.169	0.169
PCB133	ug/kg-Wet	3	3	100	0.0144	0.0261	0.0212	0.0231	0.0231	0.0144	0.0261	0.0212	0.0231	0.0231
PCB134 & 143	ug/kg-Wet	3	3	100	0.0239	0.0368	0.0313	0.0331	0.0331	0.0239	0.0368	0.0313	0.0331	0.0331
PCB135 & 151 & 154	ug/kg-Wet	3	3	100	0.202	0.323	0.28	0.316	0.316	0.202	0.323	0.28	0.316	0.316
PCB136	ug/kg-Wet	3	3	100	0.0357	0.0604	0.0518	0.0594	0.0594	0.0357	0.0604	0.0518	0.0594	0.0594
PCB137	ug/kg-Wet	3	3	100	0.0222	0.0439	0.0343	0.0367	0.0367	0.0222	0.0439	0.0343	0.0367	0.0367
PCB139 & 140	ug/kg-Wet	3	3	100	0.00922	0.0164	0.0132	0.014	0.014	0.00922	0.0164	0.0132	0.014	0.014
PCB141	ug/kg-Wet	3	3	100	0.0657	0.106	0.0926	0.106	0.106	0.0657	0.106	0.0926	0.106	0.106
PCB142	ug/kg-Wet	3	0	0						0.000307 U	0.00251 U	0.000537	0.0002035 U	0.0002035 U
PCB144	ug/kg-Wet	3	3	100	0.0209	0.0359	0.0294	0.0315	0.0315	0.0209	0.0359	0.0294	0.0315	0.0315
PCB145	ug/kg-Wet	3	3	100	0.000115 K	0.000197 K	0.000156	0.000156 K	0.00016 K	0.000115 K	0.000197 K	0.000156	0.000156 K	0.000156 K
PCB146	ug/kg-Wet	3	3	100	0.131	0.233	0.187	0.196	0.196	0.131	0.233	0.187	0.196	0.196
PCB147 & 149	ug/kg-Wet	3	3	100	0.362	0.701	0.565	0.633	0.633	0.362	0.701	0.565	0.633	0.633
PCB148	ug/kg-Wet	3	3	100	0.00192	0.00429 K	0.00296	0.00266 K	0.00266 K	0.00192	0.00429 K	0.00296	0.00266 K	0.00266 K
PCB150	ug/kg-Wet	3	3	100	0.000829 K	0.00186 K	0.00145	0.00166 K	0.00166 K	0.000829 K	0.00186 K	0.00145	0.00166 K	0.00166 K
PCB152	ug/kg-Wet	3	2	66.7	0.000077 K	0.000279 K	0.000178	0.000077 K	7.7E-05 K	0.0000159 U	0.000279 K	0.000121	0.000077 K	0.000077 K
PCB153 & 168	ug/kg-Wet	3	3	100	0.717	1.35	1.1	1.22	1.22	0.717	1.35	1.1	1.22	1.22
PCB155	ug/kg-Wet	3	3	100	0.00354	0.00515	0.00448	0.00475	0.00475	0.00354	0.00515	0.00448	0.00475	0.00475
PCB156	ug/kg-Wet	3	3	100	0.022	0.0362	0.0304	0.033	0.033	0.022	0.0362	0.0304	0.033	0.033
PCB157	ug/kg-Wet	3	3	100	0.00621	0.012	0.0097	0.0109	0.0109	0.00621	0.012	0.0097	0.0109	0.0109
PCB158	ug/kg-Wet	3	3	100	0.0312	0.0529	0.0446	0.0496	0.0496	0.0312	0.0529	0.0446	0.0496	0.0496
PCB159	ug/kg-Wet	3	3	100	0.00244	0.00441	0.0036	0.00396	0.00396	0.00244	0.00441	0.0036	0.00396	0.00396
PCB161	ug/kg-Wet	3	0	0						0.000206 U	0.00185 U	0.000388	0.000136 U	0.000136 U
PCB162	ug/kg-Wet	3	3	100	0.00283	0.00616	0.0045	0.0045	0.0045	0.00283	0.00616	0.0045	0.0045	0.0045
PCB164	ug/kg-Wet	3	3	100	0.0225	0.0382	0.0327	0.0374	0.0374	0.0225	0.0382	0.0327	0.0374	0.0374
PCB165	ug/kg-Wet	3	1	33.3	0.000943	0.000943	0.000943	0.000943	0.00094	0.000303 U	0.00195 U	0.00069	0.000943	0.000943
PCB167	ug/kg-Wet	3	3	100	0.0137	0.0253	0.0196	0.0199	0.0199	0.0137	0.0253	0.0196	0.0199	0.0199
PCB169	ug/kg-Wet	3	2	66.7	0.000309 K	0.000498 K	0.000404	0.000309 K	0.00031 K	0.000309 K	0.000519 U	0.000356	0.000309 K	0.000309 K
PCB170	ug/kg-Wet	3	3	100	0.0586	0.11	0.0858	0.0889	0.0889	0.0586	0.11	0.0858	0.0889	0.0889
PCB171 & 173	ug/kg-Wet	3	3	100	0.0226	0.0409	0.0326	0.0343	0.0343	0.0226	0.0409	0.0326	0.0343	0.0343
PCB172	ug/kg-Wet	3	3	100	0.0152	0.0271	0.0223	0.0247	0.0247	0.0152	0.0271	0.0223	0.0247	0.0247
PCB174	ug/kg-Wet	3	3	100	0.0595	0.0962	0.0823	0.0911	0.0911	0.0595	0.0962	0.0823	0.0911	0.0911
PCB175	ug/kg-Wet	3	3	100	0.00582	0.0102	0.00822	0.00864	0.00864	0.00582	0.0102	0.00822	0.00864	0.00864
PCB176	ug/kg-Wet	3	3	100	0.00961	0.0176	0.0144	0.0161	0.0161	0.00961	0.0176	0.0144	0.0161	0.0161
PCB177	ug/kg-Wet	3	3	100	0.059	0.104	0.085	0.0919	0.0919	0.059	0.104	0.085	0.0919	0.0919
PCB178	ug/kg-Wet	3	3	100	0.037	0.0645	0.0528	0.0568	0.0568	0.037	0.0645	0.0528	0.0568	0.0568
PCB179	ug/kg-Wet	3	3	100	0.0394	0.0604	0.0532	0.0598	0.0598	0.0394	0.0604	0.0532	0.0598	0.0598
PCB180 & 193	ug/kg-Wet	3	3	100	0.181	0.335	0.267	0.284	0.284	0.181	0.335	0.267	0.284	0.284
PCB181	ug/kg-Wet	3	3	100	0.000868 K	0.00127	0.00106	0.00104 K	0.00104 K	0.000868 K	0.00127	0.00106	0.00104 K	0.00104 K
PCB182	ug/kg-Wet	3	3	100	0.00177 K	0.00308 K	0.00252	0.0027 K	0.0027 K	0.00177 K	0.00308 K	0.00252	0.0027 K	0.0027 K
PCB183 & 185	ug/kg-Wet	3	3	100	0.0724	0.132	0.106	0.113	0.113	0.0724	0.132	0.106	0.113	0.113
PCB184	ug/kg-Wet	3	3	100	0.00199 K	0.0032 K	0.0028	0.0032	0.0032	0.00199 K	0.0032 K	0.0028	0.0032	0.0032
PCB186	ug/kg-Wet	3	1	33.3	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.000129 U	0.0000575	0.0000645 U	0.0000645 U
PCB187	ug/kg-Wet	3	3	100	0.216	0.385	0.315	0.345	0.345	0.216	0.385	0.315	0.345	0.345
PCB188	ug/kg-Wet	3	3	100	0.000841	0.00153	0.00118	0.00117	0.00117	0.000841	0.00153	0.00118	0.00117	0.00117
PCB189	ug/kg-Wet	3	3	100	0.00223	0.00391	0.00317	0.00338	0.00338	0.00223	0.00391	0.00317	0.00338	0.00338
PCB190	ug/kg-Wet	3	3	100	0.0112	0.0179	0.0152	0.0165	0.0165	0.0112	0.0179	0.0152	0.0165	0.0165
PCB191	ug/kg-Wet	3	3	100	0.00275	0.00477	0.00394	0.00429	0.00429	0.00275	0.00477	0.00394	0.00429	0.00429
PCB192	ug/kg-Wet	3	2	66.7	0.000092 K	0.00011 K	0.000101	0.000092 K	9.2E-05 K	0.000092 K	0.000139 U	0.0000905	0.000092 K	0.000092 K
PCB194	ug/kg-Wet	3	3	100	0.02	0.0352	0.0289	0.0315	0.0315	0.02	0.0352	0.0289	0.0315	0.0315
PCB195	ug/kg-Wet	3	3	100	0.00765	0.0119 K	0.0103	0.0113	0.0113	0.00765	0.0119 K	0.0103	0.0113	0.0113
PCB196	ug/kg-Wet	3	3	100	0.0154	0.0256	0.0204	0.0201	0.0201	0.0154	0.0256	0.0204	0.0201	0.0201
PCB197 & 200	ug/kg-Wet	3	3	100	0.00389	0.00797	0.00563	0.00504	0.00504	0.00389	0.00797	0.00563	0.00504	0.00504
PCB198 & 199	ug/kg-Wet	3	3	100	0.042	0.0712	0.058	0.0608	0.0608	0.042	0.0712	0.058	0.0608	0.0608
PCB201	ug/kg-Wet	3	3	100	0.00767	0.0127	0.0101	0.00993	0.00993	0.00767	0.0127	0.0101	0.00993	0.00993
PCB202	ug/kg-Wet	3	3	100	0.0155	0.0271	0.0217	0.0225	0.0225	0.0155	0.0271	0.0217	0.0225	0.0225
PCB203	ug/kg-Wet	3	3	100	0.0219	0.0356	0.0289	0.0292	0.0292	0.0219	0.0356	0.0289	0.0292	0.0292
PCB204	ug/kg-Wet	3	3	100	0.000152 K	0.000254 K	0.000217	0.000246 K	0.00025 K	0.000152 K	0.000254 K	0.000217	0.000246 K	0.000246 K
PCB205	ug/kg-Wet	3	3	100	0.00146 K	0.00227	0.00192	0.00202	0.00202	0.00146 K	0.00227	0.00192	0.00202	0.00202
PCB206	ug/kg-Wet	3	3	100	0.0111	0.0167	0.0141	0.0144	0.0144	0.0111	0.0167	0.0141	0.0144	0.0144
PCB207	ug/kg-Wet	3	3	100	0.00332	0.00526 K	0.00426	0.0042	0.0042	0.00332	0.00526 K	0.00426	0.0042	0.0042
PCB208	ug/kg-Wet	3	3	100	0.00584	0.00962	0.00786	0.00811	0.00811	0.00584	0.00962	0.00786	0.00811	0.00811
PCB209	ug/kg-Wet	3	3	100	0.00689	0.0127	0.0099	0.0101	0.0101	0.00689	0.0127	0.0099	0.0101	0.0101
Total PCB Congeners	ug/kg-Wet	3	3	100	8.71	15.3	12.6	13.8	13.8	8.71	15.3	12.6	13.8	13.8
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.103	0.131	0.119	0.123	0.123	0.103	0.131	0.119	0.123	0.123

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

		#	#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Heptachlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.793	1.41	1.15	1.24	1.24	0.793	1.41	1.15	1.24	1.24
Hexachlorobiphenyl homologs	ug/kg-Wet	3	3	100	2.53	4.59	3.78	4.21	4.21	2.53	4.59	3.78	4.21	4.21
Monochlorobiphenyl homologs	ug/kg-Wet	3	2	66.7	0.000973	0.00165	0.00131	0.000973	0.00097	0.000697 U	0.00165	0.000991	0.000973	0.000973
Nonachlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.0203	0.0267	0.0244	0.0263	0.0263	0.0203	0.0267	0.0244	0.0263	0.0263
Octachlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.135	0.218	0.181	0.191	0.191	0.135	0.218	0.181	0.191	0.191
Pentachlorobiphenyl homologs	ug/kg-Wet	3	3	100	2.57	4.96	3.98	4.41	4.41	2.57	4.96	3.98	4.41	4.41
Tetrachlorobiphenyl homologs	ug/kg-Wet	3	3	100	1.84	3.08	2.51	2.62	2.62	1.84	3.08	2.51	2.62	2.62
Trichlorobiphenyl homologs	ug/kg-Wet	3	3	100	0.692	0.943	0.856	0.934	0.934	0.692	0.943	0.856	0.934	0.934
Pesticides														
2,4'-DDD	ug/kg-Wet	3	0	0						0.91 U	1 U	0.472	0.46 U	0.46 U
2,4'-DDE	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
2,4'-DDT	ug/kg-Wet	3	0	0						0.91 U	1.9 U	0.62	0.455 U	0.455 U
4,4'-DDD	ug/kg-Wet	3	0	0						1.7 U	3.6 U	1.17	0.85 U	0.85 U
4,4'-DDE	ug/kg-Wet	3	2	66.7	8.9 J	11 J	9.95	8.9 J	8.9 J	3.6 U	11 J	7.23	8.9 J	8.9 J
4,4'-DDT	ug/kg-Wet	3	2	66.7	1 J	2	1.5	1 J	1 J	1 J	2	1.18	1 J	1 J
Aldrin	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
alpha-Endosulfan	ug/kg-Wet	3	1	33.3	1.2 J	1.2 J	1.2	1.2 J	1.2 J	0.91 U	8.8 U	2.02	1.2 J	1.2 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
beta-Endosulfan	ug/kg-Wet	3	0	0						3.6 U	3.7 U	1.82	1.8 U	1.8 U
beta-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
Chlordane (cis & trans)	ug/kg-Wet	3	0	0						0.91 UT	5.8 UT	1.57	1.35 UT	1.35 UT
cis-Chlordane	ug/kg-Wet	3	0	0						0.91 U	5.8 U	1.57	1.35 U	1.35 U
delta-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						0.91 U	1 U	0.472	0.46 U	0.46 U
Dieldrin	ug/kg-Wet	3	1	33.3	2 J	2 J	2	2 J	2 J	1.6 U	3.6 U	1.53	1.8 U	1.8 U
Endosulfan sulfate	ug/kg-Wet	3	0	0						3.6 U	3.7 U	1.82	1.8 U	1.8 U
Endrin aldehyde	ug/kg-Wet	3	0	0						3.6 U	3.7 U	1.82	1.8 U	1.8 U
Endrin ketone	ug/kg-Wet	3	0	0						3.6 U	3.7 U	1.82	1.8 U	1.8 U
Endrin	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
Heptachlor epoxide	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
Heptachlor	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
Methoxychlor	ug/kg-Wet	3	0	0						3.6 U	3.7 U	1.82	1.8 U	1.8 U
Total Endosulfan	ug/kg-Wet	3	1	33.3	1.2 JT	1.2 JT	1.2	1.2 JT	1.2 JT	1.2 JT	8.8 UT	2.47	1.8 UT	1.8 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	3	2	66.7	10.9 JT	12 JT	11.5	10.9 JT	10.9 JT	3.6 UT	12 JT	8.23	10.9 JT	10.9 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	3	0	0						1.7 UT	3.6 UT	1.17	0.85 UT	0.85 UT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	3	2	66.7	8.9 JT	11 JT	9.95	8.9 JT	8.9 JT	3.6 UT	11 JT	7.23	8.9 JT	8.9 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	3	2	66.7	1 JT	2 T	1.5	1 JT	1 JT	1 JT	2 T	1.18	1 JT	1 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	3	2	66.7	10.9 J	12 J	11.5	10.9 J	10.9 J	3.6 U	12 J	8.23	10.9 J	10.9 J
trans-Chlordane	ug/kg-Wet	3	0	0						0.91 U	0.92 U	0.457	0.455 U	0.455 U
Phenols														
2,4,5-Trichlorophenol	ug/kg-Wet	2	0	0						15 U	15 U	7.5	7.5 U	7.5 U
2,4,6-Trichlorophenol	ug/kg-Wet	2	0	0						7.6 U	7.7 U	3.83	3.8 U	3.8 U
2,4-Dichlorophenol	ug/kg-Wet	2	0	0						3.8 U	3.8 U	1.9	1.9 U	1.9 U
2,4-Dimethylphenol	ug/kg-Wet	2	0	0						3.8 U	3.8 U	1.9	1.9 U	1.9 U
2-Chlorophenol	ug/kg-Wet	2	0	0						7.6 U	7.7 U	3.83	3.8 U	3.8 U
2-Nitrophenol	ug/kg-Wet	2	0	0						7.6 U	7.7 U	3.83	3.8 U	3.8 U
Phenol	ug/kg-Wet	2	0	0						35 U	42 U	19.3	17.5 U	17.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
1,2-Dichlorobenzene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
1,3-Dichlorobenzene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
1,4-Dichlorobenzene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
2,4-Dinitrotoluene	ug/kg-Wet	3	0	0						7.6 U	8 U	3.88	3.85 U	3.85 U
2,6-Dinitrotoluene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
2-Chloronaphthalene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
4-Bromophenyl phenyl ether	ug/kg-Wet	3	0	0						3.8 U	4 UJ	1.93	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	3	0	0						7.6 U	7.9 U	3.87	3.85 U	3.85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	3	0	0						15 U	16 U	7.67	7.5 U	7.5 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Carbazole	ug/kg-Wet	3	0	0						7.6 U	7.9 U	3.87	3.85 U	3.85 U
Dibenzofuran	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Diphenyl	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Hexachlorobenzene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Hexachlorobutadiene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Hexachloroethane	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
N-Nitrosodiphenylamine	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Retene	ug/kg-Wet	3	0	0						3.8 U	4 U	1.93	1.9 U	1.9 U
Whole Body														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Aroclor 1221	ug/kg-Wet	4	0	0						9.1 UT	9.6 U	4.68	4.65 U	4.7 U
Aroclor 1232	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Aroclor 1242	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

		#	#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Aroclor 1248	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Aroclor 1254	ug/kg-Wet	4	4	100	13 J	19	16.8	17 JT	18	13 J	19	16.8	17 JT	18
Aroclor 1260	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Aroclor 1262	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Aroclor 1268	ug/kg-Wet	4	0	0						4.5 UT	4.8 U	2.33	2.3 U	2.35 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	13 J	19	16.8	17 JT	18	13 J	19	16.8	17 JT	18
Dioxin_Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	7	3	42.9	0.024 T	0.054	0.0343	0.025	0.025	0.019 U	0.054	0.0203	0.01 U	0.025
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	4	57.1	0.038	0.153	0.077	0.057	0.06	0.036 U	0.153	0.0642	0.057	0.07 U
Hexachlorodibenzofuran homologs	pg/g-Wet	7	3	42.9	0.023 T	0.026	0.0247	0.025	0.025	0.019 U	0.026	0.0161	0.01 U	0.025
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	5	71.4	0.036	0.116	0.0677	0.059	0.076	0.019 U	0.116	0.0511	0.0515 T	0.076
Octachlorodibenzofuran	pg/g-Wet	7	1	14.3	0.078 T	0.078 T	0.078	0.078 T	0.078 T	0.023 U	0.078 T	0.027	0.021 U	0.025 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	7	1	14.3	0.215	0.215	0.215	0.215	0.215	0.202 UJT	0.262 U	0.128	0.1125 U	0.131 U
Pentachlorodibenzofuran homologs	pg/g-Wet	7	7	100	0.097	0.241	0.158	0.149	0.202	0.097	0.241	0.158	0.149	0.202
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	5	71.4	0.047	0.08	0.0601	0.059	0.0595 T	0.02 U	0.08	0.0458	0.055	0.0595 T
Tetrachlorodibenzofuran homologs	pg/g-Wet	7	7	100	0.417	1.19	0.852	0.84	1.01 T	0.417	1.19	0.852	0.84	1.01 T
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	6	85.7	0.027	0.175	0.0967	0.097	0.104 T	0.019 U	0.175	0.0842	0.097	0.104 T
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	7	2	28.6	0.025	0.028	0.0265	0.025	0.025	0.019 U	0.035 U	0.0161	0.0125 UT	0.025
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	7	1	14.3	0.107	0.107	0.107	0.107	0.107	0.06 U	0.111 U	0.0509	0.0475 U	0.0555 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	7	1	14.3	0.02 T	0.02 T	0.02	0.02 T	0.02 T	0.019 U	0.02 T	0.0112	0.01 U	0.01 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	0	0						0.019 U	0.02 UT	0.00979	0.01 U	0.01 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	2	28.6	0.02	0.023 T	0.0215	0.02	0.02	0.019 U	0.023 T	0.0131	0.01 U	0.02
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	0	0						0.019 U	0.02 UT	0.00979	0.01 U	0.01 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	5	71.4	0.036	0.076	0.056	0.055 T	0.059	0.036	0.076	0.0474	0.054	0.059
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	7	0	0						0.019 U	0.02 UT	0.00979	0.01 U	0.01 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	2	28.6	0.019	0.022	0.0205	0.019	0.019	0.019 U	0.023 U	0.0131	0.01 UT	0.019
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	7	5	71.4	0.021	0.049	0.037	0.044 T	0.045	0.021	0.049	0.031	0.026	0.045
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	7	5	71.4	0.047	0.08	0.0601	0.059	0.0595 T	0.03 U	0.08	0.0489	0.055	0.0595 T
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	1	14.3	0.02	0.02	0.02	0.02	0.02	0.019 U	0.02 UT	0.0112	0.01 U	0.01 UT
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	7	6	85.7	0.048	0.121	0.0853	0.084	0.097	0.048	0.121	0.0808	0.084	0.097
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	7	7	100	0.32	0.814	0.634	0.635	0.796 T	0.32	0.814	0.634	0.635	0.796 T
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	7	4	57.1	0.031	0.051	0.0425	0.041 T	0.047	0.027 U	0.051	0.0316	0.031	0.047
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	7	7	100	0.0607 T	0.283 T	0.174	0.172 T	0.226 T	0.0607 T	0.283 T	0.174	0.172 T	0.226 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	7	7	100	0.129 T	0.334 T	0.262	0.274 JT	0.333 JT	0.129 T	0.334 T	0.262	0.274 JT	0.333 JT
Total PCDD/F	pg/g-Wet	7	7	100	0.652 T	1.84 T	1.29	1.32 T	1.62 T	0.652 T	1.84 T	1.29	1.32 T	1.62 T
Total TCDD toxicity equivalent	pg/g-Wet	7	7	100	0.19 T	0.617 T	0.436	0.414 T	0.523 JT	0.19 T	0.617 T	0.436	0.414 T	0.523 JT
Metals														
Aluminum	mg/kg-Wet	4	4	100	4.51	5.64 T	4.89	4.69	4.72	4.51	5.64 T	4.89	4.69	4.72
Antimony	mg/kg-Wet	4	1	25	0.28 J	0.28 J	0.28	0.28 J	0.28 J	0.129 U	0.28 J	0.119	0.0655 U	0.0665 UT
Arsenic	mg/kg-Wet	4	4	100	0.804	0.979 T	0.901	0.896	0.924	0.804	0.979 T	0.901	0.896	0.924
Barium	mg/kg-Wet	4	0	0						0.0805 U	0.0843 U	0.0415	0.0415 UT	0.0419 U
Beryllium	mg/kg-Wet	4	0	0						0.00644 U	0.00674 U	0.00332	0.00332 UT	0.00335 U
Cadmium	mg/kg-Wet	4	0	0						0.0158 U	0.0169 U	0.00821	0.0082 U	0.0083 UT
Calcium	mg/kg-Wet	4	4	100	2330	3310	2780	2670 T	2790	2330	3310	2780	2670 T	2790
Chromium	mg/kg-Wet	4	4	100	0.182	0.402	0.308	0.261	0.388 T	0.182	0.402	0.308	0.261	0.388 T
Cobalt	mg/kg-Wet	4	4	100	0.0531 T	0.0843	0.068	0.0603	0.0741	0.0531 T	0.0843	0.068	0.0603	0.0741
Copper	mg/kg-Wet	4	4	100	1.39	1.5 T	1.44	1.42	1.45	1.39	1.5 T	1.44	1.42	1.45
Iron	mg/kg-Wet	4	4	100	16.6	21.4	19.9	20.7	20.7 T	16.6	21.4	19.9	20.7	20.7 T
Lead	mg/kg-Wet	4	0	0						0.0158 U	0.0169 U	0.00821	0.0082 U	0.0083 UT
Magnesium	mg/kg-Wet	4	4	100	252	294	269	261 T	268	252	294	269	261 T	268
Manganese	mg/kg-Wet	4	4	100	0.216 J	0.344 J	0.299	0.316 J	0.319 JT	0.216 J	0.344 J	0.299	0.316 J	0.319 JT
Mercury	mg/kg-Wet	7	7	100	0.0448	0.1	0.0674	0.0595 T	0.0989	0.0448	0.1	0.0674	0.0595 T	0.0989
Nickel	mg/kg-Wet	4	4	100	0.0676	0.22 T	0.126	0.0741	0.141	0.0676	0.22 T	0.126	0.0741	0.141
Potassium	mg/kg-Wet	4	4	100	3610 J	4320 J	3970	3950 JT	3990 J	3610 J	4320 J	3970	3950 JT	3990 J
Selenium	mg/kg-Wet	4	4	100	0.419	0.506	0.473	0.465 T	0.503	0.419	0.506	0.473	0.465 T	0.503
Silver	mg/kg-Wet	4	1	25	0.0173 T	0.0173 T	0.0173	0.0173 T	0.0173 T	0.0158 U	0.0173 T	0.0105	0.0082 U	0.00845 U
Sodium	mg/kg-Wet	4	4	100	853 JK	935 JK	879	860 JK	867 JT	853 JK	935 JK	879	860 JK	867 JT
Thallium	mg/kg-Wet	4	0	0						0.0805 U	0.0843 U	0.0415	0.0415 UT	0.0419 U
Vanadium	mg/kg-Wet	4	0	0						0.129 U	0.135 U	0.066	0.0655 U	0.0665 UT
Zinc	mg/kg-Wet	4	4	100	22	37.5	27.7	22.1 T	29.1	22	37.5	27.7	22.1 T	29.1
PAHs														
1-Methylnaphthalene	ug/kg-Wet	4	3	75	2.5 J	2.8 JT	2.63	2.6 J	2.6 J	2.5 J	3.9 U	2.46	2.5 J	2.6 J
2-Methylnaphthalene	ug/kg-Wet	4	3	75	5.2	5.7	5.5	5.6 T	5.6 T	3.9 U	5.7	4.61	5.2	5.6 T
Acenaphthene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Acenaphthylene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Anthracene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Benzo(a)anthracene	ug/kg-Wet	4	0	0						15 U	16 U	7.75	7.5 UT	8 U
Benzo(a)pyrene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Benzo(b)fluoranthene	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
Benzo(b+k)fluoranthene	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
Benzo(g,h,i)perylene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Benzo(k)fluoranthene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Chrysene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Dibenzo(a,h)anthracene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Fluoranthene	ug/kg-Wet	4	1	25	1 JT	1 JT	1	1 JT	1 JT	1 JT	3.9 U	1.71	1.95 U	1.95 U
Fluorene	ug/kg-Wet	4	1	25	0.8 J	0.8 J	0.8	0.8 J	0.8 J	0.8 J	3.9 U	1.65	1.9 UT	1.95 U
High Molecular Weight PAH	ug/kg-Wet	4	1	25	1 JT	1 JT	1	1 JT	1 JT	1 JT	16 UT	6.13	7.5 UT	8 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Low Molecular Weight PAH	ug/kg-Wet	4	3	75	5.2 T	6.5 JT	5.77	5.6 T	5.6 T	3.9 UT	6.5 JT	4.81	5.2 T	5.6 T
Naphthalene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Phenanthrene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Pyrene	ug/kg-Wet	4	0	0						15 U	16 U	7.75	7.5 UT	8 U
Total PAHs	ug/kg-Wet	4	3	75	5.2 T	6.6 JT	6.1	6.5 JT	6.5 JT	5.2 T	16 UT	6.58	6.5 JT	6.6 JT
PBDE_Congeners														
PBDE001	pg/g-Wet	7	0	0						4.39 U	34.6 U	7.83	5.65 U	11.45 U
PBDE002	pg/g-Wet	7	0	0						4.39 U	34.6 U	7.83	5.65 U	11.45 U
PBDE003	pg/g-Wet	7	0	0						4.39 U	34.6 U	7.83	5.65 U	11.45 U
PBDE007	pg/g-Wet	7	3	42.9	0.293 T	0.998	0.612	0.546	0.546	0.105 U	0.998	0.3	0.0815 U	0.546
PBDE008 & PBDE011	pg/g-Wet	7	7	100	0.342	0.52	0.448	0.455 T	0.513	0.342	0.52	0.448	0.455 T	0.513
PBDE010	pg/g-Wet	7	5	71.4	0.406 K	1.49 K	0.739	0.551 JT	0.702 K	0.105 U	1.49 K	0.548	0.548 K	0.702 K
PBDE012	pg/g-Wet	7	5	71.4	0.112 K	0.266 K	0.182	0.181 JT	0.217 K	0.112 K	0.266 K	0.152	0.133 K	0.217 K
PBDE013	pg/g-Wet	7	7	100	0.292	0.543 K	0.434	0.466	0.517	0.292	0.543 K	0.434	0.466	0.517
PBDE015	pg/g-Wet	7	7	100	3.99	8.72	6.25	7.24	7.52	3.99	8.72	6.25	7.24	7.52
PBDE017	pg/g-Wet	7	7	100	2.28	6.6	4.06	3.58	5.39	2.28	6.6	4.06	3.58	5.39
PBDE025	pg/g-Wet	7	7	100	4.28	12.9	8.84	8.99	10.2	4.28	12.9	8.84	8.99	10.2
PBDE028 & PBDE033	pg/g-Wet	7	7	100	26.5	70	51.1	51.1	60 T	26.5	70	51.1	51.1	60 T
PBDE030	pg/g-Wet	7	0	0						0.411 U	1.03 U	0.332	0.3365 U	0.3535 U
PBDE032	pg/g-Wet	7	1	14.3	1.27	1.27	1.27	1.27	1.27	0.411 U	1.27	0.463	0.3365 U	0.515 U
PBDE035	pg/g-Wet	7	7	100	7.91 K	12.3 K	10.1	10.2 K	11 K	7.91 K	12.3 K	10.1	10.2 K	11 K
PBDE037	pg/g-Wet	7	7	100	0.623	1.34 K	1.03	1.09 T	1.24 K	0.623	1.34 K	1.03	1.09 T	1.24 K
PBDE047	pg/g-Wet	7	7	100	577	1730	1090	1020	1390 T	577	1730	1090	1020	1390 T
PBDE049	pg/g-Wet	7	7	100	82.3	238	146	137	192 T	82.3	238	146	137	192 T
PBDE066	pg/g-Wet	7	7	100	20.4	68.3	41.1	39.1	46.2 T	20.4	68.3	41.1	39.1	46.2 T
PBDE071	pg/g-Wet	7	0	0						0.0662 U	1.08 U	0.112	0.04005 U	0.05 U
PBDE075	pg/g-Wet	7	7	100	1.6	3.25	2.35	2.28	2.55 T	1.6	3.25	2.35	2.28	2.55 T
PBDE077	pg/g-Wet	7	6	85.7	0.979	2.33	1.39	1.24	1.36 T	0.979	2.33	1.27	1.24	1.36 T
PBDE085	pg/g-Wet	7	2	28.6	0.777	0.914 T	0.846	0.777	0.777	0.777	5.06 U	1.07	0.855 U	1.265 U
PBDE099	pg/g-Wet	7	7	100	192	416	295	309	344 T	192	416	295	309	344 T
PBDE100	pg/g-Wet	7	7	100	118	310	194	174	242 T	118	310	194	174	242 T
PBDE105	pg/g-Wet	7	0	0						0.235 UT	3.32 U	0.578	0.4635 U	0.785 U
PBDE116	pg/g-Wet	7	0	0						0.235 UT	3.32 U	0.578	0.4635 U	0.785 U
PBDE119	pg/g-Wet	7	6	85.7	1.88	4.09	2.92	2.72	3.14 T	1.88	4.09	2.74	2.72	3.14 T
PBDE126	pg/g-Wet	7	3	42.9	0.422	1.37 T	1.05	1.35	1.35	0.422	3.32 U	0.945	0.785 U	1.37 T
PBDE138 & PBDE166	pg/g-Wet	7	2	28.6	0.302 JT	0.329 K	0.316	0.302 JT	0.302 JT	0.142 U	0.382 U	0.187	0.1495 U	0.302 JT
PBDE140	pg/g-Wet	7	7	100	0.241	0.582	0.421	0.43 T	0.496	0.241	0.582	0.421	0.43 T	0.496
PBDE153	pg/g-Wet	7	7	100	20.4	42.9	29.1	27	33.3 T	20.4	42.9	29.1	27	33.3 T
PBDE154	pg/g-Wet	7	7	100	30.5	66.7	45.1	43	50.9 T	30.5	66.7	45.1	43	50.9 T
PBDE155	pg/g-Wet	7	7	100	7.43	17.7	11.5	11.7	13 T	7.43	17.7	11.5	11.7	13 T
PBDE181	pg/g-Wet	7	0	0						0.0537 U	0.335 U	0.0599	0.04635 U	0.0575 U
PBDE183	pg/g-Wet	7	7	100	1.49 K	7.86 T	3.13	2.06	5.02	1.49 K	7.86 T	3.13	2.06	5.02
PBDE190	pg/g-Wet	7	0	0						0.095 U	0.575 U	0.102	0.0795 U	0.089 UT
PBDE206	pg/g-Wet	7	2	28.6	0.13 K	0.448 K	0.289	0.13 K	0.13 K	0.101 UT	0.448 K	0.149	0.0935 U	0.2 U
PBDE207	pg/g-Wet	7	4	57.1	0.23 K	1.09	0.595	0.332	0.726 T	0.0991 U	1.09	0.389	0.23 K	0.726 T
PBDE208	pg/g-Wet	7	3	42.9	0.312	0.478 K	0.391	0.382 K	0.382 K	0.101 UT	0.478 K	0.224	0.2 U	0.382 K
PBDE209	pg/g-Wet	7	0	0						7.01 U	24.7 U	7.01	5.25 U	11.75 U
PCB_Congeners														
PCB001	ug/kg-Wet	7	7	100	0.000853 JT	0.00179	0.00126	0.00129 T	0.00161 JT	0.000853 JT	0.00179	0.00126	0.00129 T	0.00161 JT
PCB002	ug/kg-Wet	7	6	85.7	0.000902 K	0.00184 T	0.00129	0.00113 JT	0.00145 JT	0.000902 K	0.00184 T	0.00119	0.00113 JT	0.00145 JT
PCB003	ug/kg-Wet	7	6	85.7	0.00107 K	0.00297 JT	0.00191	0.00195 JT	0.00221 K	0.00107 K	0.00297 JT	0.00173	0.00195 JT	0.00221 K
PCB004	ug/kg-Wet	7	7	100	0.00899	0.0172 T	0.0126	0.0126	0.015 T	0.00899	0.0172 T	0.0126	0.0126	0.015 T
PCB005	ug/kg-Wet	7	2	28.6	0.000511	0.000546 T	0.000529	0.000511	0.00051	0.000511	0.00606 U	0.00118	0.00083 UT	0.002025 U
PCB006	ug/kg-Wet	7	6	85.7	0.00307	0.00551 T	0.00458	0.00488	0.00532 T	0.00307	0.00576 U	0.00433	0.00488	0.00532 T
PCB007	ug/kg-Wet	7	2	28.6	0.000982	0.00154 JT	0.00126	0.000982	0.00098	0.000925 UT	0.00569 U	0.00133	0.000982	0.001905 U
PCB008	ug/kg-Wet	7	7	100	0.0157 T	0.0311 T	0.0245	0.0286 T	0.029	0.0157 T	0.0311 T	0.0245	0.0286 T	0.029
PCB009	ug/kg-Wet	7	4	57.1	0.00136 T	0.00216 T	0.00183	0.00173	0.00206 T	0.00136 T	0.00571 U	0.00184	0.00191 U	0.00216 T
PCB010	ug/kg-Wet	7	2	28.6	0.000674	0.000777 T	0.000726	0.000674	0.00067	0.000674	0.00588 U	0.00121	0.000785 UT	0.001965 U
PCB011	ug/kg-Wet	7	7	100	0.045 T	0.11 T	0.0865	0.0934 T	0.103	0.045 T	0.11 T	0.0865	0.0934 T	0.103
PCB012 & 013	ug/kg-Wet	7	2	28.6	0.00103 T	0.00143	0.00123	0.00103 T	0.00103 T	0.000937 UT	0.00596 U	0.00136	0.00103 T	0.00199 U
PCB014	ug/kg-Wet	7	2	28.6	0.000249 JT	0.000262	0.000256	0.000249 JT	0.00025 JT	0.000249 JT	0.00597 U	0.00108	0.000785 UT	0.001995 U
PCB015	ug/kg-Wet	7	6	85.7	0.0031	0.00536 JT	0.0045	0.00483	0.00514 T	0.0031	0.00625 U	0.0043	0.00483	0.00514 T
PCB016	ug/kg-Wet	7	7	100	0.00983	0.0235	0.0172	0.0162	0.022 T	0.00983	0.0235	0.0172	0.0162	0.022 T
PCB017	ug/kg-Wet	7	7	100	0.0183 T	0.0512	0.0341	0.0343	0.0463 T	0.0183 T	0.0512	0.0341	0.0343	0.0463 T
PCB018 & 030	ug/kg-Wet	7	7	100	0.0633 T	0.132	0.0951	0.0935	0.13 T	0.0633 T	0.132	0.0951	0.0935	0.13 T
PCB019	ug/kg-Wet	7	7	100	0.00557 JT	0.0112 T	0.00847	0.00788	0.0105 T	0.00557 JT	0.0112 T	0.00847	0.00788	0.0105 T
PCB020 & 028	ug/kg-Wet	7	7	100	0.191	0.384 T	0.304	0.345 T	0.368	0.191	0.384 T	0.304	0.345 T	0.368
PCB021 & 033	ug/kg-Wet	7	7	100	0.0531	0.0923 T	0.0757	0.0864 T	0.0899	0.0531	0.0923 T	0.0757	0.0864 T	0.0899
PCB022	ug/kg-Wet	7	7	100	0.0397	0.0715 T	0.0574	0.0612	0.0702 T	0.0397	0.0715 T	0.0574	0.0612	0.0702 T

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB023	ug/kg-Wet	7	7	100	0.000499 K	0.00118 JT	0.000886	0.00103 T	0.00106	0.000499 K	0.00118 JT	0.000886	0.00103 T	0.00106
PCB024	ug/kg-Wet	7	7	100	0.001	0.00248 JT	0.00181	0.00192	0.00237	0.001	0.00248 JT	0.00181	0.00192	0.00237
PCB025	ug/kg-Wet	7	7	100	0.00778	0.0156 T	0.0123	0.0135	0.0153	0.00778	0.0156 T	0.0123	0.0135	0.0153
PCB026 & 029	ug/kg-Wet	7	7	100	0.028	0.0552 T	0.044	0.0508 T	0.0551	0.028	0.0552 T	0.044	0.0508 T	0.0551
PCB027	ug/kg-Wet	7	7	100	0.00249	0.00658	0.00457	0.00424	0.0061 T	0.00249	0.00658	0.00457	0.00424	0.0061 T
PCB031	ug/kg-Wet	7	7	100	0.168	0.34 T	0.268	0.306 T	0.329	0.168	0.34 T	0.268	0.306 T	0.329
PCB032	ug/kg-Wet	7	7	100	0.00899	0.0212 T	0.0144	0.0147	0.0179	0.00899	0.0212 T	0.0144	0.0147	0.0179
PCB034	ug/kg-Wet	7	7	100	0.00154 K	0.00315 T	0.0024	0.00253	0.003	0.00154 K	0.00315 T	0.0024	0.00253	0.003
PCB035	ug/kg-Wet	7	2	28.6	0.000131	0.000221 T	0.000176	0.000131	0.00013	0.000131	0.000559 U	0.000191	0.00017 UT	0.0002635 U
PCB036	ug/kg-Wet	7	6	85.7	0.000363	0.000863 JT	0.000628	0.000596	0.00075 T	0.00031 UT	0.000863 JT	0.000561	0.000596	0.000754 T
PCB037	ug/kg-Wet	7	7	100	0.00474	0.00954 T	0.00753	0.00806	0.00946 T	0.00474	0.00954 T	0.00753	0.00806	0.00946 T
PCB038	ug/kg-Wet	7	3	42.9	0.000466	0.000604 JT	0.000528	0.000514 JT	0.00051 JT	0.000302 U	0.000604 JT	0.000342	0.000259 U	0.000514 JT
PCB039	ug/kg-Wet	7	7	100	0.00171 JT	0.00415 K	0.00282	0.00301 JT	0.00347 T	0.00171 JT	0.00415 K	0.00282	0.00301 JT	0.00347 T
PCB040 & 041 & 071	ug/kg-Wet	7	7	100	0.0566	0.13 T	0.103	0.111 T	0.126	0.0566	0.13 T	0.103	0.111 T	0.126
PCB042	ug/kg-Wet	7	7	100	0.0164	0.0498	0.0375	0.0392 T	0.0475 T	0.0164	0.0498	0.0375	0.0392 T	0.0475 T
PCB043	ug/kg-Wet	7	7	100	0.00657	0.0129 T	0.0106	0.0119 T	0.0127	0.00657	0.0129 T	0.0106	0.0119 T	0.0127
PCB044 & 047 & 065	ug/kg-Wet	7	7	100	0.219	0.491 T	0.372	0.412	0.466	0.219	0.491 T	0.372	0.412	0.466
PCB045 & 051	ug/kg-Wet	7	7	100	0.013	0.0271 T	0.0196	0.0191	0.0268	0.013	0.0271 T	0.0196	0.0191	0.0268
PCB046	ug/kg-Wet	7	7	100	0.0017	0.00342	0.00282	0.00287	0.00341 T	0.0017	0.00342	0.00282	0.00287	0.00341 T
PCB048	ug/kg-Wet	7	7	100	0.0164 T	0.0389	0.0268	0.0291	0.034 T	0.0164 T	0.0389	0.0268	0.0291	0.034 T
PCB049 & 069	ug/kg-Wet	7	7	100	0.12	0.284	0.209	0.231	0.269 T	0.12	0.284	0.209	0.231	0.269 T
PCB050 & 053	ug/kg-Wet	7	7	100	0.017	0.0353 T	0.0253	0.0241	0.0337	0.017	0.0353 T	0.0253	0.0241	0.0337
PCB052	ug/kg-Wet	7	7	100	0.363	0.862 T	0.645	0.691	0.841	0.363	0.862 T	0.645	0.691	0.841
PCB054	ug/kg-Wet	7	7	100	0.000343 JT	0.000723 T	0.000504	0.000517 K	0.00058 JT	0.000343 JT	0.000723 T	0.000504	0.000517 K	0.000576 JT
PCB055	ug/kg-Wet	7	4	57.1	0.00331 T	0.00499 T	0.00409	0.00393	0.00413	0.000614 U	0.00499 T	0.00257	0.00331 T	0.00413
PCB056	ug/kg-Wet	7	7	100	0.0238	0.0501	0.0413	0.0457	0.0495 T	0.0238	0.0501	0.0413	0.0457	0.0495 T
PCB057	ug/kg-Wet	7	7	100	0.00188	0.00373	0.00299	0.0035	0.00371 T	0.00188	0.00373	0.00299	0.0035	0.00371 T
PCB058	ug/kg-Wet	7	5	71.4	0.000654	0.00262	0.00167	0.00167 T	0.00202 T	0.000654	0.00262	0.00137	0.00137	0.00202 T
PCB059 & 062 & 075	ug/kg-Wet	7	7	100	0.0166	0.0388	0.0297	0.0322	0.0383 T	0.0166	0.0388	0.0297	0.0322	0.0383 T
PCB060	ug/kg-Wet	7	7	100	0.043	0.104	0.0847	0.0955 T	0.101 T	0.043	0.104	0.0847	0.0955 T	0.101 T
PCB061 & 070 & 074 & 076	ug/kg-Wet	7	7	100	0.342	0.849	0.678	0.737 T	0.836 T	0.342	0.849	0.678	0.737 T	0.836 T
PCB063	ug/kg-Wet	7	7	100	0.0104	0.0291 T	0.0216	0.0236 T	0.0284	0.0104	0.0291 T	0.0216	0.0236 T	0.0284
PCB064	ug/kg-Wet	7	7	100	0.0601	0.158 T	0.119	0.129	0.153	0.0601	0.158 T	0.119	0.129	0.153
PCB066	ug/kg-Wet	7	7	100	0.149	0.371	0.294	0.32 T	0.347	0.149	0.371	0.294	0.32 T	0.347
PCB067	ug/kg-Wet	7	7	100	0.00466	0.0101	0.00776	0.00894 T	0.00974	0.00466	0.0101	0.00776	0.00894 T	0.00974
PCB068	ug/kg-Wet	7	7	100	0.00968	0.0232 T	0.0167	0.0155 T	0.0209	0.00968	0.0232 T	0.0167	0.0155 T	0.0209
PCB072	ug/kg-Wet	7	7	100	0.00322	0.00957	0.00733	0.00848 T	0.00929 T	0.00322	0.00957	0.00733	0.00848 T	0.00929 T
PCB073	ug/kg-Wet	7	2	28.6	0.00172	0.00224	0.00198	0.00172	0.00172	0.0000112 UT	0.00224	0.000589	0.0000486 UT	0.00172
PCB077	ug/kg-Wet	7	7	100	0.00429	0.00875	0.00652	0.0074	0.00839 T	0.00429	0.00875	0.00652	0.0074	0.00839 T
PCB078	ug/kg-Wet	7	1	14.3	0.000356 JT	0.000356 JT	0.000356	0.000356 JT	0.00036 JT	0.000297 UT	0.00193 UT	0.000463	0.000356 JT	0.000675 U
PCB079	ug/kg-Wet	7	7	100	0.00376	0.0103 T	0.00819	0.00901 T	0.00952	0.00376	0.0103 T	0.00819	0.00901 T	0.00952
PCB080	ug/kg-Wet	7	1	14.3	0.0013 T	0.0013 T	0.0013	0.0013 T	0.0013 T	0.00014 UT	0.00176 UT	0.000551	0.0004075 U	0.00088 UT
PCB081	ug/kg-Wet	7	7	100	0.000287 K	0.00158 T	0.000819	0.000889	0.0012	0.000287 K	0.00158 T	0.000819	0.000889	0.0012
PCB082	ug/kg-Wet	7	7	100	0.0214	0.0471	0.039	0.04 T	0.0459	0.0214	0.0471	0.039	0.04 T	0.0459
PCB083 & 099	ug/kg-Wet	7	7	100	0.276	0.806	0.578	0.587 T	0.756 T	0.276	0.806	0.578	0.587 T	0.756 T
PCB084	ug/kg-Wet	7	7	100	0.0389	0.089	0.0678	0.0759 T	0.0787 T	0.0389	0.089	0.0678	0.0759 T	0.0787 T
PCB085 & 116 & 117	ug/kg-Wet	7	7	100	0.0768	0.201	0.152	0.155 T	0.195 T	0.0768	0.201	0.152	0.155 T	0.195 T
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	7	7	100	0.196	0.548	0.395	0.403 T	0.502 T	0.196	0.548	0.395	0.403 T	0.502 T
PCB088 & 091	ug/kg-Wet	7	7	100	0.0307	0.0877	0.0626	0.0629	0.0824 T	0.0307	0.0877	0.0626	0.0629	0.0824 T
PCB089	ug/kg-Wet	7	7	100	0.00201 K	0.00498 T	0.00376	0.00387 K	0.00458	0.00201 K	0.00498 T	0.00376	0.00387 K	0.00458
PCB090 & 101 & 113	ug/kg-Wet	7	7	100	0.38	1.1 T	0.81	0.799 T	1.08	0.38	1.1 T	0.81	0.799 T	1.08
PCB092	ug/kg-Wet	7	7	100	0.0876	0.227 T	0.171	0.177 T	0.222	0.0876	0.227 T	0.171	0.177 T	0.222
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	7	7	100	0.292	0.706	0.542	0.592	0.705 T	0.292	0.706	0.542	0.592	0.705 T
PCB094	ug/kg-Wet	7	7	100	0.00152	0.00316	0.00225	0.00259	0.00272 T	0.00152	0.00316	0.00225	0.00259	0.00272 T
PCB096	ug/kg-Wet	7	7	100	0.000369 K	0.00139	0.000882	0.000807	0.00122 JT	0.000369 K	0.00139	0.000882	0.000807	0.00122 JT
PCB103	ug/kg-Wet	7	7	100	0.00303	0.00857	0.00603	0.00593	0.00808 T	0.00303	0.00857	0.00603	0.00593	0.00808 T
PCB104	ug/kg-Wet	7	7	100	0.000108 K	0.00032 JT	0.000234	0.000241 JT	0.00026	0.000108 K	0.00032 JT	0.000234	0.000241 JT	0.000257
PCB105	ug/kg-Wet	7	7	100	0.0885	0.245 T	0.182	0.181 T	0.227	0.0885	0.245 T	0.182	0.181 T	0.227
PCB106	ug/kg-Wet	7	0	0						0.000352 UT	0.00416 UT	0.000566	0.0004045 U	0.000464 U
PCB107 & 124	ug/kg-Wet	7	7	100	0.0108	0.0255	0.0192	0.0203 JT	0.0251 JT	0.0108	0.0255	0.0192	0.0203 JT	0.0251 JT
PCB109	ug/kg-Wet	7	7	100	0.0328	0.0849 T	0.0647	0.0665 T	0.0802	0.0328	0.0849 T	0.0647	0.0665 T	0.0802
PCB110 & 115	ug/kg-Wet	7	7	100	0.225	0.661	0.486	0.486 T	0.627 T	0.225	0.661	0.486	0.486 T	0.627 T
PCB111	ug/kg-Wet	7	7	100	0.00109 K	0.00242 JT	0.00177	0.00169 T	0.00236	0.00109 K	0.00242 JT	0.00177	0.00169 T	0.00236
PCB112	ug/kg-Wet	7	0	0						0.000363 UT	0.00109 UT	0.000303	0.0002655 U	0.0004115 UT
PCB114	ug/kg-Wet	7	7	100	0.00589 K	0.0174 T	0.0131	0.0142	0.0163	0.00589 K	0.0174 T	0.0131	0.0142	0.0163
PCB118	ug/kg-Wet	7	7	100	0.274	0.732 T	0.554	0.552 T	0.659	0.274	0.732 T	0.554	0.552 T	0.659
PCB120	ug/kg-Wet	7	7	100	0.00345	0.00884	0.00664	0.00634 T	0.00874 T	0.00345	0.00884	0.00664	0.00634 T	0.00874 T
PCB121	ug/kg-Wet	7	7	100	0.00168 K	0.00449 T	0.00317	0.00318 JT	0.00397	0.00168 K	0.00449 T	0.00317	0.00318 JT	0.00397
PCB122	ug/kg-Wet	7	5	71.4	0.00232 JT	0.00398	0.00317	0.00312	0.00367 T	0.000421 U	0.00483 UT	0.00264	0.00277 K	0.00367 T
PCB123	ug/kg-Wet	7	7	100	0.00495	0.0127	0.00957	0.00969 T	0.0118 T	0.00495	0.0127	0.00957	0.00969 T	0.0118 T
PCB126	ug/kg-Wet	7	7	100	0.000764	0.00199	0.00155	0.0017 K	0.00191 T	0.000764	0.00199	0.00155	0.0017 K	0.00191 T
PCB127	ug/kg-Wet	7	1	14.3	0.00214 JT	0.00214 JT	0.00214	0.00214 JT	0.00214 JT	0.000363 UT	0.00428 UT	0.000856	0.0004335 U	0.00214 UT
PCB128 & 166	ug/kg-Wet	7	7	100	0.0514	0.136 T	0.0982	0.101 T	0.114	0.0514	0.136 T	0.0982	0.101 T	0.114
PCB129 & 138 & 160 & 163	ug/kg-Wet	7	7	100	0.442	1.18 T	0.881	0.93	1.07	0.442	1.18 T	0.881	0.93	1.07

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB130	ug/kg-Wet	7	7	100	0.0266	0.0688 T	0.0504	0.0503 T	0.0623	0.0266	0.0688 T	0.0504	0.0503 T	0.0623
PCB131	ug/kg-Wet	7	6	85.7	0.00259	0.00452	0.00386	0.00401 JT	0.00449 T	0.00259	0.00452	0.00357	0.00401 JT	0.00449 T
PCB132	ug/kg-Wet	7	7	100	0.0762	0.189 T	0.145	0.144 T	0.179	0.0762	0.189 T	0.145	0.144 T	0.179
PCB133	ug/kg-Wet	7	7	100	0.0104	0.0303 T	0.0221	0.023	0.0286	0.0104	0.0303 T	0.0221	0.023	0.0286
PCB134 & 143	ug/kg-Wet	7	7	100	0.0175	0.0404 T	0.0312	0.0306 T	0.0393	0.0175	0.0404 T	0.0312	0.0306 T	0.0393
PCB135 & 151 & 154	ug/kg-Wet	7	7	100	0.152	0.393	0.294	0.291 T	0.391 T	0.152	0.393	0.294	0.291 T	0.391 T
PCB136	ug/kg-Wet	7	7	100	0.0282	0.0787	0.0551	0.058 T	0.071 T	0.0282	0.0787	0.0551	0.058 T	0.071 T
PCB137	ug/kg-Wet	7	7	100	0.0172	0.0453	0.0335	0.0325 T	0.0435 T	0.0172	0.0453	0.0335	0.0325 T	0.0435 T
PCB139 & 140	ug/kg-Wet	7	7	100	0.00661	0.0191 T	0.0136	0.0137 T	0.0176	0.00661	0.0191 T	0.0136	0.0137 T	0.0176
PCB141	ug/kg-Wet	7	7	100	0.0504	0.12 T	0.0931	0.0934 T	0.115	0.0504	0.12 T	0.0931	0.0934 T	0.115
PCB142	ug/kg-Wet	7	0	0						0.000382 U	0.00373 UT	0.000492	0.000252 U	0.000448 U
PCB144	ug/kg-Wet	7	7	100	0.0164 K	0.042 T	0.0312	0.0306 T	0.0402	0.0164 K	0.042 T	0.0312	0.0306 T	0.0402
PCB145	ug/kg-Wet	7	7	100	0.000133 K	0.000347 JT	0.000221	0.000225	0.00027 JT	0.000133 K	0.000347 JT	0.000221	0.000225	0.000267 JT
PCB146	ug/kg-Wet	7	7	100	0.0965	0.265 T	0.191	0.191 T	0.24	0.0965	0.265 T	0.191	0.191 T	0.24
PCB147 & 149	ug/kg-Wet	7	7	100	0.276	0.821 T	0.577	0.581 T	0.743	0.276	0.821 T	0.577	0.581 T	0.743
PCB148	ug/kg-Wet	7	7	100	0.00138	0.00479	0.00293	0.00312	0.00392 T	0.00138	0.00479	0.00293	0.00312	0.00392 T
PCB150	ug/kg-Wet	7	7	100	0.000714	0.00218	0.00152	0.00152	0.00206 T	0.000714	0.00218	0.00152	0.00152	0.00206 T
PCB152	ug/kg-Wet	7	7	100	0.000078 JT	0.000312 JT	0.000191	0.000201 K	0.00024 JT	0.000078 JT	0.000312 JT	0.000191	0.000201 K	0.000235 JT
PCB153 & 168	ug/kg-Wet	7	7	100	0.537	1.5 T	1.09	1.17 T	1.31	0.537	1.5 T	1.09	1.17 T	1.31
PCB155	ug/kg-Wet	7	7	100	0.00201	0.00528 JT	0.00422	0.00449 T	0.00495	0.00201	0.00528 JT	0.00422	0.00449 T	0.00495
PCB156	ug/kg-Wet	7	7	100	0.0155	0.0458	0.0312	0.0301 T	0.0416 T	0.0155	0.0458	0.0312	0.0301 T	0.0416 T
PCB157	ug/kg-Wet	7	7	100	0.00465	0.0141	0.01	0.01	0.0136 T	0.00465	0.0141	0.01	0.01	0.0136 T
PCB158	ug/kg-Wet	7	7	100	0.0237	0.0616	0.0454	0.0418 T	0.0613 T	0.0237	0.0616	0.0454	0.0418 T	0.0613 T
PCB159	ug/kg-Wet	7	7	100	0.0021	0.00485	0.00388	0.00378	0.00472 T	0.0021	0.00485	0.00388	0.00378	0.00472 T
PCB161	ug/kg-Wet	7	0	0						0.000256 U	0.00251 UT	0.000337	0.000169 U	0.0003265 U
PCB162	ug/kg-Wet	7	7	100	0.00256	0.0053 T	0.00415	0.00432	0.0049	0.00256	0.0053 T	0.00415	0.00432	0.0049
PCB164	ug/kg-Wet	7	7	100	0.0171	0.0443 T	0.0325	0.0317 T	0.0388	0.0171	0.0443 T	0.0325	0.0317 T	0.0388
PCB165	ug/kg-Wet	7	5	71.4	0.0015 K	0.00245 T	0.00188	0.00178 JT	0.00191	0.000326 U	0.0028 UT	0.00157	0.00177	0.00191
PCB167	ug/kg-Wet	7	7	100	0.0105	0.0277	0.0201	0.0193 T	0.0243 T	0.0105	0.0277	0.0201	0.0193 T	0.0243 T
PCB169	ug/kg-Wet	7	6	85.7	0.000238	0.000534	0.000414	0.000383	0.00053 JT	0.000238	0.000534	0.000378	0.000383	0.000525 JT
PCB170	ug/kg-Wet	7	7	100	0.0462	0.108	0.0812	0.081 T	0.0984 T	0.0462	0.108	0.0812	0.081 T	0.0984 T
PCB171 & 173	ug/kg-Wet	7	7	100	0.0189	0.0412	0.032	0.0306 T	0.0394 T	0.0189	0.0412	0.032	0.0306 T	0.0394 T
PCB172	ug/kg-Wet	7	7	100	0.0129 K	0.0275 JT	0.0218	0.0222	0.0268	0.0129 K	0.0275 JT	0.0218	0.0222	0.0268
PCB174	ug/kg-Wet	7	7	100	0.0496	0.101	0.0794	0.0757	0.0958 T	0.0496	0.101	0.0794	0.0757	0.0958 T
PCB175	ug/kg-Wet	7	7	100	0.00466 K	0.0101 T	0.00782	0.00811 T	0.00944	0.00466 K	0.0101 T	0.00782	0.00811 T	0.00944
PCB176	ug/kg-Wet	7	7	100	0.00731	0.0171	0.0137	0.0139 T	0.0167 T	0.00731	0.0171	0.0137	0.0139 T	0.0167 T
PCB177	ug/kg-Wet	7	7	100	0.0492	0.111 T	0.0836	0.0801 T	0.111	0.0492	0.111 T	0.0836	0.0801 T	0.111
PCB178	ug/kg-Wet	7	7	100	0.0303	0.0653 T	0.0511	0.0503 T	0.0647	0.0303	0.0653 T	0.0511	0.0503 T	0.0647
PCB179	ug/kg-Wet	7	7	100	0.0312	0.0708	0.0548	0.0524 T	0.0702 T	0.0312	0.0708	0.0548	0.0524 T	0.0702 T
PCB180 & 193	ug/kg-Wet	7	7	100	0.148	0.328	0.255	0.262 T	0.314 T	0.148	0.328	0.255	0.262 T	0.314 T
PCB181	ug/kg-Wet	7	7	100	0.000694 JT	0.00134	0.000995	0.00106 JT	0.00125 JT	0.000694 JT	0.00134	0.000995	0.00106 JT	0.00125 JT
PCB182	ug/kg-Wet	7	7	100	0.00151	0.00303 T	0.00243	0.00259 K	0.00298 JT	0.00151	0.00303 T	0.00243	0.00259 K	0.00298 JT
PCB183 & 185	ug/kg-Wet	7	7	100	0.0592	0.132	0.103	0.105 T	0.131 T	0.0592	0.132	0.103	0.105 T	0.131 T
PCB184	ug/kg-Wet	7	7	100	0.00173 K	0.00386 T	0.00284	0.00309 T	0.00326 K	0.00173 K	0.00386 T	0.00284	0.00309 T	0.00326 K
PCB186	ug/kg-Wet	7	3	42.9	0.000042 K	0.000059 JT	0.0000527	0.000057 JT	5.7E-05 JT	0.0000308 U	0.00016 U	0.0000417	0.000042 K	0.000059 JT
PCB187	ug/kg-Wet	7	7	100	0.172	0.391 T	0.301	0.307 T	0.389	0.172	0.391 T	0.301	0.307 T	0.389
PCB188	ug/kg-Wet	7	7	100	0.000717 K	0.00147	0.00118	0.00119	0.00145 JT	0.000717 K	0.00147	0.00118	0.00119	0.00145 JT
PCB189	ug/kg-Wet	7	7	100	0.00163 K	0.00405 T	0.00302	0.00299	0.00382	0.00163 K	0.00405 T	0.00302	0.00299	0.00382
PCB190	ug/kg-Wet	7	7	100	0.00939	0.0217	0.0153	0.0152	0.0183 T	0.00939	0.0217	0.0153	0.0152	0.0183 T
PCB191	ug/kg-Wet	7	7	100	0.002	0.0046 JT	0.00367	0.00364 JT	0.00457	0.002	0.0046 JT	0.00367	0.00364 JT	0.00457
PCB192	ug/kg-Wet	7	6	85.7	0.000059 JT	0.000135 JT	0.000101	0.000099 K	0.00012 K	0.000059 JT	0.000172 U	0.0000991	0.000099 K	0.000121 K
PCB194	ug/kg-Wet	7	7	100	0.0181	0.0378	0.0282	0.0288 T	0.0348 T	0.0181	0.0378	0.0282	0.0288 T	0.0348 T
PCB195	ug/kg-Wet	7	7	100	0.00721	0.0154	0.0106	0.0103 T	0.0121 JT	0.00721	0.0154	0.0106	0.0103 T	0.0121 JT
PCB196	ug/kg-Wet	7	7	100	0.0146	0.0239	0.0192	0.0195	0.0231 T	0.0146	0.0239	0.0192	0.0195	0.0231 T
PCB197 & 200	ug/kg-Wet	7	7	100	0.00397	0.00777 K	0.0064	0.00672	0.00754 T	0.00397	0.00777 K	0.0064	0.00672	0.00754 T
PCB198 & 199	ug/kg-Wet	7	7	100	0.0361	0.072 T	0.0556	0.0565	0.0685	0.0361	0.072 T	0.0556	0.0565	0.0685
PCB201	ug/kg-Wet	7	7	100	0.00578	0.0115	0.00951	0.0105 T	0.0113 T	0.00578	0.0115	0.00951	0.0105 T	0.0113 T
PCB202	ug/kg-Wet	7	7	100	0.0121	0.0281	0.0206	0.0202	0.0249 T	0.0121	0.0281	0.0206	0.0202	0.0249 T
PCB203	ug/kg-Wet	7	7	100	0.0186	0.0362	0.0276	0.028 T	0.0332 T	0.0186	0.0362	0.0276	0.028 T	0.0332 T
PCB204	ug/kg-Wet	7	6	85.7	0.00014 JT	0.000197 JT	0.000163	0.000148 K	0.00018 JT	0.0000415 U	0.000197 JT	0.000143	0.000148 K	0.000178 JT
PCB205	ug/kg-Wet	7	7	100	0.00132 K	0.00233	0.00186	0.00174	0.00227 T	0.00132 K	0.00233	0.00186	0.00174	0.00227 T
PCB206	ug/kg-Wet	7	7	100	0.00961	0.0179	0.0135	0.0139	0.0161 T	0.00961	0.0179	0.0135	0.0139	0.0161 T
PCB207	ug/kg-Wet	7	7	100	0.00257 JT	0.00501 T	0.00382	0.00394	0.00483 T	0.00257 JT	0.00501 T	0.00382	0.00394	0.00483 T
PCB208	ug/kg-Wet	7	7	100	0.00546	0.00953 JT	0.00786	0.00756	0.00934	0.00546	0.00953 JT	0.00786	0.00756	0.00934
PCB209	ug/kg-Wet	7	7	100	0.00696	0.0119	0.00977	0.0098	0.0119 T	0.00696	0.0119	0.00977	0.0098	0.0119 T
Total PCB Congeners	ug/kg-Wet	7	7	100	6.89	17.1 T	13.1	13.2 T	16.8	6.89	17.1 T	13.1	13.2 T	16.8
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.0692 T	0.174 T	0.132	0.146 T	0.16	0.0692 T	0.174 T	0.132	0.146 T	0.16
Heptachlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.625	1.44	1.11	1.11 T	1.39 T	0.625	1.44	1.11	1.11 T	1.39 T
Hexachlorobiphenyl homologs	ug/kg-Wet	7	7	100	1.87	5.13 T	3.76	3.87 T	4.69	1.87	5.13 T	3.76	3.87 T	4.69
Monochlorobiphenyl homologs	ug/kg-Wet	7	5	71.4	0.000908 T	0.0026 T	0.0019	0.00202 T	0.00218	0.000505 U	0.0026 T	0.00148	0.00179	0.00218
Nonachlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.0114	0.0314	0.0215	0.0215	0.0286 T	0.0114	0.0314	0.0215	0.0215	0.0286 T
Octachlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.116	0.231	0.176	0.176	0.215 T	0.116	0.231	0.176	0.176	0.215 T
Pentachlorobiphenyl homologs	ug/kg-Wet	7	7	100	2.04	5.51	4.16	4.19 T	5.44 T	2.04	5.51	4.16	4.19 T	5.44 T

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Table C1-23. Summary Statistics - Adult Chinook from the Clackamas River Hatchery.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Tetrachlorobiphenyl homologs	ug/kg-Wet	7	7	100	1.51	3.54	2.77	3.1	3.52 T	1.51	3.54	2.77	3.1	3.52 T
Trichlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.608	1.21 T	0.945	1.09 T	1.16	0.608	1.21 T	0.945	1.09 T	1.16
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
2,4'-DDE	ug/kg-Wet	4	0	0						0.91 UT	3.8 U	0.825	0.465 U	0.48 U
2,4'-DDT	ug/kg-Wet	4	1	25	1.35 JT	1.35 JT	1.35	1.35 JT	1.35 JT	1.35 JT	1.7 U	0.9	0.7 U	0.85 U
4,4'-DDD	ug/kg-Wet	4	0	0						1.6 UT	2.7 U	1.14	1.1 U	1.3 U
4,4'-DDE	ug/kg-Wet	4	4	100	5.4 J	7.9 J	6.41	6.1 J	6.25 JT	5.4 J	7.9 J	6.41	6.1 J	6.25 JT
4,4'-DDT	ug/kg-Wet	4	0	0						1.4 U	3.8 U	1.05	0.7 UT	0.9 U
Aldrin	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
alpha-Endosulfan	ug/kg-Wet	4	1	25	0.99 T	0.99 T	0.99	0.99 T	0.99 T	0.93 U	5.4 U	1.61	0.99 T	2.3 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
beta-Endosulfan	ug/kg-Wet	4	0	0						3.6 UT	3.8 U	1.86	1.85 U	1.9 U
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
Chlordane (cis & trans)	ug/kg-Wet	4	1	25	1.2 JT	1.2 JT	1.2	1.2 JT	1.2 JT	0.96 UT	3.9 UT	1.26	1.2 JT	1.4 UT
cis-Chlordane	ug/kg-Wet	4	1	25	1.2 J	1.2 J	1.2	1.2 J	1.2 J	0.96 U	3.9 U	1.26	1.2 J	1.4 UT
delta-Hexachlorocyclohexane	ug/kg-Wet	4	1	25	1.8 T	1.8 T	1.8	1.8 T	1.8 T	0.93 U	1.8 T	0.804	0.47 U	0.48 U
Dieldrin	ug/kg-Wet	4	4	100	1.1 J	1.6 T	1.4	1.4 J	1.5 J	1.1 J	1.6 T	1.4	1.4 J	1.5 J
Endosulfan sulfate	ug/kg-Wet	4	0	0						3.6 UT	3.8 U	1.86	1.85 U	1.9 U
Endrin aldehyde	ug/kg-Wet	4	0	0						3.6 UT	3.8 U	1.86	1.85 U	1.9 U
Endrin ketone	ug/kg-Wet	4	0	0						3.6 UT	3.8 U	1.86	1.85 U	1.9 U
Endrin	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
Heptachlor epoxide	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
Heptachlor	ug/kg-Wet	4	1	25	1.7 T	1.7 T	1.7	1.7 T	1.7 T	0.93 U	1.7 T	0.779	0.47 U	0.48 U
Methoxychlor	ug/kg-Wet	4	1	25	3.7 JT	3.7 JT	3.7	3.7 JT	3.7 JT	3.7 U	3.8 U	2.34	1.9 U	1.9 U
Total Endosulfan	ug/kg-Wet	4	1	25	0.99 T	0.99 T	0.99	0.99 T	0.99 T	0.99 T	5.4 UT	1.96	1.85 UT	2.3 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	5.4 JT	7.9 JT	6.75	6.1 JT	7.6 JT	5.4 JT	7.9 JT	6.75	6.1 JT	7.6 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	0	0						1.6 UT	2.7 UT	1.14	1.1 UT	1.3 UT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	4	100	5.4 JT	7.9 JT	6.41	6.1 JT	6.25 JT	5.4 JT	7.9 JT	6.41	6.1 JT	6.25 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	1	25	1.35 JT	1.35 JT	1.35	1.35 JT	1.35 JT	1.35 JT	3.8 UT	1.21	0.9 UT	1.35 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	4	100	5.4 J	7.9 J	6.41	6.1 J	6.25 JT	5.4 J	7.9 J	6.41	6.1 J	6.25 JT
trans-Chlordane	ug/kg-Wet	4	0	0						0.91 UT	0.96 U	0.468	0.465 U	0.47 U
Phenols														
2,4,5-Trichlorophenol	ug/kg-Wet	4	0	0						15 U	16 U	7.75	7.5 UT	8 U
2,4,6-Trichlorophenol	ug/kg-Wet	4	0	0						7.7 U	7.8 U	3.88	3.85 UT	3.9 U
2,4-Dichlorophenol	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
2,4-Dimethylphenol	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
2-Chlorophenol	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
2-Nitrophenol	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
Phenol	ug/kg-Wet	4	0	0						27 U	36 UT	15.9	14 U	18 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
1,2-Dichlorobenzene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
1,3-Dichlorobenzene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
1,4-Dichlorobenzene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
2,4-Dinitrotoluene	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.85	3.85 U	3.85 U
2,6-Dinitrotoluene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
2-Chloronaphthalene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
4-Bromophenyl phenyl ether	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
4-Chlorophenyl phenyl ether	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
Bis(2-chloroethyl) ether	ug/kg-Wet	4	0	0						15 U	16 U	7.75	7.5 UT	8 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Carbazole	ug/kg-Wet	4	0	0						7.6 UT	7.8 U	3.86	3.85 U	3.9 U
Dibenzofuran	ug/kg-Wet	4	1	25	0.7 J	0.7 J	0.7	0.7 J	0.7 J	0.7 J	3.9 U	1.63	1.9 UT	1.95 U
Diphenyl	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Hexachlorobenzene	ug/kg-Wet	4	3	75	1.9 J	2.6 JT	2.17	2 J	2 J	1.9 J	3.9 U	2.11	1.95 U	2 J
Hexachlorobutadiene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Hexachloroethane	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
N-Nitrosodiphenylamine	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U
Retene	ug/kg-Wet	4	0	0						3.8 UT	3.9 U	1.94	1.95 U	1.95 U

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-24. Summary Statistics - Adult Lamprey from Willamette Falls

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
WILLAMETTE FALLS														
Whole Body														
Aroclors														
Aroclor 1016	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1221	ug/kg-Wet	4	0	0						8.4 U	9.3 U	4.5	4.55 U	4.6 U
Aroclor 1232	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1242	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1248	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1254	ug/kg-Wet	4	4	100	39 J	50	44.3	42	46 J	39 J	50	44.3	42	46 J
Aroclor 1260	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1262	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Aroclor 1268	ug/kg-Wet	4	0	0						4.2 U	4.7 U	2.25	2.25 U	2.3 U
Total PCB Aroclors	ug/kg-Wet	4	4	100	39 J	50	44.3	42	46 J	39 J	50	44.3	42	46 J
Dioxin_Furan Homlogs														
Heptachlorodibenzofuran homologs	pg/g-Wet	4	4	100	0.104	0.167	0.13	0.105	0.142	0.104	0.167	0.13	0.105	0.142
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.284	0.488	0.39	0.357	0.43	0.284	0.488	0.39	0.357	0.43
Hexachlorodibenzofuran homologs	pg/g-Wet	4	4	100	0.316	0.474	0.4	0.337	0.473	0.316	0.474	0.4	0.337	0.473
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.239	0.391	0.291	0.259	0.275	0.239	0.391	0.291	0.259	0.275
Octachlorodibenzofuran	pg/g-Wet	4	0	0						0.05 U	0.056 U	0.0265	0.026 U	0.027 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.496	0.731	0.586	0.5	0.618	0.496	0.731	0.586	0.5	0.618
Pentachlorodibenzofuran homologs	pg/g-Wet	4	4	100	0.728	0.904	0.83	0.827	0.859	0.728	0.904	0.83	0.827	0.859
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	3	75	0.062	0.124	0.0893	0.082	0.082	0.02 U	0.124	0.0695	0.062	0.082
Tetrachlorodibenzofuran homologs	pg/g-Wet	4	4	100	2.85	3.2	3.1	3.17	3.19	2.85	3.2	3.1	3.17	3.19
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	4	4	100	0.376	0.426	0.405	0.401	0.418	0.376	0.426	0.405	0.401	0.418
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	4	1	25	0.075	0.075	0.075	0.075	0.075	0.075	0.123 U	0.0618	0.0575 U	0.0615 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.284	0.421	0.358	0.357	0.368	0.284	0.421	0.358	0.357	0.368
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	4	0	0						0.019 U	0.02 U	0.00975	0.0095 U	0.01 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	4	100	0.068	0.111	0.0815	0.073	0.074	0.068	0.111	0.0815	0.073	0.074
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	1	25	0.033	0.033	0.033	0.033	0.033	0.027 U	0.037 U	0.02	0.015 U	0.0185 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	3	75	0.052	0.056	0.0537	0.053	0.053	0.044 U	0.056	0.0458	0.052	0.053
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	4	100	0.122	0.163	0.141	0.131	0.147	0.122	0.163	0.141	0.131	0.147
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	4	0	0						0.019 U	0.02 U	0.00975	0.0095 U	0.01 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	4	3	75	0.033	0.05	0.0397	0.036	0.036	0.033	0.05	0.0348	0.033	0.036
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	4	4	100	0.13	0.17	0.146	0.137	0.145	0.13	0.17	0.146	0.137	0.145
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	4	3	75	0.057	0.07	0.063	0.062	0.062	0.054 U	0.07	0.054	0.057	0.062
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	4	3	75	0.034	0.056	0.0447	0.044	0.044	0.034	0.056	0.0383	0.034	0.044
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	4	4	100	0.103	0.127	0.118	0.115	0.126	0.103	0.127	0.118	0.115	0.126
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	4	4	100	0.956	1.09	1.03	1.03	1.04	0.956	1.09	1.03	1.03	1.04
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	4	3	75	0.041	0.052	0.0473	0.049	0.049	0.041 U	0.052	0.0406	0.041	0.049
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	4	4	100	0.241 T	0.333 T	0.289	0.266 T	0.316 T	0.241 T	0.333 T	0.289	0.266 T	0.316 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	4	4	100	1 T	1.26 T	1.18	1.19 T	1.26 T	1 T	1.26 T	1.18	1.19 T	1.26 T
Total PCDD/F	pg/g-Wet	4	4	100	5.6 T	6.85 T	6.2	6.15 T	6.21 T	5.6 T	6.85 T	6.2	6.15 T	6.21 T
Total TCDD toxicity equivalent	pg/g-Wet	4	4	100	1.24 T	1.6 T	1.47	1.45 T	1.57 T	1.24 T	1.6 T	1.47	1.45 T	1.57 T
Metals														
Aluminum	mg/kg-Wet	4	0	0						3 U	3.36 U	1.61	1.595 U	1.675 U
Antimony	mg/kg-Wet	4	2	50	1.36 J	2.06 J	1.71	1.36 J	1.36 J	0.12 U	2.06 J	0.886	0.064 U	1.36 J
Arsenic	mg/kg-Wet	4	4	100	0.209	0.274	0.24	0.215	0.261	0.209	0.274	0.24	0.215	0.261
Barium	mg/kg-Wet	4	0	0						0.0758 U	0.0821 U	0.04	0.0399 U	0.04105 U
Beryllium	mg/kg-Wet	4	0	0						0.006 U	0.00684 U	0.00325	0.00319 U	0.00339 U
Cadmium	mg/kg-Wet	4	4	100	0.051	0.065	0.06	0.0607	0.0632	0.051	0.065	0.06	0.0607	0.0632
Calcium	mg/kg-Wet	4	4	100	58.1 J	77.1 J	66.1	62.3 J	66.7 J	58.1 J	77.1 J	66.1	62.3 J	66.7 J
Chromium	mg/kg-Wet	4	4	100	0.19	0.447	0.302	0.193	0.376	0.19	0.447	0.302	0.193	0.376
Cobalt	mg/kg-Wet	4	4	100	0.0339	0.0718	0.0574	0.0569	0.067	0.0339	0.0718	0.0574	0.0569	0.067
Copper	mg/kg-Wet	4	4	100	4.21	4.8	4.45	4.21	4.57	4.21	4.8	4.45	4.21	4.57
Iron	mg/kg-Wet	4	4	100	66.8	81.5	73.3	69.2	75.6	66.8	81.5	73.3	69.2	75.6
Lead	mg/kg-Wet	4	1	25	0.129	0.129	0.129	0.129	0.129	0.0149 U	0.129	0.0382	0.008 U	0.0084 U
Magnesium	mg/kg-Wet	4	4	100	140	150	144	142	144	140	150	144	142	144
Manganese	mg/kg-Wet	4	4	100	0.415 J	5.18	1.61	0.431 J	0.433 J	0.415 J	5.18	1.61	0.431 J	0.433 J
Mercury	mg/kg-Wet	4	4	100	0.125	0.168	0.137	0.126	0.129	0.125	0.168	0.137	0.126	0.129
Nickel	mg/kg-Wet	4	1	25	0.0547	0.0547	0.0547	0.0547	0.0547	0.0442 U	0.0547	0.0314	0.02395 U	0.025 U
Potassium	mg/kg-Wet	4	4	100	2470	3410	2820	2590	2790	2470	3410	2820	2590	2790
Selenium	mg/kg-Wet	4	4	100	0.376	0.479	0.424	0.411	0.428	0.376	0.479	0.424	0.411	0.428
Silver	mg/kg-Wet	4	4	100	0.0766	0.0885	0.0815	0.0787	0.0821	0.0766	0.0885	0.0815	0.0787	0.0821
Sodium	mg/kg-Wet	4	4	100	793 JK	1020 JK	868	818 JK	841 JK	793 JK	1020 JK	868	818 JK	841 JK
Thallium	mg/kg-Wet	4	0	0						0.0758 U	0.0821 U	0.04	0.0399 U	0.04105 U
Vanadium	mg/kg-Wet	4	0	0						0.12 U	0.133 U	0.0641	0.064 U	0.066 U
Zinc	mg/kg-Wet	4	4	100	18	19.9	19.2	19.1	19.6	18	19.9	19.2	19.1	19.6
PAHs														
1-Methylnaphthalene	ug/kg-Wet	4	2	50	13	15	14	13	13	8.2 UJ	15	9.28	5 UJ	13
2-Methylnaphthalene	ug/kg-Wet	4	2	50	20	26	23	20	20	13 UJ	26	15.6	10 UJ	20
Acenaphthene	ug/kg-Wet	4	1	25	2.5 J	2.5 J	2.5	2.5 J	2.5 J	2.5 J	4.9 UJ	2.31	2.35 UJ	2.45 UJ
Acenaphthylene	ug/kg-Wet	4	1	25	1 J	1 J	1	1 J	1 J	1 J	4.9 UJ	1.94	1.95 U	2.35 UJ
Anthracene	ug/kg-Wet	4	1	25	1.7 J	1.7 J	1.7	1.7 J	1.7 J	1.7 J	4.9 U	2.11	1.95 U	2.35 UJ
Benzo(a)anthracene	ug/kg-Wet	4	0	0						16 U	20 U	8.88	8 U	9.5 UJ
Benzo(a)pyrene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Benzo(b)fluoranthene	ug/kg-Wet	4	0	0						7.8 U	9.9 U	4.38	3.95 U	4.7 U

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Table C1-24. Summary Statistics - Adult Lamprey from Willamette Falls

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(b+k)fluoranthene	ug/kg-Wet	4	0	0						7.8 U	9.9 U	4.38	3.95 U	4.7 U
Benzo(g,h,i)perylene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Benzo(k)fluoranthene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Chrysene	ug/kg-Wet	4	0	0						3.9 U	54 U	8.44	2.35 UJ	2.45 U
Dibenzo(a,h)anthracene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Fluoranthene	ug/kg-Wet	4	2	50	7.6	11	9.3	7.6	7.6	4.7 UJ	11	5.85	2.45 U	7.6
Fluorene	ug/kg-Wet	4	2	50	3.6 J	4.8	4.2	3.6 J	3.6 J	3.6 J	4.8	3.18	2.35 UJ	3.6 J
High Molecular Weight PAH	ug/kg-Wet	4	2	50	9.6 JT	12.4 JT	11	9.6 JT	9.6 JT	9.6 JT	20 UT	10.4	9.6 JT	10 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Low Molecular Weight PAH	ug/kg-Wet	4	3	75	3.6 JT	48.1 JT	30.9	40.9 T	40.9 T	3.6 JT	48.1 JT	24.8	6.5 UJT	40.9 T
Naphthalene	ug/kg-Wet	4	2	50	9.9	11	10.5	9.9	9.9	4.7 UJ	11	6.43	2.45 UJ	9.9
Phenanthrene	ug/kg-Wet	4	2	50	3.9	8.2	6.05	3.9	3.9	3.9	20 U	6.11	3.9	8.2
Pyrene	ug/kg-Wet	4	2	50	1.4 J	2 J	1.7	1.4 J	1.4 J	1.4 J	20 U	5.73	2 J	9.5 UJ
Total PAHs	ug/kg-Wet	4	3	75	3.6 JT	57.7 JT	38.2	53.3 JT	53.3 JT	3.6 JT	57.7 JT	31	9.5 UJT	53.3 JT
PBDE_Congeners														
PBDE001	pg/g-Wet	3	0	0						17.5 U	27.4 U	11.4	11.7 U	11.7 U
PBDE002	pg/g-Wet	3	0	0						17.5 U	27.4 U	11.4	11.7 U	11.7 U
PBDE003	pg/g-Wet	3	0	0						17.5 U	27.4 U	11.4	11.7 U	11.7 U
PBDE007	pg/g-Wet	3	3	100	3.78	5.05	4.61	4.99	4.99	3.78	5.05	4.61	4.99	4.99
PBDE008 & PBDE011	pg/g-Wet	3	3	100	2.07	2.46	2.28	2.31	2.31	2.07	2.46	2.28	2.31	2.31
PBDE010	pg/g-Wet	3	1	33.3	0.108	0.108	0.108	0.108	0.108	0.108	1 U	0.234	0.108	0.108
PBDE012	pg/g-Wet	3	2	66.7	0.489 K	0.651 K	0.57	0.489 K	0.489 K	0.489 K	1 U	0.547	0.5 U	0.5 U
PBDE013	pg/g-Wet	3	3	100	1.65	2.32	2.08	2.27	2.27	1.65	2.32	2.08	2.27	2.27
PBDE015	pg/g-Wet	3	3	100	24	33.4	28.3	27.6	27.6	24	33.4	28.3	27.6	27.6
PBDE017 & 025	pg/g-Wet	1	1	100	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
PBDE017	pg/g-Wet	3	3	100	47.8	66.5	57.2	57.4	57.4	47.8	66.5	57.2	57.4	57.4
PBDE025	pg/g-Wet	3	3	100	10.3	13.6	11.9	11.9	11.9	10.3	13.6	11.9	11.9	11.9
PBDE028 & PBDE033	pg/g-Wet	4	4	100	108	153	125	116	121	108	153	125	116	121
PBDE030	pg/g-Wet	4	0	0						1.59 U	3.21 U	1.19	1 U	1.35 U
PBDE032	pg/g-Wet	4	0	0						1.59 U	2.7 U	1.1	1 U	1.265 U
PBDE035	pg/g-Wet	4	3	75	29.3 K	31.5 K	30.7	31.2 K	31.2 K	2.16 U	31.5 K	23.3	29.3 K	31.2 K
PBDE037	pg/g-Wet	4	3	75	2.78	3.88	3.4	3.54	3.54	2.06 U	3.88	2.81	2.78	3.54
PBDE047	pg/g-Wet	4	4	100	1570	2140	1790	1580	1860	1570	2140	1790	1580	1860
PBDE049	pg/g-Wet	4	4	100	127	149	138	134	142	127	149	138	134	142
PBDE051	pg/g-Wet	1	1	100	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
PBDE066	pg/g-Wet	4	4	100	37.1	56.1	45	42.5	44.1	37.1	56.1	45	42.5	44.1
PBDE071	pg/g-Wet	4	1	25	7.25	7.25	7.25	7.25	7.25	0.1 U	7.25	2.18	0.082 U	1.32 U
PBDE075	pg/g-Wet	4	4	100	4.23	5.72	4.66	4.29	4.39	4.23	5.72	4.66	4.29	4.39
PBDE077	pg/g-Wet	4	3	75	0.617	1.76	1.23	1.32	1.32	0.617	2.64 U	1.25	1.32	1.32 U
PBDE079	pg/g-Wet	1	1	100	7.17 K	7.17 K	7.17	7.17 K	7.17 K	7.17 K	7.17 K	7.17	7.17 K	7.17 K
PBDE085	pg/g-Wet	4	4	100	13	20.4	15.9	13.9	16.2	13	20.4	15.9	13.9	16.2
PBDE099	pg/g-Wet	4	4	100	426	709	552	477	595	426	709	552	477	595
PBDE100	pg/g-Wet	4	4	100	238	335	278	259	279	238	335	278	259	279
PBDE105	pg/g-Wet	4	0	0						0.28 U	1.52 U	0.442	0.3315 U	0.535 U
PBDE116	pg/g-Wet	4	0	0						0.28 U	1.52 U	0.483	0.3315 U	0.7 U
PBDE119 & 120	pg/g-Wet	1	1	100	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.52
PBDE119	pg/g-Wet	3	3	100	4.12	4.98	4.57	4.62	4.62	4.12	4.98	4.57	4.62	4.62
PBDE126	pg/g-Wet	4	4	100	0.971	1.61	1.28	0.984	1.54	0.971	1.61	1.28	0.984	1.54
PBDE128	pg/g-Wet	1	0	0						0.225 U	0.225 U	0.113	0.1125 U	0.1125 U
PBDE138 & PBDE166	pg/g-Wet	4	4	100	1.15	2.03	1.53	1.38	1.57	1.15	2.03	1.53	1.38	1.57
PBDE140	pg/g-Wet	4	4	100	0.566	1.08	0.801	0.65	0.907	0.566	1.08	0.801	0.65	0.907
PBDE153	pg/g-Wet	4	4	100	22	33	27.5	24	30.8	22	33	27.5	24	30.8
PBDE154	pg/g-Wet	4	4	100	44.8	56.7	50.2	46.6	52.6	44.8	56.7	50.2	46.6	52.6
PBDE155	pg/g-Wet	4	4	100	11.2	21.4	17.8	19.1	19.5	11.2	21.4	17.8	19.1	19.5
PBDE181	pg/g-Wet	4	0	0						0.1 U	0.242 U	0.0889	0.092 U	0.0925 U
PBDE183	pg/g-Wet	4	4	100	1.08	3.76	2.84	2.96	3.54	1.08	3.76	2.84	2.96	3.54
PBDE190	pg/g-Wet	4	0	0						0.1 U	0.373 U	0.133	0.138 U	0.1575 U
PBDE203	pg/g-Wet	1	1	100	0.578 K	0.578 K	0.578	0.578 K	0.578 K	0.578 K	0.578 K	0.578	0.578 K	0.578 K
PBDE206	pg/g-Wet	4	1	25	8.4	8.4	8.4	8.4	8.4	0.345 U	8.4	2.25	0.188 U	0.25 U
PBDE207	pg/g-Wet	4	3	75	0.46 K	8.46 K	3.31	1.02 K	1.02 K	0.46 K	8.46 K	2.55	0.46 K	1.02 K
PBDE208	pg/g-Wet	4	2	50	0.441 K	6.7 K	3.57	0.441 K	0.441 K	0.345 U	6.7 K	1.89	0.25 U	0.441 K
PBDE209	pg/g-Wet	4	1	25	139	139	139	139	139	6.72 U	139	40.7	5.7 U	14.85 U
PCB_Congeners														
PCB001	ug/kg-Wet	4	4	100	0.00955	0.017	0.0128	0.0105	0.0141	0.00955	0.017	0.0128	0.0105	0.0141
PCB002	ug/kg-Wet	4	4	100	0.00381	0.0066	0.00487	0.00426	0.00479	0.00381	0.0066	0.00487	0.00426	0.00479
PCB003	ug/kg-Wet	4	4	100	0.00461	0.0167 K	0.00897	0.00625	0.00832	0.00461	0.0167 K	0.00897	0.00625	0.00832
PCB004	ug/kg-Wet	4	4	100	0.0726	0.0961	0.0838	0.0787	0.0876	0.0726	0.0961	0.0838	0.0787	0.0876
PCB005	ug/kg-Wet	4	3	75	0.0012	0.00201	0.00149	0.00127	0.00127	0.0012	0.00263 U	0.00145	0.00127	0.001315 U
PCB006	ug/kg-Wet	4	4	100	0.0195	0.0266	0.0225	0.0204	0.0234	0.0195	0.0266	0.0225	0.0204	0.0234
PCB007	ug/kg-Wet	4	4	100	0.00315	0.00482 K	0.00387	0.00353	0.00399	0.00315	0.00482 K	0.00387	0.00353	0.00399
PCB008	ug/kg-Wet	4	4	100	0.0784	0.101	0.09	0.0848	0.0959	0.0784	0.101	0.09	0.0848	0.0959
PCB009	ug/kg-Wet	4	4	100	0.00541	0.00631	0.00594	0.00594	0.0061	0.00541	0.00631	0.00594	0.00594	0.0061
PCB010	ug/kg-Wet	4	4	100	0.00324	0.00504	0.00405	0.00351 K	0.00442	0.00324	0.00504	0.00405	0.00351 K	0.00442
PCB011	ug/kg-Wet	4	4	100	0.288	0.54	0.368	0.294	0.351	0.288	0.54	0.368	0.294	0.351
PCB012 & 013	ug/kg-Wet	4	4	100	0.0105 K	0.0193 K	0.0133	0.0111	0.0124	0.0105 K	0.0193 K	0.0133	0.0111	0.0124
PCB014	ug/kg-Wet	4	1	25	0.000871	0.000871	0.000871	0.000871	0.000871	0.000871	0.00253 U	0.000828	0.000625 U	0.000871
PCB015	ug/kg-Wet	4	4	100	0.0424	0.0624	0.0515	0.0445	0.0565	0.0424	0.0624	0.0515	0.0445	0.0565

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Table C1-24. Summary Statistics - Adult Lamprey from Willamette Falls

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB016	ug/kg-Wet	4	4	100	0.121	0.158	0.139	0.13	0.147	0.121	0.158	0.139	0.13	0.147
PCB017	ug/kg-Wet	4	4	100	0.157	0.202	0.181	0.179	0.185	0.157	0.202	0.181	0.179	0.185
PCB018 & 030	ug/kg-Wet	4	4	100	0.357	0.461	0.401	0.38	0.405	0.357	0.461	0.401	0.38	0.405
PCB019	ug/kg-Wet	4	4	100	0.0387	0.0592	0.0496	0.0451	0.0553	0.0387	0.0592	0.0496	0.0451	0.0553
PCB020 & 028	ug/kg-Wet	4	4	100	0.849	1.06	0.977	0.969	1.03	0.849	1.06	0.977	0.969	1.03
PCB021 & 033	ug/kg-Wet	4	4	100	0.197	0.236	0.214	0.197	0.226	0.197	0.236	0.214	0.197	0.226
PCB022	ug/kg-Wet	4	4	100	0.191	0.246	0.223	0.221	0.233	0.191	0.246	0.223	0.221	0.233
PCB023	ug/kg-Wet	4	4	100	0.00226	0.00309 K	0.00263	0.00244	0.00274	0.00226	0.00309 K	0.00263	0.00244	0.00274
PCB024	ug/kg-Wet	4	4	100	0.00564	0.00731	0.00633	0.00566	0.0067 K	0.00564	0.00731	0.00633	0.00566	0.0067 K
PCB025	ug/kg-Wet	4	4	100	0.0368	0.0439	0.0411	0.0401	0.0435	0.0368	0.0439	0.0411	0.0401	0.0435
PCB026 & 029	ug/kg-Wet	4	4	100	0.119	0.136	0.128	0.126	0.129	0.119	0.136	0.128	0.126	0.129
PCB027	ug/kg-Wet	4	4	100	0.0263	0.0344	0.0316	0.0313	0.0342	0.0263	0.0344	0.0316	0.0313	0.0342
PCB031	ug/kg-Wet	4	4	100	0.708	0.833	0.777	0.783	0.785	0.708	0.833	0.777	0.783	0.785
PCB032	ug/kg-Wet	4	4	100	0.0591	0.0782	0.0702	0.0714	0.0722	0.0591	0.0782	0.0702	0.0714	0.0722
PCB034	ug/kg-Wet	4	4	100	0.00549	0.0062	0.00579	0.00557	0.00591 K	0.00549	0.0062	0.00579	0.00557	0.00591 K
PCB035	ug/kg-Wet	4	4	100	0.000938 K	0.00293 K	0.00188	0.00162 K	0.00205	0.000938 K	0.00293 K	0.00188	0.00162 K	0.00205
PCB036	ug/kg-Wet	4	4	100	0.00113 K	0.00302	0.00204	0.00186 K	0.00213	0.00113 K	0.00302	0.00204	0.00186 K	0.00213
PCB037	ug/kg-Wet	4	4	100	0.0308	0.0452	0.0376	0.0317	0.0428	0.0308	0.0452	0.0376	0.0317	0.0428
PCB038	ug/kg-Wet	4	3	75	0.000673	0.00103 K	0.000836	0.000805 K	0.000805 K	0.000673	0.00105 U	0.000758	0.000673	0.000805 K
PCB039	ug/kg-Wet	4	4	100	0.00757	0.00905	0.00817	0.00775 K	0.0083	0.00757	0.00905	0.00817	0.00775 K	0.0083
PCB040 & 041 & 071	ug/kg-Wet	4	4	100	0.422	0.477	0.458	0.466	0.466	0.422	0.477	0.458	0.466	0.466
PCB042	ug/kg-Wet	4	4	100	0.254	0.305	0.287	0.291	0.297	0.254	0.305	0.287	0.291	0.297
PCB043	ug/kg-Wet	4	4	100	0.0452	0.0498	0.0472	0.0457	0.0479	0.0452	0.0498	0.0472	0.0457	0.0479
PCB044 & 047 & 065	ug/kg-Wet	4	4	100	1.12	1.3	1.23	1.2	1.28	1.12	1.3	1.23	1.2	1.28
PCB045 & 051	ug/kg-Wet	4	4	100	0.0887	0.113	0.106	0.111	0.112	0.0887	0.113	0.106	0.111	0.112
PCB046	ug/kg-Wet	4	4	100	0.028	0.0353	0.0327	0.0337	0.0338	0.028	0.0353	0.0327	0.0337	0.0338
PCB048	ug/kg-Wet	4	4	100	0.165	0.197	0.183	0.179	0.19	0.165	0.197	0.183	0.179	0.19
PCB049 & 069	ug/kg-Wet	4	4	100	0.748	0.893	0.837	0.825	0.88	0.748	0.893	0.837	0.825	0.88
PCB050 & 053	ug/kg-Wet	4	4	100	0.0899	0.108	0.102	0.103	0.107	0.0899	0.108	0.102	0.103	0.107
PCB052	ug/kg-Wet	4	4	100	1.7	1.99	1.87	1.84	1.94	1.7	1.99	1.87	1.84	1.94
PCB054	ug/kg-Wet	4	4	100	0.00164	0.00361	0.00265	0.00192 K	0.00344	0.00164	0.00361	0.00265	0.00192 K	0.00344
PCB055	ug/kg-Wet	4	0	0						0.00217 U	0.00919 U	0.00214	0.00117 U	0.001695 U
PCB056	ug/kg-Wet	4	4	100	0.175	0.273	0.21	0.18	0.211	0.175	0.273	0.21	0.18	0.211
PCB057	ug/kg-Wet	4	4	100	0.01	0.0115	0.0106	0.0103	0.0106	0.01	0.0115	0.0106	0.0103	0.0106
PCB058	ug/kg-Wet	4	1	25	0.0536	0.0536	0.0536	0.0536	0.0536	0.00207 U	0.0536	0.015	0.001115 U	0.004395 U
PCB059 & 062 & 075	ug/kg-Wet	4	4	100	0.0832	0.0961	0.0891	0.0873	0.0896	0.0832	0.0961	0.0891	0.0873	0.0896
PCB060	ug/kg-Wet	4	4	100	0.268	0.363	0.318	0.312	0.329	0.268	0.363	0.318	0.312	0.329
PCB061 & 070 & 074 & 076	ug/kg-Wet	4	4	100	2.27	2.53	2.44	2.44	2.52	2.27	2.53	2.44	2.44	2.52
PCB063	ug/kg-Wet	4	4	100	0.0813	0.1	0.0893	0.0844	0.0915	0.0813	0.1	0.0893	0.0844	0.0915
PCB064	ug/kg-Wet	4	4	100	0.353	0.413	0.389	0.389	0.401	0.353	0.413	0.389	0.389	0.401
PCB066	ug/kg-Wet	4	4	100	1.01	1.19	1.12	1.12	1.17	1.01	1.19	1.12	1.12	1.17
PCB067	ug/kg-Wet	4	4	100	0.0249	0.0276	0.026	0.0255	0.0261	0.0249	0.0276	0.026	0.0255	0.0261
PCB068	ug/kg-Wet	4	4	100	0.0376	0.0452	0.0415	0.0404	0.0427	0.0376	0.0452	0.0415	0.0404	0.0427
PCB072	ug/kg-Wet	4	4	100	0.0197	0.024	0.0223	0.0215	0.0239	0.0197	0.024	0.0223	0.0215	0.0239
PCB073	ug/kg-Wet	4	0	0						0.0000374 U	0.000145 U	0.0000554	0.000062 U	0.0000685 U
PCB077	ug/kg-Wet	4	4	100	0.0143	0.0195	0.0167	0.0156	0.0175	0.0143	0.0195	0.0167	0.0156	0.0175
PCB078	ug/kg-Wet	4	0	0						0.00214 U	0.00909 U	0.00213	0.001155 U	0.00175 U
PCB079	ug/kg-Wet	4	4	100	0.0278	0.0321 K	0.0298	0.0295	0.0299	0.0278	0.0321 K	0.0298	0.0295	0.0299
PCB080	ug/kg-Wet	4	0	0						0.00194 U	0.00826 U	0.00193	0.00105 U	0.001565 U
PCB081	ug/kg-Wet	4	4	100	0.000976	0.00119	0.00107	0.00102	0.0011	0.000976	0.00119	0.00107	0.00102	0.0011
PCB082	ug/kg-Wet	4	4	100	0.0979	0.141	0.119	0.117	0.122	0.0979	0.141	0.119	0.117	0.122
PCB083 & 099	ug/kg-Wet	4	4	100	2.09	2.86	2.53	2.49	2.66	2.09	2.86	2.53	2.49	2.66
PCB084	ug/kg-Wet	4	4	100	0.149	0.223	0.178	0.162	0.179	0.149	0.223	0.178	0.162	0.179
PCB085 & 116 & 117	ug/kg-Wet	4	4	100	0.509	0.659	0.602	0.605	0.634	0.509	0.659	0.602	0.605	0.634
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	4	4	100	1.28	1.62	1.47	1.41	1.56	1.28	1.62	1.47	1.41	1.56
PCB088 & 091	ug/kg-Wet	4	4	100	0.15	0.204	0.179	0.166	0.194	0.15	0.204	0.179	0.166	0.194
PCB089	ug/kg-Wet	4	4	100	0.0108	0.0139	0.0121	0.0114	0.0124	0.0108	0.0139	0.0121	0.0114	0.0124
PCB090 & 101 & 113	ug/kg-Wet	4	4	100	2.56	3.5	3	2.91	3.03	2.56	3.5	3	2.91	3.03
PCB092	ug/kg-Wet	4	4	100	0.477	0.588	0.532	0.512	0.551	0.477	0.588	0.532	0.512	0.551
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	4	4	100	0.869	1.11	0.979	0.938	1	0.869	1.11	0.979	0.938	1
PCB094	ug/kg-Wet	4	4	100	0.00736 K	0.0093	0.00829	0.00789	0.00861	0.00736 K	0.0093	0.00829	0.00789	0.00861
PCB096	ug/kg-Wet	4	4	100	0.00437	0.00534	0.00487	0.00469	0.00509	0.00437	0.00534	0.00487	0.00469	0.00509
PCB103	ug/kg-Wet	4	4	100	0.0202	0.0259	0.0235	0.0231	0.0248	0.0202	0.0259	0.0235	0.0231	0.0248
PCB104	ug/kg-Wet	4	4	100	0.000668	0.00102 K	0.00085	0.000791	0.000922	0.000668	0.00102 K	0.00085	0.000791	0.000922
PCB105	ug/kg-Wet	4	4	100	0.507	0.63	0.579	0.57	0.609	0.507	0.63	0.579	0.57	0.609
PCB106	ug/kg-Wet	4	0	0						0.00253 U	0.00633 U	0.00197	0.001355 U	0.0021 U
PCB107 & 124	ug/kg-Wet	4	4	100	0.0583	0.072 K	0.0672	0.068	0.0705	0.0583	0.072 K	0.0672	0.068	0.0705
PCB109	ug/kg-Wet	4	4	100	0.206	0.263	0.241	0.243	0.25	0.206	0.263	0.241	0.243	0.25
PCB110 & 115	ug/kg-Wet	4	4	100	0.958	1.29	1.11	1.1	1.11	0.958	1.29	1.11	1.1	1.11
PCB111	ug/kg-Wet	4	4	100	0.00493	0.00654	0.00556	0.00508 K	0.0057	0.00493	0.00654	0.00556	0.00508 K	0.0057
PCB112	ug/kg-Wet	4	0	0						0.000868 U	0.00392 U	0.00134	0.001195 U	0.001755 U
PCB114	ug/kg-Wet	4	4	100	0.0586	0.0776	0.0706	0.0723	0.074	0.0586	0.0776	0.0706	0.0723	0.074
PCB118	ug/kg-Wet	4	4	100	2.24	2.91	2.65	2.68	2.77	2.24	2.91	2.65	2.68	2.77
PCB120	ug/kg-Wet	4	4	100	0.0176	0.0236	0.0204	0.0201	0.0204	0.0176	0.0236	0.0204	0.0201	0.0204
PCB121	ug/kg-Wet	4	4	100	0.00874	0.0155	0.012	0.011	0.0126	0.00874	0.0155	0.012	0.011	0.0126
PCB122	ug/kg-Wet	4	1	25	0.00798	0.00798	0.00798	0.00798	0.00798	0.00318 U	0.00798	0.00394	0.002465 U	0.003705 U
PCB123	ug/kg-Wet	4	4	100	0.0303	0.0354	0.0321	0.0309	0.0318	0.0303	0.0354	0.0321	0.0309	0.0318

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Table C1-24. Summary Statistics - Adult Lamprey from Willamette Falls

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB126	ug/kg-Wet	4	4	100	0.00602	0.00774	0.00703	0.00684	0.00751	0.00602	0.00774	0.00703	0.00684	0.00751
PCB127	ug/kg-Wet	4	2	50	0.00639	0.00652 K	0.00646	0.00639	0.00639	0.00292 U	0.00681 U	0.00444	0.003405 U	0.00639
PCB128 & 166	ug/kg-Wet	4	4	100	0.252	0.367	0.324	0.325	0.35	0.252	0.367	0.324	0.325	0.35
PCB129 & 138 & 160 & 163	ug/kg-Wet	4	4	100	2.81	4.16	3.5	3.46	3.56	2.81	4.16	3.5	3.46	3.56
PCB130	ug/kg-Wet	4	4	100	0.0962	0.116	0.104	0.101	0.102	0.0962	0.116	0.104	0.101	0.102
PCB131	ug/kg-Wet	4	4	100	0.012	0.016	0.0137	0.0128	0.0141	0.012	0.016	0.0137	0.0128	0.0141
PCB132	ug/kg-Wet	4	4	100	0.147	0.231	0.178	0.16	0.175	0.147	0.231	0.178	0.16	0.175
PCB133	ug/kg-Wet	4	4	100	0.0668	0.0884	0.0811	0.0838	0.0853	0.0668	0.0884	0.0811	0.0838	0.0853
PCB134 & 143	ug/kg-Wet	4	4	100	0.0606	0.0734	0.068	0.0653	0.0725	0.0606	0.0734	0.068	0.0653	0.0725
PCB135 & 151 & 154	ug/kg-Wet	4	4	100	0.64	0.794	0.72	0.71	0.736	0.64	0.794	0.72	0.71	0.736
PCB136	ug/kg-Wet	4	4	100	0.0701	0.092	0.0815	0.0728	0.091	0.0701	0.092	0.0815	0.0728	0.091
PCB137	ug/kg-Wet	4	4	100	0.151	0.19	0.176	0.178	0.184	0.151	0.19	0.176	0.178	0.184
PCB139 & 140	ug/kg-Wet	4	4	100	0.0492	0.0628	0.0581	0.0582	0.0622	0.0492	0.0628	0.0581	0.0582	0.0622
PCB141	ug/kg-Wet	4	4	100	0.249	0.31	0.286	0.279	0.307	0.249	0.31	0.286	0.279	0.307
PCB142	ug/kg-Wet	4	0	0						0.00196 U	0.00836 U	0.00196	0.001035 U	0.001645 U
PCB144	ug/kg-Wet	4	4	100	0.0845	0.125	0.0998	0.0876 K	0.102	0.0845	0.125	0.0998	0.0876 K	0.102
PCB145	ug/kg-Wet	4	2	50	0.000789 K	0.000818	0.000804	0.000789 K	0.000789 K	0.0000307 U	0.000818	0.000417	0.00004625 U	0.000789 K
PCB146	ug/kg-Wet	4	4	100	0.579	0.762	0.678	0.671	0.701	0.579	0.762	0.678	0.671	0.701
PCB147 & 149	ug/kg-Wet	4	4	100	0.915	1.17	1.05	1	1.13	0.915	1.17	1.05	1	1.13
PCB148	ug/kg-Wet	4	4	100	0.00756	0.01	0.00886	0.0082	0.00968	0.00756	0.01	0.00886	0.0082	0.00968
PCB150	ug/kg-Wet	4	4	100	0.00225	0.00311 K	0.00265	0.00247	0.00278	0.00225	0.00311 K	0.00265	0.00247	0.00278
PCB152	ug/kg-Wet	4	4	100	0.00168	0.00236	0.00202	0.00176	0.00227 K	0.00168	0.00236	0.00202	0.00176	0.00227 K
PCB153 & 168	ug/kg-Wet	4	4	100	3.89	5.94	4.88	4.82	4.87	3.89	5.94	4.88	4.82	4.87
PCB155	ug/kg-Wet	4	4	100	0.0102	0.0126	0.0113	0.011	0.0113	0.0102	0.0126	0.0113	0.011	0.0113
PCB156	ug/kg-Wet	4	4	100	0.108	0.149	0.136	0.139	0.149	0.108	0.149	0.136	0.139	0.149
PCB157	ug/kg-Wet	4	4	100	0.0208	0.0288	0.0255	0.0253	0.027	0.0208	0.0288	0.0255	0.0253	0.027
PCB158	ug/kg-Wet	4	4	100	0.148	0.184	0.172	0.176	0.18	0.148	0.184	0.172	0.176	0.18
PCB159	ug/kg-Wet	4	4	100	0.00455 K	0.00607	0.00536	0.00502	0.0058	0.00455 K	0.00607	0.00536	0.00502	0.0058
PCB161	ug/kg-Wet	4	0	0						0.00139 U	0.00561 U	0.00133	0.000715 U	0.001105 U
PCB162	ug/kg-Wet	4	4	100	0.0145	0.0185	0.0171	0.0172	0.0183	0.0145	0.0185	0.0171	0.0172	0.0183
PCB164	ug/kg-Wet	4	4	100	0.0337	0.0493	0.041	0.0395	0.0415	0.0337	0.0493	0.041	0.0395	0.0415
PCB165	ug/kg-Wet	4	3	75	0.00343	0.00422	0.0037	0.00344	0.00344	0.00343	0.00627 U	0.00356	0.00343	0.00344
PCB167	ug/kg-Wet	4	4	100	0.0785	0.0991	0.0918	0.0927	0.0968	0.0785	0.0991	0.0918	0.0927	0.0968
PCB169	ug/kg-Wet	4	4	100	0.00232	0.00308	0.00275	0.00278	0.00282	0.00232	0.00308	0.00275	0.00278	0.00282
PCB170	ug/kg-Wet	4	4	100	0.205	0.271	0.251	0.258	0.268	0.205	0.271	0.251	0.258	0.268
PCB171 & 173	ug/kg-Wet	4	4	100	0.0771	0.105	0.0938	0.096	0.097	0.0771	0.105	0.0938	0.096	0.097
PCB172	ug/kg-Wet	4	4	100	0.0675	0.0901	0.081	0.0818	0.0846	0.0675	0.0901	0.081	0.0818	0.0846
PCB174	ug/kg-Wet	4	4	100	0.0613	0.0871	0.0745	0.0745	0.075	0.0613	0.0871	0.0745	0.0745	0.075
PCB175	ug/kg-Wet	4	4	100	0.0221	0.0273	0.0258	0.0267	0.027	0.0221	0.0273	0.0258	0.0267	0.027
PCB176	ug/kg-Wet	4	4	100	0.0139	0.0177	0.0153	0.0144	0.0151	0.0139	0.0177	0.0153	0.0144	0.0151
PCB177	ug/kg-Wet	4	4	100	0.0822	0.102	0.0908	0.0855	0.0933	0.0822	0.102	0.0908	0.0855	0.0933
PCB178	ug/kg-Wet	4	4	100	0.138	0.175	0.162	0.164	0.169	0.138	0.175	0.162	0.164	0.169
PCB179	ug/kg-Wet	4	4	100	0.0639	0.0807	0.0705	0.0648	0.0725	0.0639	0.0807	0.0705	0.0648	0.0725
PCB180 & 193	ug/kg-Wet	4	4	100	0.824	1.09	0.984	1	1.02	0.824	1.09	0.984	1	1.02
PCB181	ug/kg-Wet	4	4	100	0.00455	0.00558	0.00516	0.00519	0.0053	0.00455	0.00558	0.00516	0.00519	0.0053
PCB182	ug/kg-Wet	4	4	100	0.00819	0.0102	0.00956	0.00976	0.0101	0.00819	0.0102	0.00956	0.00976	0.0101
PCB183 & 185	ug/kg-Wet	4	4	100	0.311	0.401	0.368	0.373	0.386	0.311	0.401	0.368	0.373	0.386
PCB184	ug/kg-Wet	4	4	100	0.007	0.00854	0.00788	0.00799	0.008	0.007	0.00854	0.00788	0.00799	0.008
PCB186	ug/kg-Wet	4	1	25	0.000178 K	0.000178 K	0.000178	0.000178 K	0.000178 K	0.000107 U	0.000235 U	0.000104	0.0000675 U	0.0001175 U
PCB187	ug/kg-Wet	4	4	100	0.664	0.862	0.77	0.767	0.786	0.664	0.862	0.77	0.767	0.786
PCB188	ug/kg-Wet	4	4	100	0.00369	0.00467	0.00422	0.00395	0.00457 K	0.00369	0.00467	0.00422	0.00395	0.00457 K
PCB189	ug/kg-Wet	4	4	100	0.0103	0.0137	0.0125	0.0127	0.0134	0.0103	0.0137	0.0125	0.0127	0.0134
PCB190	ug/kg-Wet	4	4	100	0.0405	0.051	0.0471	0.0473	0.0494	0.0405	0.051	0.0471	0.0473	0.0494
PCB191	ug/kg-Wet	4	4	100	0.00983	0.0127	0.0114	0.0113	0.0117	0.00983	0.0127	0.0114	0.0113	0.0117
PCB192	ug/kg-Wet	4	4	100	0.000559	0.000696 K	0.000634	0.000638	0.000644	0.000559	0.000696 K	0.000634	0.000638	0.000644
PCB194	ug/kg-Wet	4	4	100	0.0766	0.0902	0.0849	0.0826	0.09	0.0766	0.0902	0.0849	0.0826	0.09
PCB195	ug/kg-Wet	4	4	100	0.0209	0.0269	0.0246	0.0243	0.0262	0.0209	0.0269	0.0246	0.0243	0.0262
PCB196	ug/kg-Wet	4	4	100	0.049	0.0573	0.0538	0.0529	0.0559	0.049	0.0573	0.0538	0.0529	0.0559
PCB197 & 200	ug/kg-Wet	4	4	100	0.0122	0.0139	0.0131	0.013	0.0131	0.0122	0.0139	0.0131	0.013	0.0131
PCB198 & 199	ug/kg-Wet	4	4	100	0.118	0.139	0.133	0.136	0.139	0.118	0.139	0.133	0.136	0.139
PCB201	ug/kg-Wet	4	4	100	0.0223	0.0284	0.0255	0.0246	0.0268	0.0223	0.0284	0.0255	0.0246	0.0268
PCB202	ug/kg-Wet	4	4	100	0.054	0.0693	0.0634	0.0618	0.0683	0.054	0.0693	0.0634	0.0618	0.0683
PCB203	ug/kg-Wet	4	4	100	0.076	0.0918	0.0857	0.0837	0.0913	0.076	0.0918	0.0857	0.0837	0.0913
PCB204	ug/kg-Wet	4	4	100	0.000838	0.00118 K	0.00102	0.000981	0.0011 K	0.000838	0.00118 K	0.00102	0.000981	0.0011 K
PCB205	ug/kg-Wet	4	4	100	0.00565	0.00683	0.00608	0.00575	0.00608 K	0.00565	0.00683	0.00608	0.00575	0.00608 K
PCB206	ug/kg-Wet	4	4	100	0.0359	0.0448	0.0387	0.0361	0.0378	0.0359	0.0448	0.0387	0.0361	0.0378
PCB207	ug/kg-Wet	4	4	100	0.0133	0.018	0.0153	0.0148	0.015	0.0133	0.018	0.0153	0.0148	0.015
PCB208	ug/kg-Wet	4	4	100	0.0193	0.0243	0.021	0.0195	0.0209	0.0193	0.0243	0.021	0.0195	0.0209
PCB209	ug/kg-Wet	4	4	100	0.0306	0.0352	0.0329	0.0316	0.0341	0.0306	0.0352	0.0329	0.0316	0.0341
Total PCB Congeners	ug/kg-Wet	4	4	100	38.5	48.6	44.8	45.7	46.4	38.5	48.6	44.8	45.7	46.4
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.532	0.829	0.635	0.553	0.627	0.532	0.829	0.635	0.553	0.627
Heptachlorobiphenyl homologs	ug/kg-Wet	4	4	100	2.62	3.35	3.09	3.14	3.23	2.62	3.35	3.09	3.14	3.23
Hexachlorobiphenyl homologs	ug/kg-Wet	4	4	100	10.5	14.7	12.8	12.7	13.3	10.5	14.7	12.8	12.7	13.3
Monochlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.018	0.0301	0.0225	0.0207	0.021	0.018	0.0301	0.0225	0.0207	0.021
Nonachlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.0689	0.0871	0.075	0.0703	0.0736	0.0689	0.0871	0.075	0.0703	0.0736
Octachlorobiphenyl homologs	ug/kg-Wet	4	4	100	0.435	0.521	0.489	0.479	0.52	0.435	0.521	0.489	0.479	0.52

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Table C1-24. Summary Statistics - Adult Lamprey from Willamette Falls

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Pentachlorobiphenyl homologs	ug/kg-Wet	4	4	100	12.3	15.5	14.4	14.9	14.9	12.3	15.5	14.4	14.9	14.9
Tetrachlorobiphenyl homologs	ug/kg-Wet	4	4	100	9.04	10.5	9.96	10.1	10.2	9.04	10.5	9.96	10.1	10.2
Trichlorobiphenyl homologs	ug/kg-Wet	4	4	100	2.91	3.56	3.29	3.27	3.42	2.91	3.56	3.29	3.27	3.42
Pesticides														
2,4'-DDD	ug/kg-Wet	4	0	0						1.6 UJ	2.3 UJ	0.95	0.8 UJ	1.05 UJ
2,4'-DDE	ug/kg-Wet	4	0	0						0.84 UJ	1.7 UJ	0.548	0.455 UJ	0.465 UJ
2,4'-DDT	ug/kg-Wet	4	0	0						1.2 UJ	3.3 UJ	1.08	1 UJ	1.05 UJ
4,4'-DDD	ug/kg-Wet	4	0	0						7 UJ	8.8 UJ	4.1	4.2 UJ	4.3 UJ
4,4'-DDE	ug/kg-Wet	4	0	0						23 UJ	28 UJ	12.8	12 UJ	13.5 UJ
4,4'-DDT	ug/kg-Wet	4	0	0						4.4 UJ	5.7 UJ	2.56	2.6 UJ	2.6 UJ
Aldrin	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
alpha-Endosulfan	ug/kg-Wet	4	0	0						0.84 UJ	2.1 UJ	0.67	0.46 UJ	0.75 UJ
alpha-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
beta-Endosulfan	ug/kg-Wet	4	0	0						2.5 UJ	5.7 UJ	1.98	1.8 UJ	2 UJ
beta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
Chlordane (cis & trans)	ug/kg-Wet	4	0	0						6.5 UJT	7.6 UJT	3.48	3.25 UJT	3.6 UJT
cis-Chlordane	ug/kg-Wet	4	0	0						6.5 UJ	7.6 UJ	3.48	3.25 UJ	3.6 UJ
delta-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.84 UJ	1.3 UJ	0.496	0.455 UJ	0.46 UJ
Dieldrin	ug/kg-Wet	4	0	0						5 UJ	6.2 UJ	2.75	2.7 UJ	2.7 UJ
Endosulfan sulfate	ug/kg-Wet	4	0	0						3.6 UJ	4 UJ	1.88	1.85 UJ	1.85 UJ
Endrin aldehyde	ug/kg-Wet	4	0	0						3.3 UJ	3.7 UJ	1.79	1.8 UJ	1.85 UJ
Endrin ketone	ug/kg-Wet	4	0	0						3.3 UJ	3.7 UJ	1.79	1.8 UJ	1.85 UJ
Endrin	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
gamma-Hexachlorocyclohexane	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
Heptachlor epoxide	ug/kg-Wet	4	0	0						0.84 UJ	0.93 UJ	0.45	0.455 UJ	0.46 UJ
Heptachlor	ug/kg-Wet	4	0	0						0.91 UJ	1 UJ	0.47	0.46 UJ	0.465 UJ
Methoxychlor	ug/kg-Wet	4	0	0						3.3 UJ	3.7 UJ	1.79	1.8 UJ	1.85 UJ
Total Endosulfan	ug/kg-Wet	4	0	0						3.6 UJT	5.7 UJT	2.13	1.85 UJT	2 UJT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	0	0						23 UJT	28 UJT	12.8	12 UJT	13.5 UJT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	4	0	0						7 UJT	8.8 UJT	4.1	4.2 UJT	4.3 UJT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	4	0	0						23 UJT	28 UJT	12.8	12 UJT	13.5 UJT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	4	0	0						4.4 UJT	5.7 UJT	2.56	2.6 UJT	2.6 UJT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	4	0	0						23 UJ	28 UJ	12.8	12 UJ	13.5 UJ
trans-Chlordane	ug/kg-Wet	4	0	0						0.92 UJ	1.3 UJ	0.534	0.475 UJ	0.55 UJ
Phenols														
2,4,5-Trichlorophenol	ug/kg-Wet	2	0	0						16 U	16 U	8	8 U	8 U
2,4,6-Trichlorophenol	ug/kg-Wet	2	0	0						7.8 U	7.9 U	3.93	3.9 U	3.9 U
2,4-Dichlorophenol	ug/kg-Wet	2	0	0						3.9 U	3.9 U	1.95	1.95 U	1.95 U
2,4-Dimethylphenol	ug/kg-Wet	3	1	33.3	4.9	4.9	4.9	4.9	4.9	3.9 U	4.9	2.93	1.95 U	1.95 U
2-Chlorophenol	ug/kg-Wet	2	0	0						7.8 U	7.9 U	3.93	3.9 U	3.9 U
2-Nitrophenol	ug/kg-Wet	2	0	0						7.8 U	7.9 U	3.93	3.9 U	3.9 U
Phenol	ug/kg-Wet	2	0	0						3.9 U	98 U	25.5	1.95 U	1.95 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.18	1.95 U	2.35 UJ
1,2-Dichlorobenzene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
1,3-Dichlorobenzene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
1,4-Dichlorobenzene	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
2,4-Dinitrotoluene	ug/kg-Wet	4	0	0						7.8 U	9.9 UJ	4.38	3.95 U	4.7 UJ
2,6-Dinitrotoluene	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.18	1.95 U	2.35 UJ
2-Chloronaphthalene	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.18	1.95 U	2.35 UJ
4-Bromophenyl phenyl ether	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 UJ
4-Chlorophenyl phenyl ether	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.18	1.95 U	2.35 UJ
Bis(2-chloroethoxy) methane	ug/kg-Wet	4	0	0						7.8 U	9.9 UJ	4.38	3.95 U	4.7 UJ
Bis(2-chloroethyl) ether	ug/kg-Wet	4	0	0						16 U	20 U	8.88	8 U	9.5 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
Carbazole	ug/kg-Wet	4	0	0						7.8 U	9.9 U	4.38	3.95 U	4.7 UJ
Dibenzofuran	ug/kg-Wet	4	1	25	2.9 J	2.9 J	2.9	2.9 J	2.9 J	2.9 J	4.9 UJ	2.41	2.35 UJ	2.45 UJ
Diphenyl	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.24	2.2 U	2.35 UJ
Hexachlorobenzene	ug/kg-Wet	4	4	100	7	11	9.1	9.2 J	9.2 J	7	11	9.1	9.2 J	9.2 J
Hexachlorobutadiene	ug/kg-Wet	4	0	0						3.9 U	4.9 UJ	2.18	1.95 U	2.35 UJ
Hexachloroethane	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 U
N-Nitrosodiphenylamine	ug/kg-Wet	4	0	0						3.9 U	4.9 U	2.18	1.95 U	2.35 UJ
Retene	ug/kg-Wet	4	1	25	7.8 J	7.8 J	7.8	7.8 J	7.8 J	3.9 U	7.8 J	3.54	1.95 U	2.45 U

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the co
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-25. Summary Statistics - Adult Sturgeon from the Lower Willamette River.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
LOWER WILLAMETTE RIVER RM 3.5 TO 9.2														
Fillet														
Aroclors														
Aroclor 1016	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1221	ug/kg-Wet	5	0	0						9.1 UT	19 UT	5.58	4.55 U	4.75 U
Aroclor 1232	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1242	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1248	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1254	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1260	ug/kg-Wet	5	5	100	43	430 JT	133	51.5 JT	90	43	430 JT	133	51.5 JT	90
Aroclor 1262	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Aroclor 1268	ug/kg-Wet	5	0	0						4.5 UT	9.3 UT	2.76	2.25 U	2.4 U
Total PCB Aroclors	ug/kg-Wet	5	5	100	43	430 JT	133	51.5 JT	90	43	430 JT	133	51.5 JT	90
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	5	5	100	0.171	0.862	0.339	0.228 T	0.233	0.171	0.862	0.339	0.228 T	0.233
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	5	5	100	0.202	5.39	1.53	0.623 T	0.864	0.202	5.39	1.53	0.623 T	0.864
Hexachlorodibenzofuran homologs	pg/g-Wet	5	5	100	0.105	2.49	0.777	0.355	0.651	0.105	2.49	0.777	0.355	0.651
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	5	5	100	0.094	3.78	1.02	0.467	0.579	0.094	3.78	1.02	0.467	0.579
Octachlorodibenzofuran	pg/g-Wet	5	1	20	0.369	0.369	0.369	0.369	0.369	0.049 U	0.369	0.105	0.041 U	0.0575 UT
Octachlorodibenzo-p-dioxin	pg/g-Wet	5	5	100	0.304	8.08	2.42	1.28 JT	1.33	0.304	8.08	2.42	1.28 JT	1.33
Pentachlorodibenzofuran homologs	pg/g-Wet	5	5	100	0.116	0.998	0.449	0.413	0.574	0.116	0.998	0.449	0.413	0.574
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	5	4	80	0.0615 T	0.368	0.166	0.106	0.128	0.02 U	0.368	0.135	0.106	0.128
Tetrachlorodibenzofuran homologs	pg/g-Wet	5	5	100	0.584	1.08	0.841	0.844 T	1.05	0.584	1.08	0.841	0.844 T	1.05
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	5	5	100	0.06	0.234	0.139	0.134	0.182	0.06	0.234	0.139	0.134	0.182
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	5	5	100	0.135	0.542	0.229	0.155	0.173 T	0.135	0.542	0.229	0.155	0.173 T
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	5	5	100	0.202	5.39	1.53	0.623 T	0.864	0.202	5.39	1.53	0.623 T	0.864
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	5	1	20	0.092	0.092	0.092	0.092	0.092	0.02 UT	0.092	0.0282	0.012 U	0.017 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	5	3	60	0.0635 T	0.393	0.217	0.195	0.195	0.036 U	0.393	0.144	0.0635 T	0.195
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	5	3	60	0.068	0.315	0.152	0.074	0.074	0.02 U	0.315	0.0967	0.068	0.074
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	5	4	80	0.073 T	0.213	0.123	0.091	0.114	0.047 U	0.213	0.103	0.091	0.114
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	5	5	100	0.073	3.28	0.86	0.351	0.415	0.073	3.28	0.86	0.351	0.415
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	5	0	0						0.019 U	0.02 U	0.0097	0.0095 U	0.01 UT
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	5	5	100	0.021	0.187	0.0772	0.048	0.09	0.021	0.187	0.0772	0.048	0.09
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	5	5	100	0.0975 T	0.37	0.192	0.151	0.226	0.0975 T	0.37	0.192	0.151	0.226
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	5	4	80	0.0615 T	0.368	0.166	0.106	0.128	0.044 U	0.368	0.137	0.106	0.128
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	5	3	60	0.028	0.114	0.0583	0.033	0.033	0.02 U	0.114	0.0391	0.028	0.033
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	5	3	60	0.182	0.477	0.311	0.273	0.273	0.083 U	0.477	0.208	0.182	0.273
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	5	5	100	0.584	1.08	0.835	0.844 T	1.02	0.584	1.08	0.835	0.844 T	1.02
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	5	5	100	0.06	0.234	0.139	0.134	0.182	0.06	0.234	0.139	0.134	0.182
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	5	5	100	0.137 T	1.44 T	0.606	0.555 T	0.62 T	0.137 T	1.44 T	0.606	0.555 T	0.62 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	5	5	100	0.61 T	4.11 T	1.67	1.09 T	1.71 T	0.61 T	4.11 T	1.67	1.09 T	1.71 T
Total PCDD/F	pg/g-Wet	5	5	100	1.64 T	23.2 T	7.72	4.45 T	5.57 T	1.64 T	23.2 T	7.72	4.45 T	5.57 T
Total TCDD toxicity equivalent	pg/g-Wet	5	5	100	1.12 JT	4.73 T	2.28	2.04 T	2.27 T	1.12 JT	4.73 T	2.28	2.04 T	2.27 T
Metals														
Aluminum	mg/kg-Wet	5	1	20	2.15	2.15	2.15	2.15	2.15	1.96 U	2.15	1.25	1.045 U	1.05 UT
Antimony	mg/kg-Wet	5	0	0						0.078 U	0.0835 UT	0.0404	0.0408 U	0.04115 U
Arsenic	mg/kg-Wet	5	5	100	0.157	0.538	0.342	0.314	0.422	0.157	0.538	0.342	0.314	0.422
Barium	mg/kg-Wet	5	4	80	0.0588	0.0952 T	0.0748	0.0714	0.0739	0.0488 U	0.0952 T	0.0647	0.0714	0.0739
Beryllium	mg/kg-Wet	5	0	0						0.0039 U	0.00428 UT	0.00204	0.00204 U	0.00211 U
Cadmium	mg/kg-Wet	5	0	0						0.00975 U	0.0105 UT	0.00506	0.0051 U	0.00515 U
Calcium	mg/kg-Wet	5	5	100	52.6 T	63.9	56.5	56.5	56.6	52.6 T	63.9	56.5	56.5	56.6
Chromium	mg/kg-Wet	5	5	100	0.412	3.25	1.55	1.17 T	2.37	0.412	3.25	1.55	1.17 T	2.37
Cobalt	mg/kg-Wet	5	5	100	0.134 T	0.403	0.283	0.349	0.38	0.134 T	0.403	0.283	0.349	0.38
Copper	mg/kg-Wet	5	5	100	0.127	0.253	0.189	0.169	0.235 T	0.127	0.253	0.189	0.169	0.235 T
Iron	mg/kg-Wet	5	5	100	3.24	15.6	8.2	6.89 T	11	3.24	15.6	8.2	6.89 T	11
Lead	mg/kg-Wet	5	1	20	0.0165	0.0165	0.0165	0.0165	0.0165	0.00975 U	0.0165	0.00733	0.0051 U	0.00525 UT
Magnesium	mg/kg-Wet	5	5	100	225	239	232	231 T	236	225	239	232	231 T	236
Manganese	mg/kg-Wet	5	5	100	0.302	1.07	0.521	0.396	0.496	0.302	1.07	0.521	0.396	0.496
Mercury	mg/kg-Wet	5	5	100	0.0963	0.322 T	0.242	0.263	0.305	0.0963	0.322 T	0.242	0.263	0.305
Nickel	mg/kg-Wet	5	5	100	0.0351	1.65	0.727	0.586 T	1.32	0.0351	1.65	0.727	0.586 T	1.32
Potassium	mg/kg-Wet	5	5	100	3530 T	4180	3980	4080	4120	3530 T	4180	3980	4080	4120
Selenium	mg/kg-Wet	5	5	100	0.31 T	0.532	0.422	0.464	0.49	0.31 T	0.532	0.422	0.464	0.49
Silver	mg/kg-Wet	5	0	0						0.00975 U	0.0105 UT	0.00506	0.0051 U	0.00515 U
Sodium	mg/kg-Wet	5	5	100	365 JK	475 JT	400	384 JK	403 JK	365 JK	475 JT	400	384 JK	403 JK
Thallium	mg/kg-Wet	5	0	0						0.0488 U	0.0528 U	0.0253	0.0255 U	0.0257 UT
Vanadium	mg/kg-Wet	5	0	0						0.078 U	0.0835 UT	0.0404	0.0408 U	0.04115 U
Zinc	mg/kg-Wet	5	5	100	2.08	2.93 T	2.56	2.55	2.72	2.08	2.93 T	2.56	2.55	2.72
PAHs														
1-Methylnaphthalene	ug/kg-Wet	5	3	60	2.7 J	3.9 J	3.5	3.9 JT	3.9 JT	2.7 J	3.9 J	2.87	2.7 J	3.9 JT
2-Methylnaphthalene	ug/kg-Wet	5	1	20	4.4	4.4	4.4	4.4	4.4	3.8 UT	4.4	2.42	1.95 U	1.95 U
Acenaphthene	ug/kg-Wet	5	3	60	2.1 J	8.4	4.63	3.4 JT	3.4 JT	2.1 J	8.4	3.55	2.1 J	3.4 JT
Acenaphthylene	ug/kg-Wet	5	1	20	1 J	1 J	1	1 J	1 J	1 J	3.9 U	1.73	1.9 U	1.9 U
Anthracene	ug/kg-Wet	5	1	20	5.1	5.1	5.1	5.1	5.1	3.8 UT	5.1	2.56	1.95 U	1.95 U
Benzo(a)anthracene	ug/kg-Wet	5	0	0						15 UT	16 U	7.6	7.5 U	7.5 U
Benzo(a)pyrene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Benzo(b)fluoranthene	ug/kg-Wet	5	0	0						7.6 UT	7.8 U	3.83	3.8 U	3.85 U
Benzo(b+k)fluoranthene	ug/kg-Wet	5	0	0						7.6 UT	7.8 U	3.83	3.8 U	3.85 U

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Table C1-25. Summary Statistics - Adult Sturgeon from the Lower Willamette River.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(g,h,i)perylene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Benzo(k)fluoranthene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Chrysene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Dibenzo(a,h)anthracene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Fluoranthene	ug/kg-Wet	5	2	40	0.9 J	1.3 JT	1.1	0.9 J	0.9 J	0.9 J	3.9 U	1.59	1.9 U	1.9 U
Fluorene	ug/kg-Wet	5	1	20	5.2	5.2	5.2	5.2	5.2	3.8 UT	5.2	2.58	1.95 U	1.95 U
High Molecular Weight PAH	ug/kg-Wet	5	2	40	0.9 JT	2.5 JT	1.7	0.9 JT	0.9 JT	0.9 JT	15 UT	5.18	7.5 UT	7.5 UT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Low Molecular Weight PAH	ug/kg-Wet	5	3	60	3.1 JT	23.1 T	9.87	3.4 JT	3.4 JT	3.1 JT	23.1 T	6.72	3.1 JT	3.4 JT
Naphthalene	ug/kg-Wet	5	0	0						3.8 UT	4.9 U	2.1	2.05 U	2.15 U
Phenanthrene	ug/kg-Wet	5	0	0						3.8 UT	5.8 U	2.12	1.95 U	1.95 U
Pyrene	ug/kg-Wet	5	1	20	1.2 JT	1.2 JT	1.2	1.2 JT	1.2 JT	1.2 JT	16 U	6.34	7.5 U	7.5 U
Total PAHs	ug/kg-Wet	5	3	60	4 JT	23.1 T	11	5.9 JT	5.9 JT	4 JT	23.1 T	9.6	7.5 UT	7.5 UT
PBDE_Congeners														
PBDE007	pg/g-Wet	1	1	100	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
PBDE008 & PBDE011	pg/g-Wet	1	1	100	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
PBDE010	pg/g-Wet	1	0	0						0.572 U	0.572 U	0.286	0.286 U	0.286 U
PBDE012 & 013	pg/g-Wet	1	1	100	139 K	139 K	139	139 K	139 K	139 K	139 K	139	139 K	139 K
PBDE015	pg/g-Wet	1	1	100	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
PBDE017 & 025	pg/g-Wet	5	5	100	38.7 T	93.4	60.9	56.2	66.2	38.7 T	93.4	60.9	56.2	66.2
PBDE028 & PBDE033	pg/g-Wet	5	5	100	538 T	5320	2680	2080	3480	538 T	5320	2680	2080	3480
PBDE030	pg/g-Wet	5	0	0						0.961 U	8.56 U	1.6	0.965 U	1.415 U
PBDE032	pg/g-Wet	5	1	20	1.18	1.18	1.18	1.18	1.18	1.18	6.63 U	1.41	1.11 U	1.18
PBDE035	pg/g-Wet	5	5	100	1.75 JT	10.7	6.2	6.29	8.18	1.75 JT	10.7	6.2	6.29	8.18
PBDE037	pg/g-Wet	5	4	80	1.45 T	3.01	2.12	1.48	2.55	1.45 T	4.46 U	2.14	2.23 U	2.55
PBDE047	pg/g-Wet	5	5	100	10800	33200	18300	14200	20200	10800	33200	18300	14200	20200
PBDE049	pg/g-Wet	5	5	100	581 T	1500	1060	1180	1410	581 T	1500	1060	1180	1410
PBDE051	pg/g-Wet	5	5	100	47.4 T	114	83.4	103	104	47.4 T	114	83.4	103	104
PBDE066	pg/g-Wet	5	5	100	89.4 T	398	201	143	250	89.4 T	398	201	143	250
PBDE071	pg/g-Wet	5	5	100	11 T	57.1	26.4	20.7	30.4	11 T	57.1	26.4	20.7	30.4
PBDE075	pg/g-Wet	5	5	100	19.7 T	54.3	34.3	31.7	42.4	19.7 T	54.3	34.3	31.7	42.4
PBDE077	pg/g-Wet	5	4	80	0.87	1.75	1.4	1.29	1.69 T	0.69 U	1.75	1.19	1.29	1.69 T
PBDE079	pg/g-Wet	5	5	100	21 JT	83.1	35.8	23.5	28.4 K	21 JT	83.1	35.8	23.5	28.4 K
PBDE085	pg/g-Wet	5	1	20	0.748	0.748	0.748	0.748	0.748	0.58 U	1.96 U	0.65	0.748	0.825 U
PBDE099	pg/g-Wet	5	5	100	196	692	344	298 T	328	196	692	344	298 T	328
PBDE100	pg/g-Wet	5	5	100	2570 T	6920	4600	4650	5840	2570 T	6920	4600	4650	5840
PBDE105	pg/g-Wet	5	0	0						0.729 U	2.33 U	0.709	0.515 UT	1.035 U
PBDE116	pg/g-Wet	5	0	0						0.893 U	3.28 U	0.911	0.63 UT	1.27 U
PBDE119 & 120	pg/g-Wet	5	5	100	38.7 T	114	74.4	80	92.3	38.7 T	114	74.4	80	92.3
PBDE126	pg/g-Wet	5	5	100	12.8	35.3	22.6	22.8	29	12.8	35.3	22.6	22.8	29
PBDE128	pg/g-Wet	5	5	100	0.482 K	2.15	1.28	1.49	1.51 T	0.482 K	2.15	1.28	1.49	1.51 T
PBDE138 & PBDE166	pg/g-Wet	5	4	80	0.106	0.654	0.38	0.371 K	0.388 T	0.106	0.654	0.318	0.371 K	0.388 T
PBDE140	pg/g-Wet	5	5	100	0.364	1.95 T	1.28	1.52	1.8	0.364	1.95 T	1.28	1.52	1.8
PBDE153	pg/g-Wet	5	5	100	217	1030	642	603 T	972	217	1030	642	603 T	972
PBDE154	pg/g-Wet	5	5	100	890 T	3210	1870	2160	2200	890 T	3210	1870	2160	2200
PBDE155	pg/g-Wet	5	5	100	124 T	406	263	259	398	124 T	406	263	259	398
PBDE181	pg/g-Wet	5	0	0						0.16 U	0.27 U	0.11	0.1125 U	0.1345 U
PBDE183	pg/g-Wet	5	5	100	1	11.8	6.79	7.43 T	8.48	1	11.8	6.79	7.43 T	8.48
PBDE190	pg/g-Wet	5	0	0						0.239 U	0.401 U	0.161	0.1675 U	0.1895 U
PBDE203	pg/g-Wet	5	5	100	0.626	3.32	1.98	1.85 K	2.47 K	0.626	3.32	1.98	1.85 K	2.47 K
PBDE206	pg/g-Wet	5	5	100	3.2 K	5.01 K	3.96	3.86 JT	4.17	3.2 K	5.01 K	3.96	3.86 JT	4.17
PBDE207	pg/g-Wet	5	5	100	3.23	6.66	4.61	4.26	4.94 T	3.23	6.66	4.61	4.26	4.94 T
PBDE208	pg/g-Wet	5	5	100	3.25 K	5.12	3.9	3.9 K	3.93 T	3.25 K	5.12	3.9	3.9 K	3.93 T
PBDE209	pg/g-Wet	5	5	100	48.3	87.1	66.3	67.9 T	76.1	48.3	87.1	66.3	67.9 T	76.1
PCB_Congeners														
PCB001	ug/kg-Wet	5	5	100	0.000566 K	0.0018	0.00104	0.000953	0.000967	0.000566 K	0.0018	0.00104	0.000953	0.000967
PCB002	ug/kg-Wet	5	5	100	0.000347 T	0.00125 K	0.00084	0.000864	0.000896	0.000347 T	0.00125 K	0.00084	0.000864	0.000896
PCB003	ug/kg-Wet	5	5	100	0.000644 T	0.00462 K	0.00239	0.00172	0.00347 K	0.000644 T	0.00462 K	0.00239	0.00172	0.00347 K
PCB004	ug/kg-Wet	5	5	100	0.0454	0.0683	0.0538	0.0495	0.0572 T	0.0454	0.0683	0.0538	0.0495	0.0572 T
PCB005	ug/kg-Wet	5	2	40	0.0001	0.000134	0.000117	0.0001	0.0001	0.0000998 U	0.000371 UT	0.000105	0.0001	0.000134
PCB006	ug/kg-Wet	5	5	100	0.00293	0.00613 JT	0.00447	0.00487	0.00492	0.00293	0.00613 JT	0.00447	0.00487	0.00492
PCB007	ug/kg-Wet	5	5	100	0.000255	0.000577 T	0.000439	0.000504	0.000555	0.000255	0.000577 T	0.000439	0.000504	0.000555
PCB008	ug/kg-Wet	5	5	100	0.0272	0.0555 T	0.0365	0.0339	0.0378	0.0272	0.0555 T	0.0365	0.0339	0.0378
PCB009	ug/kg-Wet	5	5	100	0.00162	0.00291 T	0.00207	0.00192	0.00225	0.00162	0.00291 T	0.00207	0.00192	0.00225
PCB010	ug/kg-Wet	5	5	100	0.00239	0.00365	0.00315	0.0033	0.0036 T	0.00239	0.00365	0.00315	0.0033	0.0036 T
PCB011	ug/kg-Wet	5	5	100	0.0149 K	0.048	0.0321	0.0343 K	0.0357 T	0.0149 K	0.048	0.0321	0.0343 K	0.0357 T
PCB012 & 013	ug/kg-Wet	5	5	100	0.000801	0.00186	0.00132	0.00139	0.00162 T	0.000801	0.00186	0.00132	0.00139	0.00162 T
PCB014	ug/kg-Wet	5	0	0						0.0000812 U	0.000385 UT	0.0000759	0.0000496 U	0.000053 U
PCB015	ug/kg-Wet	5	5	100	0.00235	0.011 T	0.00514	0.00441	0.00504	0.00235	0.011 T	0.00514	0.00441	0.00504
PCB016	ug/kg-Wet	5	5	100	0.00962	0.0302	0.0166	0.0138	0.0174 T	0.00962	0.0302	0.0166	0.0138	0.0174 T
PCB017	ug/kg-Wet	5	5	100	0.0512	0.104	0.069	0.0589 T	0.0794	0.0512	0.104	0.069	0.0589 T	0.0794
PCB018 & 030	ug/kg-Wet	5	5	100	0.177	0.322	0.224	0.205 T	0.235	0.177	0.322	0.224	0.205 T	0.235
PCB019	ug/kg-Wet	5	5	100	0.0964	0.299	0.175	0.164 T	0.201	0.0964	0.299	0.175	0.164 T	0.201
PCB020 & 028	ug/kg-Wet	5	5	100	0.604	1.28	0.847	0.696 T	1	0.604	1.28	0.847	0.696 T	1
PCB021 & 033	ug/kg-Wet	5	5	100	0.0279	0.0803	0.0507	0.0461 T	0.0569	0.0279	0.0803	0.0507	0.0461 T	0.0569
PCB022	ug/kg-Wet	5	5	100	0.056	0.106	0.0749	0.0692	0.0814	0.056	0.106	0.0749	0.0692	0.0814
PCB023	ug/kg-Wet	5	4	80	0.000162 K	0.000346	0.000253	0.000249 JT	0.000255 K	0.000162 K	0.000346	0.000219	0.000249 JT	0.000255 K
PCB024	ug/kg-Wet	5	5	100	0.00095	0.00164 JT	0.00137	0.00143	0.00163	0.00095	0.00164 JT	0.00137	0.00143	0.00163

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Table C1-25. Summary Statistics - Adult Sturgeon from the Lower Willamette River.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB025	ug/kg-Wet	5	5	100	0.0151	0.0613	0.027	0.0183 T	0.0247	0.0151	0.0613	0.027	0.0183 T	0.0247
PCB026 & 029	ug/kg-Wet	5	5	100	0.0333 T	0.0597	0.0456	0.0467	0.0527	0.0333 T	0.0597	0.0456	0.0467	0.0527
PCB027	ug/kg-Wet	5	5	100	0.0307 T	0.0721	0.0417	0.0335	0.0397	0.0307 T	0.0721	0.0417	0.0335	0.0397
PCB031	ug/kg-Wet	5	5	100	0.236	0.718	0.402	0.397 T	0.419	0.236	0.718	0.402	0.397 T	0.419
PCB032	ug/kg-Wet	5	5	100	0.068	0.182	0.113	0.0983 T	0.143	0.068	0.182	0.113	0.0983 T	0.143
PCB034	ug/kg-Wet	5	5	100	0.00276	0.00531	0.00358	0.00288 T	0.00411	0.00276	0.00531	0.00358	0.00288 T	0.00411
PCB035	ug/kg-Wet	5	0	0						0.000115 U	0.000234 UT	0.000079	0.000064 U	0.000095 U
PCB036	ug/kg-Wet	5	0	0						0.000105 U	0.000202 UT	0.00007	0.000057 U	0.0000845 U
PCB037	ug/kg-Wet	5	5	100	0.00379	0.0195 T	0.0104	0.0101	0.0105	0.00379	0.0195 T	0.0104	0.0101	0.0105
PCB038	ug/kg-Wet	5	2	40	0.000571 JT	0.000605	0.000588	0.000571 JT	0.000571 JT	0.00011 U	0.000605	0.000276	0.000088 U	0.000571 JT
PCB039	ug/kg-Wet	5	5	100	0.00143 JT	0.00424	0.00285	0.00278	0.00373	0.00143 JT	0.00424	0.00285	0.00278	0.00373
PCB040 & 041 & 071	ug/kg-Wet	5	5	100	0.157 T	0.672	0.324	0.265	0.356	0.157 T	0.672	0.324	0.265	0.356
PCB042	ug/kg-Wet	5	5	100	0.0686 T	0.168	0.129	0.146	0.163	0.0686 T	0.168	0.129	0.146	0.163
PCB043	ug/kg-Wet	5	5	100	0.0388 T	0.0741	0.0515	0.042	0.0635	0.0388 T	0.0741	0.0515	0.042	0.0635
PCB044 & 047 & 065	ug/kg-Wet	5	5	100	1.35 T	11	3.63	1.52	2.81	1.35 T	11	3.63	1.52	2.81
PCB045 & 051	ug/kg-Wet	5	5	100	0.137	1.33	0.413	0.182 T	0.274	0.137	1.33	0.413	0.182 T	0.274
PCB046	ug/kg-Wet	5	5	100	0.0149 T	0.0369	0.023	0.0193	0.0261	0.0149 T	0.0369	0.023	0.0193	0.0261
PCB048	ug/kg-Wet	5	5	100	0.051 T	0.119	0.0821	0.0689	0.111	0.051 T	0.119	0.0821	0.0689	0.111
PCB049 & 069	ug/kg-Wet	5	5	100	0.593	4.31	1.71	1 T	1.97	0.593	4.31	1.71	1 T	1.97
PCB050 & 053	ug/kg-Wet	5	5	100	0.198	1.55	0.558	0.346 T	0.431	0.198	1.55	0.558	0.346 T	0.431
PCB052	ug/kg-Wet	5	5	100	1.65	6.76	3.21	1.98 T	3.89	1.65	6.76	3.21	1.98 T	3.89
PCB054	ug/kg-Wet	5	5	100	0.0165	0.083	0.0388	0.03 T	0.0415	0.0165	0.083	0.0388	0.03 T	0.0415
PCB055	ug/kg-Wet	5	0	0						0.000567 U	0.00523 U	0.00103	0.00075 U	0.001185 UT
PCB056	ug/kg-Wet	5	5	100	0.0246 T	0.0972	0.0578	0.051	0.0781	0.0246 T	0.0972	0.0578	0.051	0.0781
PCB057	ug/kg-Wet	5	4	80	0.00245	0.00757	0.00451	0.00268	0.00534	0.00229 UT	0.00757	0.00384	0.00268	0.00534
PCB058	ug/kg-Wet	5	2	40	0.00219	0.00313	0.00266	0.00219	0.00219	0.000576 U	0.00517 U	0.00186	0.00219	0.002585 U
PCB059 & 062 & 075	ug/kg-Wet	5	5	100	0.0766 T	0.232	0.131	0.0971	0.162	0.0766 T	0.232	0.131	0.0971	0.162
PCB060	ug/kg-Wet	5	5	100	0.281	0.734	0.417	0.33 T	0.427	0.281	0.734	0.417	0.33 T	0.427
PCB061 & 070 & 074 & 076	ug/kg-Wet	5	5	100	1.45	4	2.26	1.55 T	2.77	1.45	4	2.26	1.55 T	2.77
PCB063	ug/kg-Wet	5	5	100	0.0808	0.234	0.131	0.0886 T	0.167	0.0808	0.234	0.131	0.0886 T	0.167
PCB064	ug/kg-Wet	5	5	100	0.366	1.11	0.636	0.481 T	0.782	0.366	1.11	0.636	0.481 T	0.782
PCB066	ug/kg-Wet	5	5	100	0.927	2.47	1.5	1.12 T	1.95	0.927	2.47	1.5	1.12 T	1.95
PCB067	ug/kg-Wet	5	4	80	0.00804	0.0366	0.017	0.00807	0.0151	0.002 UT	0.0366	0.0138	0.00807	0.0151
PCB068	ug/kg-Wet	5	5	100	0.0202	0.167	0.0592	0.0273 T	0.0556	0.0202	0.167	0.0592	0.0273 T	0.0556
PCB072	ug/kg-Wet	5	5	100	0.0155	0.087	0.0374	0.0214	0.0428	0.0155	0.087	0.0374	0.0214	0.0428
PCB073	ug/kg-Wet	5	4	80	0.0139	0.179	0.0599	0.0213	0.0253	0.000135 UT	0.179	0.0479	0.0213	0.0253
PCB077	ug/kg-Wet	5	5	100	0.00664	0.0174	0.0122	0.0105	0.0165	0.00664	0.0174	0.0122	0.0105	0.0165
PCB078	ug/kg-Wet	5	0	0						0.000591 U	0.00545 U	0.00107	0.00078 U	0.00122 UT
PCB079	ug/kg-Wet	5	5	100	0.0114 T	0.0446	0.0238	0.0228	0.0266	0.0114 T	0.0446	0.0238	0.0228	0.0266
PCB080	ug/kg-Wet	5	0	0						0.000537 U	0.00496 U	0.000966	0.00071 U	0.00109 UT
PCB081	ug/kg-Wet	5	5	100	0.000834 T	0.00352	0.00218	0.00249	0.0032	0.000834 T	0.00352	0.00218	0.00249	0.0032
PCB082	ug/kg-Wet	5	5	100	0.0165 JT	0.091	0.0518	0.0391	0.0855	0.0165 JT	0.091	0.0518	0.0391	0.0855
PCB083 & 099	ug/kg-Wet	5	5	100	3.11	16.8	6.86	3.37 T	7.84	3.11	16.8	6.86	3.37 T	7.84
PCB084	ug/kg-Wet	5	5	100	0.176 T	0.7	0.358	0.278	0.43	0.176 T	0.7	0.358	0.278	0.43
PCB085 & 116 & 117	ug/kg-Wet	5	5	100	0.71 T	1.96	1.2	0.771	1.81	0.71 T	1.96	1.2	0.771	1.81
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	5	5	100	1.17 T	6.54	2.64	1.39	2.88	1.17 T	6.54	2.64	1.39	2.88
PCB088 & 091	ug/kg-Wet	5	5	100	0.366	4.22	1.25	0.392 T	0.873	0.366	4.22	1.25	0.392 T	0.873
PCB089	ug/kg-Wet	5	5	100	0.00301 T	0.0105	0.00685	0.00709	0.00832	0.00301 T	0.0105	0.00685	0.00709	0.00832
PCB090 & 101 & 113	ug/kg-Wet	5	5	100	3	33.2	10.4	3.99 T	8.54	3	33.2	10.4	3.99 T	8.54
PCB092	ug/kg-Wet	5	5	100	0.875	7.57	2.52	0.943 T	2.28	0.875	7.57	2.52	0.943 T	2.28
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	5	5	100	1.91	22	6.59	2.24	4.68	1.91	22	6.59	2.24	4.68
PCB094	ug/kg-Wet	5	5	100	0.0227	0.432	0.117	0.038	0.0608	0.0227	0.432	0.117	0.038	0.0608
PCB096	ug/kg-Wet	5	5	100	0.00998 T	0.0749	0.026	0.0153	0.02	0.00998 T	0.0749	0.026	0.0153	0.02
PCB103	ug/kg-Wet	5	5	100	0.0712	1.31	0.353	0.112	0.192	0.0712	1.31	0.353	0.112	0.192
PCB104	ug/kg-Wet	5	5	100	0.00322	0.0422	0.0135	0.00593 T	0.0104	0.00322	0.0422	0.0135	0.00593 T	0.0104
PCB105	ug/kg-Wet	5	5	100	0.99	2.63	1.61	1.16 T	2.16	0.99	2.63	1.61	1.16 T	2.16
PCB106	ug/kg-Wet	5	0	0						0.000677 U	0.00242 U	0.000848	0.00085 UT	0.00105 U
PCB107 & 124	ug/kg-Wet	5	5	100	0.0144	0.0376	0.0241	0.0193 T	0.0336	0.0144	0.0376	0.0241	0.0193 T	0.0336
PCB109	ug/kg-Wet	5	5	100	0.294	1.23	0.582	0.324 T	0.756	0.294	1.23	0.582	0.324 T	0.756
PCB110 & 115	ug/kg-Wet	5	5	100	2.04	13.1	5.1	2.38 T	5.7	2.04	13.1	5.1	2.38 T	5.7
PCB111	ug/kg-Wet	5	5	100	0.00562 JT	0.0588	0.0202	0.00957	0.0188	0.00562 JT	0.0588	0.0202	0.00957	0.0188
PCB112	ug/kg-Wet	5	0	0						0.000161 U	0.00132 UT	0.000323	0.000228 U	0.0004725 U
PCB114	ug/kg-Wet	5	5	100	0.0768	0.204	0.127	0.0922 T	0.172	0.0768	0.204	0.127	0.0922 T	0.172
PCB118	ug/kg-Wet	5	5	100	1.16	5.01	2.53	2.1 T	3.11	1.16	5.01	2.53	2.1 T	3.11
PCB120	ug/kg-Wet	5	5	100	0.0146	0.174	0.0535	0.0213	0.0417	0.0146	0.174	0.0535	0.0213	0.0417
PCB121	ug/kg-Wet	5	4	80	0.00943	0.0232	0.0144	0.0114	0.0136 T	0.000445 U	0.0232	0.0116	0.0114	0.0136 T
PCB122	ug/kg-Wet	5	2	40	0.00253	0.00448	0.00351	0.00253	0.00253	0.000727 U	0.00448	0.00194	0.00134 U	0.00253
PCB123	ug/kg-Wet	5	5	100	0.026	0.057	0.0384	0.0371	0.0456	0.026	0.057	0.0384	0.0371	0.0456
PCB126	ug/kg-Wet	5	4	80	0.00174 T	0.00485	0.0033	0.00277	0.00384	0.00174 T	0.00485	0.00285	0.00277	0.00384
PCB127	ug/kg-Wet	5	2	40	0.00934 T	0.0271	0.0182	0.00934 T	0.00934 T	0.00169 U	0.0271	0.00794	0.0013 U	0.00934 T
PCB128 & 166	ug/kg-Wet	5	5	100	0.584	4.48	1.56	0.7 T	1.39	0.584	4.48	1.56	0.7 T	1.39
PCB129 & 138 & 160 & 163	ug/kg-Wet	5	5	100	8.05 T	96.3	28.5	9.32	20.7	8.05 T	96.3	28.5	9.32	20.7
PCB130	ug/kg-Wet	5	5	100	0.311 T	2.97	0.998	0.415	0.932	0.311 T	2.97	0.998	0.415	0.932
PCB131	ug/kg-Wet	5	5	100	0.014 T	0.183	0.0563	0.0194	0.0465	0.014 T	0.183	0.0563	0.0194	0.0465
PCB132	ug/kg-Wet	5	5	100	0.724 T	14.2	3.67	0.797	1.85	0.724 T	14.2	3.67	0.797	1.85
PCB133	ug/kg-Wet	5	5	100	0.188 T	1.63	0.543	0.237	0.456	0.188 T	1.63	0.543	0.237	0.456
PCB134 & 143	ug/kg-Wet	5	5	100	0.152 T	1.78	0.515	0.17	0.304	0.152 T	1.78	0.515	0.17	0.304
PCB135 & 151 & 154	ug/kg-Wet	5	5	100	2.41 T	38.1	10.6	3.06	6.78	2.41 T	38.1	10.6	3.06	6.78

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Table C1-25. Summary Statistics - Adult Sturgeon from the Lower Willamette River.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB136	ug/kg-Wet	5	5	100	0.281	5.28	1.41	0.431	0.735	0.281	5.28	1.41	0.431	0.735
PCB137	ug/kg-Wet	5	5	100	0.254 T	0.93	0.508	0.335	0.715	0.254 T	0.93	0.508	0.335	0.715
PCB139 & 140	ug/kg-Wet	5	5	100	0.0972 T	0.677	0.262	0.139	0.279	0.0972 T	0.677	0.262	0.139	0.279
PCB141	ug/kg-Wet	5	5	100	1.14	20.3	5.44	1.34	3.16	1.14	20.3	5.44	1.34	3.16
PCB142	ug/kg-Wet	5	0	0						0.00141 U	0.0022 UT	0.000885	0.00088 U	0.000955 U
PCB144	ug/kg-Wet	5	5	100	0.168	4.55	1.14	0.233	0.546	0.168	4.55	1.14	0.233	0.546
PCB145	ug/kg-Wet	5	4	80	0.000348	0.00304	0.0013	0.000587	0.00122	0.0000255 UT	0.00304	0.00104	0.000587	0.00122
PCB146	ug/kg-Wet	5	5	100	1.74	18.2	5.63	2.1	4.22	1.74	18.2	5.63	2.1	4.22
PCB147 & 149	ug/kg-Wet	5	5	100	3.31	70.5	18.9	5.15 T	11.1	3.31	70.5	18.9	5.15 T	11.1
PCB148	ug/kg-Wet	5	5	100	0.0277 T	0.363	0.115	0.051	0.0968	0.0277 T	0.363	0.115	0.051	0.0968
PCB150	ug/kg-Wet	5	5	100	0.0125	0.263	0.0688	0.0208	0.0331	0.0125	0.263	0.0688	0.0208	0.0331
PCB152	ug/kg-Wet	5	5	100	0.00528	0.0913	0.0252	0.00889	0.0144	0.00528	0.0913	0.0252	0.00889	0.0144
PCB153 & 168	ug/kg-Wet	5	5	100	10.7 T	116	34.6	11.7	23.9	10.7 T	116	34.6	11.7	23.9
PCB155	ug/kg-Wet	5	5	100	0.00492	0.0243	0.0111	0.00936 T	0.0105	0.00492	0.0243	0.0111	0.00936 T	0.0105
PCB156	ug/kg-Wet	5	5	100	0.461 T	5.22	1.61	0.563	1.24	0.461 T	5.22	1.61	0.563	1.24
PCB157	ug/kg-Wet	5	5	100	0.0757 T	0.335	0.156	0.0894	0.195	0.0757 T	0.335	0.156	0.0894	0.195
PCB158	ug/kg-Wet	5	5	100	0.677 T	8.95	2.63	0.819	1.89	0.677 T	8.95	2.63	0.819	1.89
PCB159	ug/kg-Wet	5	5	100	0.0487	0.955	0.254	0.0713 T	0.136	0.0487	0.955	0.254	0.0713 T	0.136
PCB161	ug/kg-Wet	5	0	0						0.00103 U	0.0016 UT	0.000646	0.00064 U	0.000705 U
PCB162	ug/kg-Wet	5	5	100	0.0222	0.0986	0.0446	0.0269 T	0.051	0.0222	0.0986	0.0446	0.0269 T	0.051
PCB164	ug/kg-Wet	5	5	100	0.276	4.35	1.22	0.346	0.807	0.276	4.35	1.22	0.346	0.807
PCB165	ug/kg-Wet	5	5	100	0.0104 JT	0.0762	0.0276	0.0141	0.0263	0.0104 JT	0.0762	0.0276	0.0141	0.0263
PCB167	ug/kg-Wet	5	5	100	0.0103	0.0546	0.0264	0.0204 T	0.0337	0.0103	0.0546	0.0264	0.0204 T	0.0337
PCB169	ug/kg-Wet	5	5	100	0.000862	0.00206	0.00144	0.00152 T	0.00168	0.000862	0.00206	0.00144	0.00152 T	0.00168
PCB170	ug/kg-Wet	5	5	100	1.77	37.1	9.48	2.2 T	4.21	1.77	37.1	9.48	2.2 T	4.21
PCB171 & 173	ug/kg-Wet	5	5	100	0.626	12.4	3.16	0.741	1.38	0.626	12.4	3.16	0.741	1.38
PCB172	ug/kg-Wet	5	5	100	0.399	6.42	1.75	0.514	0.957	0.399	6.42	1.75	0.514	0.957
PCB174	ug/kg-Wet	5	5	100	1.09	29.6	7.39	1.56 T	3.3	1.09	29.6	7.39	1.56 T	3.3
PCB175	ug/kg-Wet	5	5	100	0.0908	1.6	0.428	0.123	0.218	0.0908	1.6	0.428	0.123	0.218
PCB176	ug/kg-Wet	5	5	100	0.0854	3.57	0.845	0.165 T	0.276	0.0854	3.57	0.845	0.165 T	0.276
PCB177	ug/kg-Wet	5	5	100	1.14	21.7	5.67	1.5	2.68	1.14	21.7	5.67	1.5	2.68
PCB178	ug/kg-Wet	5	5	100	0.605	7.96	2.29	0.773	1.44	0.605	7.96	2.29	0.773	1.44
PCB179	ug/kg-Wet	5	5	100	0.475	9.83	2.57	0.715	1.28	0.475	9.83	2.57	0.715	1.28
PCB180 & 193	ug/kg-Wet	5	5	100	6.26	97.4	26.5	7.68	14.3	6.26	97.4	26.5	7.68	14.3
PCB181	ug/kg-Wet	5	5	100	0.0143 T	0.179	0.0527	0.0187	0.034	0.0143 T	0.179	0.0527	0.0187	0.034
PCB182	ug/kg-Wet	5	4	80	0.0201	0.168	0.0633	0.0235	0.0415	0.000224 UT	0.168	0.0506	0.0235	0.0415
PCB183 & 185	ug/kg-Wet	5	5	100	1.86	30.9	8.38	2.41	4.36	1.86	30.9	8.38	2.41	4.36
PCB184	ug/kg-Wet	5	5	100	0.00366	0.0168	0.00768	0.0071 T	0.00711	0.00366	0.0168	0.00768	0.0071 T	0.00711
PCB186	ug/kg-Wet	5	0	0						0.0000496 U	0.000596 U	0.0000963	0.0000399 U	0.0000825 UT
PCB187	ug/kg-Wet	5	5	100	4.26 T	57.9	17.2	6.53	12	4.26 T	57.9	17.2	6.53	12
PCB188	ug/kg-Wet	5	5	100	0.0085 T	0.0782	0.0261	0.0117	0.0218	0.0085 T	0.0782	0.0261	0.0117	0.0218
PCB189	ug/kg-Wet	5	5	100	0.0642	1.19	0.315	0.0844 T	0.154	0.0642	1.19	0.315	0.0844 T	0.154
PCB190	ug/kg-Wet	5	5	100	0.349	7.3	1.9	0.506	0.859	0.349	7.3	1.9	0.506	0.859
PCB191	ug/kg-Wet	5	5	100	0.0895	1.64	0.433	0.115	0.206	0.0895	1.64	0.433	0.115	0.206
PCB192	ug/kg-Wet	5	0	0						0.000059 U	0.000695 U	0.000111	0.00004745 U	0.000089 UT
PCB194	ug/kg-Wet	5	5	100	0.9	15.3	4.19	1.3	2.24	0.9	15.3	4.19	1.3	2.24
PCB195	ug/kg-Wet	5	5	100	0.34	6.01	1.6	0.429	0.779	0.34	6.01	1.6	0.429	0.779
PCB196	ug/kg-Wet	5	5	100	0.499	8.99	2.43	0.74	1.27	0.499	8.99	2.43	0.74	1.27
PCB197 & 200	ug/kg-Wet	5	5	100	0.101	1.99	0.537	0.145	0.314	0.101	1.99	0.537	0.145	0.314
PCB198 & 199	ug/kg-Wet	5	5	100	1.18	15.4	4.53	1.73	2.95	1.18	15.4	4.53	1.73	2.95
PCB201	ug/kg-Wet	5	5	100	0.132	1.76	0.509	0.183	0.309	0.132	1.76	0.509	0.183	0.309
PCB202	ug/kg-Wet	5	5	100	0.279 T	2.49	0.834	0.398	0.69	0.279 T	2.49	0.834	0.398	0.69
PCB203	ug/kg-Wet	5	5	100	0.766	10.3	2.99	1.12	1.86	0.766	10.3	2.99	1.12	1.86
PCB204	ug/kg-Wet	5	5	100	0.000931	0.00424	0.00174	0.00108 JT	0.00151	0.000931	0.00424	0.00174	0.00108 JT	0.00151
PCB205	ug/kg-Wet	5	5	100	0.0374	0.728	0.198	0.0629	0.105	0.0374	0.728	0.198	0.0629	0.105
PCB206	ug/kg-Wet	5	5	100	0.343 T	2.54	0.919	0.453	0.867	0.343 T	2.54	0.919	0.453	0.867
PCB207	ug/kg-Wet	5	5	100	0.0533	0.354	0.132	0.0715	0.123	0.0533	0.354	0.132	0.0715	0.123
PCB208	ug/kg-Wet	5	5	100	0.118 T	0.698	0.301	0.203	0.334	0.118 T	0.698	0.301	0.203	0.334
PCB209	ug/kg-Wet	5	5	100	0.129 T	0.5	0.323	0.329	0.484	0.129 T	0.5	0.323	0.329	0.484
Total PCB Congeners	ug/kg-Wet	5	5	100	84.7	964	289	96.2	206	84.7	964	289	96.2	206
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.0882	0.17 T	0.128	0.141	0.152	0.0882	0.17 T	0.128	0.141	0.152
Heptachlorobiphenyl homologs	ug/kg-Wet	5	5	100	20	327	88.4	25.4	47.7	20	327	88.4	25.4	47.7
Hexachlorobiphenyl homologs	ug/kg-Wet	5	5	100	32.7	417	121	37.1	81.7	32.7	417	121	37.1	81.7
Monochlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.000864	0.00359	0.00228	0.00181 T	0.00332	0.000864	0.00359	0.00228	0.00181 T	0.00332
Nonachlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.518 T	3.6	1.35	0.727	1.32	0.518 T	3.6	1.35	0.727	1.32
Octachlorobiphenyl homologs	ug/kg-Wet	5	5	100	4.27	62.9	17.8	6.11	10.5	4.27	62.9	17.8	6.11	10.5
Pentachlorobiphenyl homologs	ug/kg-Wet	5	5	100	16.8	117	42.4	19.2 T	42.2	16.8	117	42.4	19.2 T	42.2
Tetrachlorobiphenyl homologs	ug/kg-Wet	5	5	100	8.2	33	15.5	8.95 T	19.1	8.2	33	15.5	8.95 T	19.1
Trichlorobiphenyl homologs	ug/kg-Wet	5	5	100	1.45	3.02	2.11	1.85 T	2.62	1.45	3.02	2.11	1.85 T	2.62
Pesticides														
2,4'-DDD	ug/kg-Wet	5	0	0						0.95 U	4.7 U	1.18	0.85 U	1.65 U
2,4'-DDE	ug/kg-Wet	5	0	0						0.44 U	2.2 U	0.641	0.48 UT	0.95 U
2,4'-DDT	ug/kg-Wet	5	0	0						0.23 U	19 U	3.07	1.95 UT	3.3 U
4,4'-DDD	ug/kg-Wet	5	0	0						0.91 UT	24 U	5.8	5 U	7.5 U
4,4'-DDE	ug/kg-Wet	5	5	100	27.5 JT	94 J	50.3	51 J	51 J	27.5 JT	94 J	50.3	51 J	51 J
4,4'-DDT	ug/kg-Wet	5	5	100	10 J	74 J	27.4	13 J	28 J	10 J	74 J	27.4	13 J	28 J
Aldrin	ug/kg-Wet	5	0	0						0.47 U	1 U	0.424	0.455 U	0.475 U

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Table C1-25. Summary Statistics - Adult Sturgeon from the Lower Willamette River.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	# Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
alpha-Endosulfan	ug/kg-Wet	5	1	20	1.1 J	1.1 J	1.1	1.1 J	1.1 J	0.91 UT	1.1 J	0.597	0.475 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						0.23 U	1 U	0.4	0.455 U	0.475 U
beta-Endosulfan	ug/kg-Wet	5	0	0						3.6 UT	4.3 U	1.88	1.8 U	1.85 U
beta-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						0.23 U	1 U	0.4	0.455 U	0.475 U
Chlordane (cis & trans)	ug/kg-Wet	5	4	80	2.5 JT	5.6 JT	4.1	3 JT	5.3 JT	2.5 JT	5.6 JT	3.58	3 JT	5.3 JT
cis-Chlordane	ug/kg-Wet	5	4	80	2.5 J	5.6 J	4.1	3 J	5.3 JT	2.5 J	5.6 J	3.58	3 J	5.3 JT
delta-Hexachlorocyclohexane	ug/kg-Wet	5	1	20	1.9 J	1.9 J	1.9	1.9 J	1.9 J	0.47 U	1.9 J	0.709	0.455 U	0.5 U
Dieldrin	ug/kg-Wet	5	2	40	0.67 J	1.4 J	1.04	0.67 J	0.67 J	0.67 J	1.4 J	0.7	0.5 U	0.67 J
Endosulfan sulfate	ug/kg-Wet	5	0	0						3.6 UT	3.8 U	1.83	1.8 U	1.85 U
Endrin aldehyde	ug/kg-Wet	4	0	0						3.6 UT	3.8 U	1.84	1.8 U	1.85 U
Endrin ketone	ug/kg-Wet	5	0	0						0.93 U	3.8 U	1.55	1.8 U	1.8 U
Endrin	ug/kg-Wet	5	0	0						0.95 U	5.5 U	1.59	1.9 UT	2.25 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	5	0	0						0.23 U	1 U	0.4	0.455 U	0.475 U
Heptachlor epoxide	ug/kg-Wet	5	0	0						0.23 U	1 U	0.4	0.455 U	0.475 U
Heptachlor	ug/kg-Wet	5	0	0						0.5 U	1.6 U	0.542	0.455 U	0.75 U
Methoxychlor	ug/kg-Wet	5	1	20	4.4 JT	4.4 JT	4.4	4.4 JT	4.4 JT	3.6 U	4.4 JT	2.35	1.85 U	1.9 U
Total Endosulfan	ug/kg-Wet	5	1	20	1.1 JT	1.1 JT	1.1	1.1 JT	1.1 JT	1.1 JT	4.3 UT	1.73	1.8 UT	1.8 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	5	5	100	38 JT	125 JT	77.7	64 JT	122 JT	38 JT	125 JT	77.7	64 JT	122 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	5	0	0						1.1 UT	24 UT	5.82	5 UT	7.5 UT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	5	5	100	27.5 JT	94 JT	50.3	51 JT	51 JT	27.5 JT	94 JT	50.3	51 JT	51 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	5	5	100	10 JT	74 JT	27.4	13 JT	28 JT	10 JT	74 JT	27.4	13 JT	28 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	5	5	100	38 J	125 J	77.7	64 J	122 J	38 J	125 J	77.7	64 J	122 J
trans-Chlordane	ug/kg-Wet	5	0	0						0.91 UT	2.2 U	0.716	0.55 U	1 U
Phenols														
2,4,5-Trichlorophenol	ug/kg-Wet	5	0	0						15 UT	16 UJ	7.6	7.5 U	7.5 U
2,4,6-Trichlorophenol	ug/kg-Wet	5	0	0						7.6 UT	7.8 UJ	3.83	3.8 U	3.85 U
2,4-Dichlorophenol	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 UJ
2,4-Dimethylphenol	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 UJ
2-Chlorophenol	ug/kg-Wet	5	0	0						7.6 UT	7.8 UJ	3.83	3.8 U	3.85 U
2-Nitrophenol	ug/kg-Wet	5	0	0						7.6 UT	7.8 UJ	3.83	3.8 U	3.85 U
Phenol	ug/kg-Wet	5	0	0						16 UJ	77 U	21.3	20.5 U	24 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
1,2-Dichlorobenzene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
1,3-Dichlorobenzene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
1,4-Dichlorobenzene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
2,4-Dinitrotoluene	ug/kg-Wet	5	0	0						7.6 UT	8 U	3.87	3.85 U	3.9 U
2,6-Dinitrotoluene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
2-Chloronaphthalene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
4-Bromophenyl phenyl ether	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
4-Chlorophenyl phenyl ether	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	5	0	0						7.6 UT	7.8 U	3.83	3.8 U	3.85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	5	0	0						15 UT	16 U	7.6	7.5 U	7.5 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Carbazole	ug/kg-Wet	5	0	0						7.6 UT	7.8 U	3.83	3.8 U	3.85 U
Dibenzofuran	ug/kg-Wet	5	3	60	0.8 J	3.6 J	1.77	0.9 JT	0.9 JT	0.8 J	3.9 U	1.83	1.9 U	1.95 U
Diphenyl	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Hexachlorobenzene	ug/kg-Wet	5	3	60	1.5 J	1.6 J	1.57	1.6 JT	1.6 JT	1.5 J	3.9 U	1.71	1.6 J	1.9 U
Hexachlorobutadiene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Hexachloroethane	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
N-Nitrosodiphenylamine	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U
Retene	ug/kg-Wet	5	0	0						3.8 UT	3.9 U	1.92	1.9 U	1.95 U

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the c
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
DOWNSTREAM														
Field-collected/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.000666 U	0.000666 U	0.000333	0.000333 U	0.000333 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000324 U	0.000324 U	0.000162	0.000162 U	0.000162 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000324 U	0.000324 U	0.000162	0.000162 U	0.000162 U
Aroclor 1242	ug/kg-Wet	1	1	100	11.2 NJ	11.2 NJ	11.2	11.2 NJ	11.2 NJ	11.2 NJ	11.2 NJ	11.2	11.2 NJ	11.2 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.00888 U	0.00888 U	0.00444	0.00444 U	0.00444 U
Aroclor 1254	ug/kg-Wet	1	1	100	86.5 NJ	86.5 NJ	86.5	86.5 NJ	86.5 NJ	86.5 NJ	86.5 NJ	86.5	86.5 NJ	86.5 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	20 NJ	20 NJ	20	20 NJ	20 NJ	20 NJ	20 NJ	20	20 NJ	20 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	118 JT	118 JT	118	118 JT	118 JT	118 JT	118 JT	118	118 JT	118 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	1	100	1.6 J	1.6 J	1.6	1.6 J	1.6 J	1.6 J	1.6 J	1.6	1.6 J	1.6 J
Dibutyltin ion	ug/kg-Wet	1	1	100	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	1	100	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Conventionals														
Lipids	percent-Wet	1	1	100	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
Total solids	percent-Wet	1	1	100	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Octachlorodibenzofuran	pg/g-Wet	1	0	0						0.807 U	0.807 U	0.404	0.4035 U	0.4035 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	8.08	8.08	8.08	8.08	8.08	8.08	8.08	8.08	8.08	8.08
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.432 U	0.432 U	0.216	0.216 U	0.216 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.132 U	0.132 U	0.066	0.066 U	0.066 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.125 J	0.125 J	0.125	0.125 J	0.125 J	0.125 J	0.125 J	0.125	0.125 J	0.125 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.092 U	0.092 U	0.046	0.046 U	0.046 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.061 U	0.061 U	0.0305	0.0305 U	0.0305 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.418 J	0.418 J	0.418	0.418 J	0.418 J	0.418 J	0.418 J	0.418	0.418 J	0.418 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.133 U	0.133 U	0.0665	0.0665 U	0.0665 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	0.15 J	0.15 J	0.15	0.15 J	0.15 J	0.15 J	0.15 J	0.15	0.15 J	0.15 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.165 U	0.165 U	0.0825	0.0825 U	0.0825 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.127 U	0.127 U	0.0635	0.0635 U	0.0635 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.256 U	0.256 U	0.128	0.128 U	0.128 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	1	100	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.172 U	0.172 U	0.086	0.086 U	0.086 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.215 T	0.215 T	0.215	0.215 T	0.215 T	0.215 T	0.215 T	0.215	0.215 T	0.215 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	2.89 T	2.89 T	2.89	2.89 T	2.89 T	2.89 T	2.89 T	2.89	2.89 T	2.89 T
Total PCDD/F	pg/g-Wet	1	1	100	36 T	36 T	36	36 T	36 T	36 T	36 T	36	36 T	36 T
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	3.1 T	3.1 T	3.1	3.1 T	3.1 T	3.1 T	3.1 T	3.1	3.1 T	3.1 T
Metals														
Aluminum	mg/kg-Wet	1	1	100	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
Antimony	mg/kg-Wet	1	0	0						0.001 U	0.001 U	0.0005	0.0005 U	0.0005 U
Arsenic	mg/kg-Wet	1	1	100	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
Cadmium	mg/kg-Wet	1	1	100	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Chromium	mg/kg-Wet	1	1	100	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Copper	mg/kg-Wet	1	1	100	9.49	9.49	9.49	9.49	9.49	9.49	9.49	9.49	9.49	9.49
Lead	mg/kg-Wet	1	1	100	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Mercury	mg/kg-Wet	1	1	100	0.006 J	0.006 J	0.006	0.006 J	0.006 J	0.006 J	0.006 J	0.006	0.006 J	0.006 J
Nickel	mg/kg-Wet	1	1	100	0.234 J	0.234 J	0.234	0.234 J	0.234 J	0.234 J	0.234 J	0.234	0.234 J	0.234 J
Selenium	mg/kg-Wet	1	1	100	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098
Silver	mg/kg-Wet	1	1	100	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374
Zinc	mg/kg-Wet	1	1	100	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Acenaphthene	ug/kg-Wet	1	1	100	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Acenaphthylene	ug/kg-Wet	1	1	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Anthracene	ug/kg-Wet	1	1	100	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Benzo(a)anthracene	ug/kg-Wet	1	1	100	31	31	31	31	31	31	31	31	31	31
Benzo(a)pyrene	ug/kg-Wet	1	1	100	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	3	3	3	3	3	3	3	3	3	3
Chrysene	ug/kg-Wet	1	1	100	37	37	37	37	37	37	37	37	37	37
Dibenzo(a,h)anthracene	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Fluoranthene	ug/kg-Wet	1	1	100	82	82	82	82	82	82	82	82	82	82

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Fluorene	ug/kg-Wet	1	1	100	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
High Molecular Weight PAH	ug/kg-Wet	1	1	100	268 T	268 T	268	268 T	268 T	268 T	268 T	268	268 T	268 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	32.6 T	32.6 T	32.6	32.6 T	32.6 T	32.6 T	32.6 T	32.6	32.6 T	32.6 T
Naphthalene	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Phenanthrene	ug/kg-Wet	1	1	100	21	21	21	21	21	21	21	21	21	21
Pyrene	ug/kg-Wet	1	1	100	100	100	100	100	100	100	100	100	100	100
Total PAHs	ug/kg-Wet	1	1	100	300 T	300 T	300	300 T	300 T	300 T	300 T	300	300 T	300 T
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
PCB002	ug/kg-Wet	1	1	100	0.00199	0.00199	0.00199	0.00199	0.00199	0.00199	0.00199	0.00199	0.00199	0.00199
PCB003	ug/kg-Wet	1	1	100	0.00308	0.00308	0.00308	0.00308	0.00308	0.00308	0.00308	0.00308	0.00308	0.00308
PCB004	ug/kg-Wet	1	1	100	1.06 J	1.06 J	1.06	1.06 J	1.06 J	1.06 J	1.06 J	1.06	1.06 J	1.06 J
PCB005	ug/kg-Wet	1	1	100	0.00352 J	0.00352 J	0.00352	0.00352 J	0.00352 J	0.00352 J	0.00352 J	0.00352	0.00352 J	0.00352 J
PCB006	ug/kg-Wet	1	1	100	0.0791 J	0.0791 J	0.0791	0.0791 J	0.0791 J	0.0791 J	0.0791 J	0.0791	0.0791 J	0.0791 J
PCB007	ug/kg-Wet	1	1	100	0.00581 J	0.00581 J	0.00581	0.00581 J	0.00581 J	0.00581 J	0.00581 J	0.00581	0.00581 J	0.00581 J
PCB008	ug/kg-Wet	1	1	100	0.257 J	0.257 J	0.257	0.257 J	0.257 J	0.257 J	0.257 J	0.257	0.257 J	0.257 J
PCB009	ug/kg-Wet	1	1	100	0.00817 J	0.00817 J	0.00817	0.00817 J	0.00817 J	0.00817 J	0.00817 J	0.00817	0.00817 J	0.00817 J
PCB010	ug/kg-Wet	1	1	100	0.00728 J	0.00728 J	0.00728	0.00728 J	0.00728 J	0.00728 J	0.00728 J	0.00728	0.00728 J	0.00728 J
PCB011	ug/kg-Wet	1	1	100	0.474 J	0.474 J	0.474	0.474 J	0.474 J	0.474 J	0.474 J	0.474	0.474 J	0.474 J
PCB012 & 013	ug/kg-Wet	1	1	100	0.0265 J	0.0265 J	0.0265	0.0265 J	0.0265 J	0.0265 J	0.0265 J	0.0265	0.0265 J	0.0265 J
PCB014	ug/kg-Wet	1	0	0						0.000743 UJ	0.000743 UJ	0.000372	0.0003715 UJ	0.0003715 UJ
PCB015	ug/kg-Wet	1	1	100	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
PCB016	ug/kg-Wet	1	1	100	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
PCB017	ug/kg-Wet	1	1	100	0.825	0.825	0.825	0.825	0.825	0.825	0.825	0.825	0.825	0.825
PCB018 & 030	ug/kg-Wet	1	1	100	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
PCB019	ug/kg-Wet	1	1	100	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486
PCB020 & 028	ug/kg-Wet	1	1	100	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
PCB021 & 033	ug/kg-Wet	1	1	100	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477	0.477
PCB022	ug/kg-Wet	1	1	100	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
PCB023	ug/kg-Wet	1	1	100	0.000623	0.000623	0.000623	0.000623	0.000623	0.000623	0.000623	0.000623	0.000623	0.000623
PCB024	ug/kg-Wet	1	1	100	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519
PCB025	ug/kg-Wet	1	1	100	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
PCB026 & 029	ug/kg-Wet	1	1	100	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203
PCB027	ug/kg-Wet	1	1	100	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315
PCB031	ug/kg-Wet	1	1	100	0.938	0.938	0.938	0.938	0.938	0.938	0.938	0.938	0.938	0.938
PCB032	ug/kg-Wet	1	1	100	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
PCB034	ug/kg-Wet	1	1	100	0.00487	0.00487	0.00487	0.00487	0.00487	0.00487	0.00487	0.00487	0.00487	0.00487
PCB035	ug/kg-Wet	1	1	100	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229
PCB036	ug/kg-Wet	1	1	100	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241	0.00241
PCB037	ug/kg-Wet	1	1	100	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396	0.396
PCB038	ug/kg-Wet	1	1	100	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568	0.00568
PCB039	ug/kg-Wet	1	1	100	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39
PCB042	ug/kg-Wet	1	1	100	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
PCB043	ug/kg-Wet	1	1	100	0.0946	0.0946	0.0946	0.0946	0.0946	0.0946	0.0946	0.0946	0.0946	0.0946
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	9.24	9.24	9.24	9.24	9.24	9.24	9.24	9.24	9.24	9.24
PCB045 & 051	ug/kg-Wet	1	1	100	0.763	0.763	0.763	0.763	0.763	0.763	0.763	0.763	0.763	0.763
PCB046	ug/kg-Wet	1	1	100	0.0935	0.0935	0.0935	0.0935	0.0935	0.0935	0.0935	0.0935	0.0935	0.0935
PCB048	ug/kg-Wet	1	1	100	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903
PCB049 & 069	ug/kg-Wet	1	1	100	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53
PCB050 & 053	ug/kg-Wet	1	1	100	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
PCB052	ug/kg-Wet	1	1	100	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77
PCB054	ug/kg-Wet	1	1	100	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057
PCB055	ug/kg-Wet	1	1	100	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
PCB056	ug/kg-Wet	1	1	100	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
PCB057	ug/kg-Wet	1	1	100	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
PCB058	ug/kg-Wet	1	1	100	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
PCB060	ug/kg-Wet	1	1	100	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71
PCB063	ug/kg-Wet	1	1	100	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187
PCB064	ug/kg-Wet	1	1	100	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
PCB066	ug/kg-Wet	1	1	100	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53
PCB067	ug/kg-Wet	1	1	100	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143	0.143
PCB068	ug/kg-Wet	1	1	100	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376
PCB072	ug/kg-Wet	1	1	100	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425
PCB073	ug/kg-Wet	1	1	100	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157
PCB077	ug/kg-Wet	1	1	100	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383
PCB078	ug/kg-Wet	1	0	0						0.00146 U	0.00146 U	0.00073	0.00073 U	0.00073 U
PCB079	ug/kg-Wet	1	1	100	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
PCB080	ug/kg-Wet	1	0	0						0.0021 U	0.0021 U	0.00105	0.00105 U	0.00105 U
PCB081	ug/kg-Wet	1	1	100	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
PCB082	ug/kg-Wet	1	1	100	0.618	0.618	0.618	0.618	0.618	0.618	0.618	0.618	0.618	0.618
PCB083 & 099	ug/kg-Wet	1	1	100	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
PCB084	ug/kg-Wet	1	1	100	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96	5.96
PCB088 & 091	ug/kg-Wet	1	1	100	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
PCB089	ug/kg-Wet	1	1	100	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845	0.0845
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
PCB092	ug/kg-Wet	1	1	100	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	7.17	7.17	7.17	7.17	7.17	7.17	7.17	7.17	7.17	7.17
PCB094	ug/kg-Wet	1	1	100	0.0836	0.0836	0.0836	0.0836	0.0836	0.0836	0.0836	0.0836	0.0836	0.0836
PCB096	ug/kg-Wet	1	1	100	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508
PCB103	ug/kg-Wet	1	1	100	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139	0.139
PCB104	ug/kg-Wet	1	1	100	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209
PCB105	ug/kg-Wet	1	1	100	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
PCB106	ug/kg-Wet	1	0	0						0.000721 U	0.000721 U	0.000361	0.0003605 U	0.0003605 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218	0.218
PCB109	ug/kg-Wet	1	1	100	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473
PCB110 & 115	ug/kg-Wet	1	1	100	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31
PCB111	ug/kg-Wet	1	1	100	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
PCB112	ug/kg-Wet	1	0	0						0.000631 U	0.000631 U	0.000316	0.0003155 U	0.0003155 U
PCB114	ug/kg-Wet	1	1	100	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156	0.156
PCB118	ug/kg-Wet	1	1	100	9.51	9.51	9.51	9.51	9.51	9.51	9.51	9.51	9.51	9.51
PCB120	ug/kg-Wet	1	1	100	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349
PCB121	ug/kg-Wet	1	1	100	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
PCB122	ug/kg-Wet	1	1	100	0.0767	0.0767	0.0767	0.0767	0.0767	0.0767	0.0767	0.0767	0.0767	0.0767
PCB123	ug/kg-Wet	1	1	100	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271	0.271
PCB126	ug/kg-Wet	1	1	100	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
PCB127	ug/kg-Wet	1	1	100	0.00362	0.00362	0.00362	0.00362	0.00362	0.00362	0.00362	0.00362	0.00362	0.00362
PCB128 & 166	ug/kg-Wet	1	1	100	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
PCB130	ug/kg-Wet	1	1	100	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461	0.461
PCB131	ug/kg-Wet	1	1	100	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971	0.0971
PCB132	ug/kg-Wet	1	1	100	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
PCB133	ug/kg-Wet	1	1	100	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
PCB134 & 143	ug/kg-Wet	1	1	100	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07
PCB136	ug/kg-Wet	1	1	100	0.774	0.774	0.774	0.774	0.774	0.774	0.774	0.774	0.774	0.774
PCB137	ug/kg-Wet	1	1	100	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
PCB139 & 140	ug/kg-Wet	1	1	100	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
PCB141	ug/kg-Wet	1	1	100	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
PCB142	ug/kg-Wet	1	0	0						0.000592 U	0.000592 U	0.000296	0.000296 U	0.000296 U
PCB144	ug/kg-Wet	1	1	100	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
PCB145	ug/kg-Wet	1	1	100	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
PCB146	ug/kg-Wet	1	1	100	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
PCB147 & 149	ug/kg-Wet	1	1	100	5.77	5.77	5.77	5.77	5.77	5.77	5.77	5.77	5.77	5.77
PCB148	ug/kg-Wet	1	1	100	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461
PCB150	ug/kg-Wet	1	1	100	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314
PCB152	ug/kg-Wet	1	1	100	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184
PCB153 & 168	ug/kg-Wet	1	1	100	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
PCB155	ug/kg-Wet	1	1	100	0.00651	0.00651	0.00651	0.00651	0.00651	0.00651	0.00651	0.00651	0.00651	0.00651
PCB156 & 157	ug/kg-Wet	1	1	100	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522
PCB158	ug/kg-Wet	1	1	100	0.695	0.695	0.695	0.695	0.695	0.695	0.695	0.695	0.695	0.695
PCB159	ug/kg-Wet	1	1	100	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
PCB161	ug/kg-Wet	1	0	0						0.000669 U	0.000669 U	0.000335	0.0003345 U	0.0003345 U
PCB162	ug/kg-Wet	1	1	100	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136
PCB164	ug/kg-Wet	1	1	100	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307	0.307
PCB165	ug/kg-Wet	1	1	100	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
PCB167	ug/kg-Wet	1	1	100	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627
PCB169	ug/kg-Wet	1	0	0						0.00237 U	0.00237 U	0.00119	0.001185 U	0.001185 U
PCB170	ug/kg-Wet	1	1	100	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346
PCB171 & 173	ug/kg-Wet	1	1	100	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582	0.582
PCB172	ug/kg-Wet	1	1	100	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473
PCB174	ug/kg-Wet	1	1	100	0.433	0.433	0.433	0.433	0.433	0.433	0.433	0.433	0.433	0.433
PCB175	ug/kg-Wet	1	1	100	0.0922	0.0922	0.0922	0.0922	0.0922	0.0922	0.0922	0.0922	0.0922	0.0922
PCB176	ug/kg-Wet	1	1	100	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
PCB177	ug/kg-Wet	1	1	100	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
PCB178	ug/kg-Wet	1	1	100	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654
PCB179	ug/kg-Wet	1	1	100	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
PCB180 & 193	ug/kg-Wet	1	1	100	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
PCB181	ug/kg-Wet	1	1	100	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115
PCB182	ug/kg-Wet	1	1	100	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396
PCB183 & 185	ug/kg-Wet	1	1	100	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
PCB184	ug/kg-Wet	1	1	100	0.00348	0.00348	0.00348	0.00348	0.00348	0.00348	0.00348	0.00348	0.00348	0.00348
PCB186	ug/kg-Wet	1	0	0						0.000199 U	0.000199 U	0.0000995	0.0000995 U	0.0000995 U
PCB187	ug/kg-Wet	1	1	100	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
PCB188	ug/kg-Wet	1	1	100	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102
PCB189	ug/kg-Wet	1	1	100	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
PCB190	ug/kg-Wet	1	1	100	0.325	0.325	0.325	0.325	0.325	0.325	0.325	0.325	0.325	0.325

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB191	ug/kg-Wet	1	1	100	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489
PCB192	ug/kg-Wet	1	0	0						0.00148 U	0.00148 U	0.00074	0.00074 U	0.00074 U
PCB194	ug/kg-Wet	1	1	100	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418
PCB195	ug/kg-Wet	1	1	100	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
PCB196	ug/kg-Wet	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
PCB197 & 200	ug/kg-Wet	1	1	100	0.0691	0.0691	0.0691	0.0691	0.0691	0.0691	0.0691	0.0691	0.0691	0.0691
PCB198 & 199	ug/kg-Wet	1	1	100	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214	0.214
PCB201	ug/kg-Wet	1	1	100	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
PCB202	ug/kg-Wet	1	1	100	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
PCB203	ug/kg-Wet	1	1	100	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
PCB204	ug/kg-Wet	1	1	100	0.000331 J	0.000331 J	0.000331	0.000331 J	0.000331 J	0.000331 J	0.000331 J	0.000331	0.000331 J	0.000331 J
PCB205	ug/kg-Wet	1	1	100	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258
PCB206	ug/kg-Wet	1	1	100	0.0627	0.0627	0.0627	0.0627	0.0627	0.0627	0.0627	0.0627	0.0627	0.0627
PCB207	ug/kg-Wet	1	1	100	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
PCB208	ug/kg-Wet	1	1	100	0.0304	0.0304	0.0304	0.0304	0.0304	0.0304	0.0304	0.0304	0.0304	0.0304
PCB209	ug/kg-Wet	1	1	100	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301
Total PCB Congeners	ug/kg-Wet	1	1	100	157	157	157	157	157	157	157	157	157	157
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	43	43	43	43	43	43	43	43	43	43
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	7.81	7.81	7.81	7.81	7.81	7.81	7.81	7.81	7.81	7.81
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
2,4'-DDE	ug/kg-Wet	1	1	100	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385	0.385
2,4'-DDT	ug/kg-Wet	1	1	100	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449
4,4'-DDD	ug/kg-Wet	1	1	100	7.35	7.35	7.35	7.35	7.35	7.35	7.35	7.35	7.35	7.35
4,4'-DDE	ug/kg-Wet	1	1	100	12	12	12	12	12	12	12	12	12	12
4,4'-DDT	ug/kg-Wet	1	1	100	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Aldrin	ug/kg-Wet	1	1	100	0.171 J	0.171 J	0.171	0.171 J	0.171 J	0.171 J	0.171 J	0.171	0.171 J	0.171 J
alpha-Endosulfan	ug/kg-Wet	1	1	100	0.121 J	0.121 J	0.121	0.121 J	0.121 J	0.121 J	0.121 J	0.121	0.121 J	0.121 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0109 U	0.0109 U	0.00545	0.00545 U	0.00545 U
beta-Endosulfan	ug/kg-Wet	1	1	100	0.147 J	0.147 J	0.147	0.147 J	0.147 J	0.147 J	0.147 J	0.147	0.147 J	0.147 J
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0418 U	0.0418 U	0.0209	0.0209 U	0.0209 U
Chlordane (cis & trans)	ug/kg-Wet	1	1	100	1.32 T	1.32 T	1.32	1.32 T	1.32 T	1.32 T	1.32 T	1.32	1.32 T	1.32 T
cis-Chlordane	ug/kg-Wet	1	1	100	0.759	0.759	0.759	0.759	0.759	0.759	0.759	0.759	0.759	0.759
cis-Nonachlor	ug/kg-Wet	1	1	100	0.379 J	0.379 J	0.379	0.379 J	0.379 J	0.379 J	0.379 J	0.379	0.379 J	0.379 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.00164 U	0.00164 U	0.00082	0.00082 U	0.00082 U
Dieldrin	ug/kg-Wet	1	1	100	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697	0.697
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.567	0.567	0.567	0.567	0.567	0.567	0.567	0.567	0.567	0.567
Endrin aldehyde	ug/kg-Wet	1	0	0						0.0191 U	0.0191 U	0.00955	0.00955 U	0.00955 U
Endrin ketone	ug/kg-Wet	1	0	0						0.00156 U	0.00156 U	0.00078	0.00078 U	0.00078 U
Endrin	ug/kg-Wet	1	1	100	0.00815 J	0.00815 J	0.00815	0.00815 J	0.00815 J	0.00815 J	0.00815 J	0.00815	0.00815 J	0.00815 J
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.0661 J	0.0661 J	0.0661	0.0661 J	0.0661 J	0.0661 J	0.0661 J	0.0661	0.0661 J	0.0661 J
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.0538 J	0.0538 J	0.0538	0.0538 J	0.0538 J	0.0538 J	0.0538 J	0.0538	0.0538 J	0.0538 J
Heptachlor	ug/kg-Wet	1	1	100	0.0076 J	0.0076 J	0.0076	0.0076 J	0.0076 J	0.0076 J	0.0076 J	0.0076	0.0076 J	0.0076 J
Methoxychlor	ug/kg-Wet	1	0	0						0.0114 U	0.0114 U	0.0057	0.0057 U	0.0057 U
Oxychlordane	ug/kg-Wet	1	1	100	0.057 J	0.057 J	0.057	0.057 J	0.057 J	0.057 J	0.057 J	0.057	0.057 J	0.057 J
Total Chlordanes	ug/kg-Wet	1	1	100	2.8 JT	2.8 JT	2.8	2.8 JT	2.8 JT	2.8 JT	2.8 JT	2.8	2.8 JT	2.8 JT
Total Endosulfan	ug/kg-Wet	1	1	100	0.835 JT	0.835 JT	0.835	0.835 JT	0.835 JT	0.835 JT	0.835 JT	0.835	0.835 JT	0.835 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	23.5 T	23.5 T	23.5	23.5 T	23.5 T	23.5 T	23.5 T	23.5	23.5 T	23.5 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	9.49 T	9.49 T	9.49	9.49 T	9.49 T	9.49 T	9.49 T	9.49	9.49 T	9.49 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	12.4 T	12.4 T	12.4	12.4 T	12.4 T	12.4 T	12.4 T	12.4	12.4 T	12.4 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	1.61 T	1.61 T	1.61	1.61 T	1.61 T	1.61 T	1.61 T	1.61	1.61 T	1.61 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	20.5 T	20.5 T	20.5	20.5 T	20.5 T	20.5 T	20.5 T	20.5	20.5 T	20.5 T
trans-Chlordane	ug/kg-Wet	1	1	100	0.565	0.565	0.565	0.565	0.565	0.565	0.565	0.565	0.565	0.565
trans-Nonachlor	ug/kg-Wet	1	1	100	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
4-Methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
Phenol	ug/kg-Wet	1	0	0						17 U	17 U	8.5	8.5 U	8.5 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						16 U	16 U	8	8 U	8 U
Diethyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 UJ	12 UJ	6	6 UJ	6 UJ
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 UJ	11 UJ	5.5	5.5 UJ	5.5 UJ
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 UJ	11 UJ	5.5	5.5 UJ	5.5 UJ
Benzyl alcohol	ug/kg-Wet	1	1	100	9.3 J	9.3 J	9.3	9.3 J	9.3 J	9.3 J	9.3 J	9.3	9.3 J	9.3 J
Dibenzofuran	ug/kg-Wet	1	0	0						0.071 U	0.071 U	0.0355	0.0355 U	0.0355 U
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494	0.494
Hexachlorobutadiene	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
Lab-exposed clam/Whole body without shell)														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.00103 U	0.00103 U	0.000515	0.000515 U	0.000515 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000535 U	0.000535 U	0.000268	0.0002675 U	0.0002675 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000444 U	0.000444 U	0.000222	0.000222 U	0.000222 U
Aroclor 1242	ug/kg-Wet	1	1	100	11.4 NJ	11.4 NJ	11.4	11.4 NJ	11.4 NJ	11.4 NJ	11.4 NJ	11.4	11.4 NJ	11.4 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.00704 U	0.00704 U	0.00352	0.00352 U	0.00352 U
Aroclor 1254	ug/kg-Wet	1	1	100	10.2 NJ	10.2 NJ	10.2	10.2 NJ	10.2 NJ	10.2 NJ	10.2 NJ	10.2	10.2 NJ	10.2 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	3.3 NJ	3.3 NJ	3.3	3.3 NJ	3.3 NJ	3.3 NJ	3.3 NJ	3.3	3.3 NJ	3.3 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	24.9 JT	24.9 JT	24.9	24.9 JT	24.9 JT	24.9 JT	24.9 JT	24.9	24.9 JT	24.9 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	0	0						0.061 U	0.061 U	0.0305	0.0305 U	0.0305 U
Dibutyltin ion	ug/kg-Wet	1	0	0						0.49 U	0.49 U	0.245	0.245 U	0.245 U
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	0	0						1.4 U	1.4 U	0.7	0.7 U	0.7 U
Conventionals														
Lipids	percent-Wet	1	1	100	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769
Total solids	percent-Wet	1	1	100	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	1	100	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378
Octachlorodibenzofuran	pg/g-Wet	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	0	0						0.117 U	0.117 U	0.0585	0.0585 U	0.0585 U
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.142 U	0.142 U	0.071	0.071 U	0.071 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.352 U	0.352 U	0.176	0.176 U	0.176 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.088 U	0.088 U	0.044	0.044 U	0.044 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.09 J	0.09 J	0.09	0.09 J	0.09 J	0.09 J	0.09 J	0.09	0.09 J	0.09 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.071 U	0.071 U	0.0355	0.0355 U	0.0355 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.07 U	0.07 U	0.035	0.035 U	0.035 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.145 J	0.145 J	0.145	0.145 J	0.145 J	0.145 J	0.145 J	0.145	0.145 J	0.145 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.069 J	0.069 J	0.069	0.069 J	0.069 J	0.069 J	0.069 J	0.069	0.069 J	0.069 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.095 J	0.095 J	0.095	0.095 J	0.095 J	0.095 J	0.095 J	0.095	0.095 J	0.095 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.073 U	0.073 U	0.0365	0.0365 U	0.0365 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.081 U	0.081 U	0.0405	0.0405 U	0.0405 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.117 U	0.117 U	0.0585	0.0585 U	0.0585 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	0	0						0.305 U	0.305 U	0.153	0.1525 U	0.1525 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.065 U	0.065 U	0.0325	0.0325 U	0.0325 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.0402 T	0.0402 T	0.0402	0.0402 T	0.0402 T	0.0402 T	0.0402 T	0.0402	0.0402 T	0.0402 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.315 T	0.315 T	0.315	0.315 T	0.315 T	0.315 T	0.315 T	0.315	0.315 T	0.315 T
Total PCDD/F	pg/g-Wet	1	1	100	6.32 T	6.32 T	6.32	6.32 T	6.32 T	6.32 T	6.32 T	6.32	6.32 T	6.32 T
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.355 T	0.355 T	0.355	0.355 T	0.355 T	0.355 T	0.355 T	0.355	0.355 T	0.355 T
Metals														
Aluminum	mg/kg-Wet	1	1	100	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
Antimony	mg/kg-Wet	1	0	0						0.0007 U	0.0007 U	0.00035	0.00035 U	0.00035 U
Arsenic	mg/kg-Wet	1	1	100	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458	0.458
Cadmium	mg/kg-Wet	1	1	100	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
Chromium	mg/kg-Wet	1	1	100	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Copper	mg/kg-Wet	1	1	100	3.93 J	3.93 J	3.93	3.93 J	3.93 J	3.93 J	3.93 J	3.93	3.93 J	3.93 J
Lead	mg/kg-Wet	1	1	100	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
Mercury	mg/kg-Wet	1	1	100	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
Nickel	mg/kg-Wet	1	1	100	0.14 J	0.14 J	0.14	0.14 J	0.14 J	0.14 J	0.14 J	0.14	0.14 J	0.14 J
Selenium	mg/kg-Wet	1	1	100	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
Silver	mg/kg-Wet	1	1	100	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124
Zinc	mg/kg-Wet	1	1	100	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Acenaphthene	ug/kg-Wet	1	1	100	0.33 J	0.33 J	0.33	0.33 J	0.33 J	0.33 J	0.33 J	0.33	0.33 J	0.33 J
Acenaphthylene	ug/kg-Wet	1	1	100	0.44 J	0.44 J	0.44	0.44 J	0.44 J	0.44 J	0.44 J	0.44	0.44 J	0.44 J

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Anthracene	ug/kg-Wet	1	1	100	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Benzo(a)anthracene	ug/kg-Wet	1	1	100	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Benzo(a)pyrene	ug/kg-Wet	1	1	100	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Benzo(b)fluoranthene	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	0.22 J	0.22 J	0.22	0.22 J	0.22 J	0.22 J	0.22 J	0.22	0.22 J	0.22 J
Benzo(k)fluoranthene	ug/kg-Wet	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
Chrysene	ug/kg-Wet	1	1	100	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dibenzo(a,h)anthracene	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Fluoranthene	ug/kg-Wet	1	1	100	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Fluorene	ug/kg-Wet	1	1	100	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
High Molecular Weight PAH	ug/kg-Wet	1	1	100	20 JT	20 JT	20	20 JT	20 JT	20 JT	20 JT	20	20 JT	20 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	8.44 JT	8.44 JT	8.44	8.44 JT	8.44 JT	8.44 JT	8.44 JT	8.44	8.44 JT	8.44 JT
Naphthalene	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Phenanthrene	ug/kg-Wet	1	1	100	5	5	5	5	5	5	5	5	5	5
Pyrene	ug/kg-Wet	1	1	100	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Total PAHs	ug/kg-Wet	1	1	100	28.5 JT	28.5 JT	28.5	28.5 JT	28.5 JT	28.5 JT	28.5 JT	28.5	28.5 JT	28.5 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148	0.148
PCB002	ug/kg-Wet	1	1	100	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
PCB003	ug/kg-Wet	1	1	100	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048
PCB004	ug/kg-Wet	1	1	100	0.803	0.803	0.803	0.803	0.803	0.803	0.803	0.803	0.803	0.803
PCB005	ug/kg-Wet	1	1	100	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
PCB006	ug/kg-Wet	1	1	100	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312	0.312
PCB007	ug/kg-Wet	1	1	100	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
PCB008	ug/kg-Wet	1	1	100	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
PCB009	ug/kg-Wet	1	1	100	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863
PCB010	ug/kg-Wet	1	1	100	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306
PCB011	ug/kg-Wet	1	1	100	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269
PCB012 & 013	ug/kg-Wet	1	1	100	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604
PCB014	ug/kg-Wet	1	0	0						0.000758 U	0.000758 U	0.000379	0.000379 U	0.000379 U
PCB015	ug/kg-Wet	1	1	100	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411
PCB016	ug/kg-Wet	1	1	100	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
PCB017	ug/kg-Wet	1	1	100	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424
PCB018 & 030	ug/kg-Wet	1	1	100	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713	0.713
PCB019	ug/kg-Wet	1	1	100	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104
PCB020 & 028	ug/kg-Wet	1	1	100	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805	0.805
PCB021 & 033	ug/kg-Wet	1	1	100	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308
PCB022	ug/kg-Wet	1	1	100	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245
PCB023	ug/kg-Wet	1	1	100	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097	0.00097
PCB024	ug/kg-Wet	1	1	100	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102
PCB025	ug/kg-Wet	1	1	100	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
PCB026 & 029	ug/kg-Wet	1	1	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
PCB027	ug/kg-Wet	1	1	100	0.0655	0.0655	0.0655	0.0655	0.0655	0.0655	0.0655	0.0655	0.0655	0.0655
PCB031	ug/kg-Wet	1	1	100	0.581	0.581	0.581	0.581	0.581	0.581	0.581	0.581	0.581	0.581
PCB032	ug/kg-Wet	1	1	100	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
PCB034	ug/kg-Wet	1	1	100	0.00334	0.00334	0.00334	0.00334	0.00334	0.00334	0.00334	0.00334	0.00334	0.00334
PCB035	ug/kg-Wet	1	1	100	0.00808	0.00808	0.00808	0.00808	0.00808	0.00808	0.00808	0.00808	0.00808	0.00808
PCB036	ug/kg-Wet	1	1	100	0.00167	0.00167	0.00167	0.00167	0.00167	0.00167	0.00167	0.00167	0.00167	0.00167
PCB037	ug/kg-Wet	1	1	100	0.0869	0.0869	0.0869	0.0869	0.0869	0.0869	0.0869	0.0869	0.0869	0.0869
PCB038	ug/kg-Wet	1	0	0						0.000512 U	0.000512 U	0.000256	0.000256 U	0.000256 U
PCB039	ug/kg-Wet	1	0	0						0.00058 U	0.00058 U	0.00029	0.00029 U	0.00029 U
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
PCB042	ug/kg-Wet	1	1	100	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
PCB043	ug/kg-Wet	1	1	100	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	0.894	0.894	0.894	0.894	0.894	0.894	0.894	0.894	0.894	0.894
PCB045 & 051	ug/kg-Wet	1	1	100	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
PCB046	ug/kg-Wet	1	1	100	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PCB048	ug/kg-Wet	1	1	100	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122
PCB049 & 069	ug/kg-Wet	1	1	100	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415
PCB050 & 053	ug/kg-Wet	1	1	100	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131
PCB052	ug/kg-Wet	1	1	100	0.657	0.657	0.657	0.657	0.657	0.657	0.657	0.657	0.657	0.657
PCB054	ug/kg-Wet	1	1	100	0.00489	0.00489	0.00489	0.00489	0.00489	0.00489	0.00489	0.00489	0.00489	0.00489
PCB055	ug/kg-Wet	1	0	0						0.00196 U	0.00196 U	0.00098	0.00098 U	0.00098 U
PCB056	ug/kg-Wet	1	1	100	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
PCB057	ug/kg-Wet	1	1	100	0.00153	0.00153	0.00153	0.00153	0.00153	0.00153	0.00153	0.00153	0.00153	0.00153
PCB058	ug/kg-Wet	1	1	100	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669	0.0669
PCB060	ug/kg-Wet	1	1	100	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	0.847	0.847	0.847	0.847	0.847	0.847	0.847	0.847	0.847	0.847
PCB063	ug/kg-Wet	1	1	100	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229
PCB064	ug/kg-Wet	1	1	100	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
PCB066	ug/kg-Wet	1	1	100	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596
PCB067	ug/kg-Wet	1	1	100	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148
PCB068	ug/kg-Wet	1	0	0						0.00384 U	0.00384 U	0.00192	0.00192 U	0.00192 U
PCB072	ug/kg-Wet	1	1	100	0.00541	0.00541	0.00541	0.00541	0.00541	0.00541	0.00541	0.00541	0.00541	0.00541

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB073	ug/kg-Wet	1	0	0						0.00168 U	0.00168 U	0.00084	0.00084 U	0.00084 U
PCB077	ug/kg-Wet	1	1	100	0.0492	0.0492	0.0492	0.0492	0.0492	0.0492	0.0492	0.0492	0.0492	0.0492
PCB078	ug/kg-Wet	1	0	0						0.00127 U	0.00127 U	0.000635	0.000635 U	0.000635 U
PCB079	ug/kg-Wet	1	1	100	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206
PCB080	ug/kg-Wet	1	0	0						0.00214 U	0.00214 U	0.00107	0.00107 U	0.00107 U
PCB081	ug/kg-Wet	1	1	100	0.00202	0.00202	0.00202	0.00202	0.00202	0.00202	0.00202	0.00202	0.00202	0.00202
PCB082	ug/kg-Wet	1	1	100	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
PCB083 & 099	ug/kg-Wet	1	1	100	0.574	0.574	0.574	0.574	0.574	0.574	0.574	0.574	0.574	0.574
PCB084	ug/kg-Wet	1	1	100	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705	0.705
PCB088 & 091	ug/kg-Wet	1	1	100	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
PCB089	ug/kg-Wet	1	1	100	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PCB092	ug/kg-Wet	1	1	100	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661
PCB094	ug/kg-Wet	1	1	100	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519	0.00519
PCB096	ug/kg-Wet	1	1	100	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577
PCB103	ug/kg-Wet	1	1	100	0.00664	0.00664	0.00664	0.00664	0.00664	0.00664	0.00664	0.00664	0.00664	0.00664
PCB104	ug/kg-Wet	1	1	100	0.000446 J	0.000446 J	0.000446	0.000446 J	0.000446 J	0.000446 J	0.000446 J	0.000446	0.000446 J	0.000446 J
PCB105	ug/kg-Wet	1	1	100	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388
PCB106	ug/kg-Wet	1	0	0						0.00235 U	0.00235 U	0.00118	0.001175 U	0.001175 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345
PCB109	ug/kg-Wet	1	1	100	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
PCB110 & 115	ug/kg-Wet	1	1	100	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872
PCB111	ug/kg-Wet	1	0	0						0.000551 U	0.000551 U	0.000276	0.0002755 U	0.0002755 U
PCB112	ug/kg-Wet	1	0	0						0.000644 U	0.000644 U	0.000322	0.000322 U	0.000322 U
PCB114	ug/kg-Wet	1	1	100	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201
PCB118	ug/kg-Wet	1	1	100	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
PCB120	ug/kg-Wet	1	1	100	0.00528	0.00528	0.00528	0.00528	0.00528	0.00528	0.00528	0.00528	0.00528	0.00528
PCB121	ug/kg-Wet	1	0	0						0.00035 U	0.00035 U	0.000175	0.000175 U	0.000175 U
PCB122	ug/kg-Wet	1	1	100	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108
PCB123	ug/kg-Wet	1	1	100	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433
PCB126	ug/kg-Wet	1	0	0						0.00318 U	0.00318 U	0.00159	0.00159 U	0.00159 U
PCB127	ug/kg-Wet	1	0	0						0.0025 U	0.0025 U	0.00125	0.00125 U	0.00125 U
PCB128 & 166	ug/kg-Wet	1	1	100	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174	0.174
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
PCB130	ug/kg-Wet	1	1	100	0.0786	0.0786	0.0786	0.0786	0.0786	0.0786	0.0786	0.0786	0.0786	0.0786
PCB131	ug/kg-Wet	1	1	100	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112
PCB132	ug/kg-Wet	1	1	100	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188	0.188
PCB133	ug/kg-Wet	1	1	100	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
PCB134 & 143	ug/kg-Wet	1	1	100	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264	0.264
PCB136	ug/kg-Wet	1	1	100	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
PCB137	ug/kg-Wet	1	1	100	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553
PCB139 & 140	ug/kg-Wet	1	1	100	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173
PCB141	ug/kg-Wet	1	1	100	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472
PCB142	ug/kg-Wet	1	0	0						0.00111 U	0.00111 U	0.000555	0.000555 U	0.000555 U
PCB144	ug/kg-Wet	1	1	100	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306
PCB145	ug/kg-Wet	1	0	0						0.000345 U	0.000345 U	0.000173	0.0001725 U	0.0001725 U
PCB146	ug/kg-Wet	1	1	100	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281	0.281
PCB147 & 149	ug/kg-Wet	1	1	100	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
PCB148	ug/kg-Wet	1	0	0						0.00192 U	0.00192 U	0.00096	0.00096 U	0.00096 U
PCB150	ug/kg-Wet	1	1	100	0.00126	0.00126	0.00126	0.00126	0.00126	0.00126	0.00126	0.00126	0.00126	0.00126
PCB152	ug/kg-Wet	1	0	0						0.000855 U	0.000855 U	0.000428	0.0004275 U	0.0004275 U
PCB153 & 168	ug/kg-Wet	1	1	100	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
PCB155	ug/kg-Wet	1	0	0						0.000743 U	0.000743 U	0.000372	0.0003715 U	0.0003715 U
PCB156 & 157	ug/kg-Wet	1	1	100	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
PCB158	ug/kg-Wet	1	1	100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
PCB159	ug/kg-Wet	1	1	100	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174	0.00174
PCB161	ug/kg-Wet	1	0	0						0.000782 U	0.000782 U	0.000391	0.000391 U	0.000391 U
PCB162	ug/kg-Wet	1	1	100	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396	0.00396
PCB164	ug/kg-Wet	1	1	100	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505
PCB165	ug/kg-Wet	1	0	0						0.000877 U	0.000877 U	0.000439	0.0004385 U	0.0004385 U
PCB167	ug/kg-Wet	1	1	100	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192
PCB169	ug/kg-Wet	1	0	0						0.00171 U	0.00171 U	0.000855	0.000855 U	0.000855 U
PCB170	ug/kg-Wet	1	1	100	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325	0.0325
PCB171 & 173	ug/kg-Wet	1	1	100	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549
PCB172	ug/kg-Wet	1	1	100	0.00476	0.00476	0.00476	0.00476	0.00476	0.00476	0.00476	0.00476	0.00476	0.00476
PCB174	ug/kg-Wet	1	1	100	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398
PCB175	ug/kg-Wet	1	1	100	0.00793	0.00793	0.00793	0.00793	0.00793	0.00793	0.00793	0.00793	0.00793	0.00793
PCB176	ug/kg-Wet	1	1	100	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193
PCB177	ug/kg-Wet	1	1	100	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122
PCB178	ug/kg-Wet	1	1	100	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698
PCB179	ug/kg-Wet	1	1	100	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728
PCB180 & 193	ug/kg-Wet	1	1	100	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB181	ug/kg-Wet	1	1	100	0.00261	0.00261	0.00261	0.00261	0.00261	0.00261	0.00261	0.00261	0.00261	0.00261
PCB182	ug/kg-Wet	1	1	100	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134
PCB183 & 185	ug/kg-Wet	1	1	100	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
PCB184	ug/kg-Wet	1	1	100	0.000731	0.000731	0.000731	0.000731	0.000731	0.000731	0.000731	0.000731	0.000731	0.000731
PCB186	ug/kg-Wet	1	0	0						0.000651 U	0.000651 U	0.000326	0.0003255 U	0.0003255 U
PCB187	ug/kg-Wet	1	1	100	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399
PCB188	ug/kg-Wet	1	0	0						0.000812 U	0.000812 U	0.000406	0.000406 U	0.000406 U
PCB189	ug/kg-Wet	1	0	0						0.00135 U	0.00135 U	0.000675	0.000675 U	0.000675 U
PCB190	ug/kg-Wet	1	1	100	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513
PCB191	ug/kg-Wet	1	1	100	0.00553	0.00553	0.00553	0.00553	0.00553	0.00553	0.00553	0.00553	0.00553	0.00553
PCB192	ug/kg-Wet	1	0	0						0.00151 U	0.00151 U	0.000755	0.000755 U	0.000755 U
PCB194	ug/kg-Wet	1	1	100	0.00507	0.00507	0.00507	0.00507	0.00507	0.00507	0.00507	0.00507	0.00507	0.00507
PCB195	ug/kg-Wet	1	1	100	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222
PCB196	ug/kg-Wet	1	1	100	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156
PCB197 & 200	ug/kg-Wet	1	1	100	0.00902	0.00902	0.00902	0.00902	0.00902	0.00902	0.00902	0.00902	0.00902	0.00902
PCB198 & 199	ug/kg-Wet	1	1	100	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
PCB201	ug/kg-Wet	1	1	100	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208
PCB202	ug/kg-Wet	1	1	100	0.0799	0.0799	0.0799	0.0799	0.0799	0.0799	0.0799	0.0799	0.0799	0.0799
PCB203	ug/kg-Wet	1	1	100	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
PCB204	ug/kg-Wet	1	1	100	0.00015 J	0.00015 J	0.00015	0.00015 J	0.00015 J	0.00015 J	0.00015 J	0.00015	0.00015 J	0.00015 J
PCB205	ug/kg-Wet	1	1	100	0.00441	0.00441	0.00441	0.00441	0.00441	0.00441	0.00441	0.00441	0.00441	0.00441
PCB206	ug/kg-Wet	1	1	100	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623
PCB207	ug/kg-Wet	1	1	100	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101
PCB208	ug/kg-Wet	1	1	100	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441
PCB209	ug/kg-Wet	1	1	100	0.0747	0.0747	0.0747	0.0747	0.0747	0.0747	0.0747	0.0747	0.0747	0.0747
Total PCB Congeners	ug/kg-Wet	1	1	100	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	8.54	8.54	8.54	8.54	8.54	8.54	8.54	8.54	8.54	8.54
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	6.81	6.81	6.81	6.81	6.81	6.81	6.81	6.81	6.81	6.81
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	4	4	4	4	4	4	4	4	4	4
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	0.171 J	0.171 J	0.171	0.171 J	0.171 J	0.171 J	0.171 J	0.171	0.171 J	0.171 J
2,4'-DDE	ug/kg-Wet	1	0	0						0.0348 U	0.0348 U	0.0174	0.0174 U	0.0174 U
2,4'-DDT	ug/kg-Wet	1	0	0						0.0211 U	0.0211 U	0.0106	0.01055 U	0.01055 U
4,4'-DDD	ug/kg-Wet	1	1	100	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595
4,4'-DDE	ug/kg-Wet	1	1	100	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
4,4'-DDT	ug/kg-Wet	1	1	100	0.0945 J	0.0945 J	0.0945	0.0945 J	0.0945 J	0.0945 J	0.0945 J	0.0945	0.0945 J	0.0945 J
Aldrin	ug/kg-Wet	1	1	100	0.0189 J	0.0189 J	0.0189	0.0189 J	0.0189 J	0.0189 J	0.0189 J	0.0189	0.0189 J	0.0189 J
alpha-Endosulfan	ug/kg-Wet	1	0	0						0.0239 U	0.0239 U	0.012	0.01195 U	0.01195 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.00951 U	0.00951 U	0.00476	0.004755 U	0.004755 U
beta-Endosulfan	ug/kg-Wet	1	0	0						0.0616 U	0.0616 U	0.0308	0.0308 U	0.0308 U
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0415 U	0.0415 U	0.0208	0.02075 U	0.02075 U
cis-Chlordane	ug/kg-Wet	1	1	100	0.569	0.569	0.569	0.569	0.569	0.569	0.569	0.569	0.569	0.569
cis-Nonachlor	ug/kg-Wet	1	1	100	0.342 J	0.342 J	0.342	0.342 J	0.342 J	0.342 J	0.342 J	0.342	0.342 J	0.342 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.001 U	0.001 U	0.0005	0.0005 U	0.0005 U
Dieldrin	ug/kg-Wet	1	1	100	0.16 J	0.16 J	0.16	0.16 J	0.16 J	0.16 J	0.16 J	0.16	0.16 J	0.16 J
Endosulfan sulfate	ug/kg-Wet	1	0	0						0.029 U	0.029 U	0.0145	0.0145 U	0.0145 U
Endrin aldehyde	ug/kg-Wet	1	0	0						0.0191 U	0.0191 U	0.00955	0.00955 U	0.00955 U
Endrin ketone	ug/kg-Wet	1	0	0						0.0398 U	0.0398 U	0.0199	0.0199 U	0.0199 U
Endrin	ug/kg-Wet	1	0	0						0.0255 U	0.0255 U	0.0128	0.01275 U	0.01275 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0502 U	0.0502 U	0.0251	0.0251 U	0.0251 U
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.023 J	0.023 J	0.023	0.023 J	0.023 J	0.023 J	0.023 J	0.023	0.023 J	0.023 J
Heptachlor	ug/kg-Wet	1	1	100	0.0211 J	0.0211 J	0.0211	0.0211 J	0.0211 J	0.0211 J	0.0211 J	0.0211	0.0211 J	0.0211 J
Methoxychlor	ug/kg-Wet	1	0	0						0.0191 U	0.0191 U	0.00955	0.00955 U	0.00955 U
Oxychlordane	ug/kg-Wet	1	0	0						0.0451 U	0.0451 U	0.0226	0.02255 U	0.02255 U
Total Chlordanes	ug/kg-Wet	1	1	100	2.13 JT	2.13 JT	2.13	2.13 JT	2.13 JT	2.13 JT	2.13 JT	2.13	2.13 JT	2.13 JT
Total Endosulfan	ug/kg-Wet	1	0	0						0.0616 UT	0.0616 UT	0.0308	0.0308 UT	0.0308 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	1.63 JT	1.63 JT	1.63	1.63 JT	1.63 JT	1.63 JT	1.63 JT	1.63	1.63 JT	1.63 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	0.766 JT	0.766 JT	0.766	0.766 JT	0.766 JT	0.766 JT	0.766 JT	0.766	0.766 JT	0.766 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	0.77 T	0.77 T	0.77	0.77 T	0.77 T	0.77 T	0.77 T	0.77	0.77 T	0.77 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	0.0945 JT	0.0945 JT	0.0945	0.0945 JT	0.0945 JT	0.0945 JT	0.0945 JT	0.0945	0.0945 JT	0.0945 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	1.46 JT	1.46 JT	1.46	1.46 JT	1.46 JT	1.46 JT	1.46 JT	1.46	1.46 JT	1.46 JT
trans-Chlordane	ug/kg-Wet	1	1	100	0.337 J	0.337 J	0.337	0.337 J	0.337 J	0.337 J	0.337 J	0.337	0.337 J	0.337 J
trans-Nonachlor	ug/kg-Wet	1	1	100	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877	0.877
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
4-Methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
Pentachlorophenol	ug/kg-Wet	1	0	0						31 U	31 U	15.5	15.5 U	15.5 U
Phenol	ug/kg-Wet	1	0	0						17 U	17 U	8.5	8.5 U	8.5 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	100 J	100 J	100	100 J	100 J	100 J	100 J	100	100 J	100 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						200 U	200 U	100	100 U	100 U
Diethyl phthalate	ug/kg-Wet	1	0	0						9.4 U	9.4 U	4.7	4.7 U	4.7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Benzyl alcohol	ug/kg-Wet	1	1	100	12 J	12 J	12	12 J	12 J	12 J	12 J	12	12 J	12 J
Dibenzofuran	ug/kg-Wet	1	1	100	0.37 J	0.37 J	0.37	0.37 J	0.37 J	0.37 J	0.37 J	0.37	0.37 J	0.37 J
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.0377 J	0.0377 J	0.0377	0.0377 J	0.0377 J	0.0377 J	0.0377 J	0.0377	0.0377 J	0.0377 J
Hexachlorobutadiene	ug/kg-Wet	1	1	100	0.00423 J	0.00423 J	0.00423	0.00423 J	0.00423 J	0.00423 J	0.00423 J	0.00423	0.00423 J	0.00423 J
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
MULTNOMAH CHANNEL														
Field-collected clam/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.000838 U	0.000838 U	0.000419	0.000419 U	0.000419 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000435 U	0.000435 U	0.000218	0.0002175 U	0.0002175 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000962 U	0.000962 U	0.000481	0.000481 U	0.000481 U
Aroclor 1242	ug/kg-Wet	1	1	100	3.06 NJ	3.06 NJ	3.06	3.06 NJ	3.06 NJ	3.06 NJ	3.06 NJ	3.06	3.06 NJ	3.06 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.00327 U	0.00327 U	0.00164	0.001635 U	0.001635 U
Aroclor 1254	ug/kg-Wet	1	1	100	28.2 NJ	28.2 NJ	28.2	28.2 NJ	28.2 NJ	28.2 NJ	28.2 NJ	28.2	28.2 NJ	28.2 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	17.3 NJ	17.3 NJ	17.3	17.3 NJ	17.3 NJ	17.3 NJ	17.3 NJ	17.3	17.3 NJ	17.3 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	48.6 JT	48.6 JT	48.6	48.6 JT	48.6 JT	48.6 JT	48.6 JT	48.6	48.6 JT	48.6 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	1	100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Dibutyltin ion	ug/kg-Wet	1	1	100	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	1	100	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Conventionals														
Lipids	percent-Wet	1	1	100	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
Total solids	percent-Wet	1	1	100	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Octachlorodibenzofuran	pg/g-Wet	1	0	0						0.55 U	0.55 U	0.275	0.275 U	0.275 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84	3.84
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	9.27	9.27	9.27	9.27	9.27	9.27	9.27	9.27	9.27	9.27
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.338 U	0.338 U	0.169	0.169 U	0.169 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.132 U	0.132 U	0.066	0.066 U	0.066 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.173 J	0.173 J	0.173	0.173 J	0.173 J	0.173 J	0.173 J	0.173	0.173 J	0.173 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.086 U	0.086 U	0.043	0.043 U	0.043 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.055 U	0.055 U	0.0275	0.0275 U	0.0275 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.375 J	0.375 J	0.375	0.375 J	0.375 J	0.375 J	0.375 J	0.375	0.375 J	0.375 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.133 U	0.133 U	0.0665	0.0665 U	0.0665 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.124 J	0.124 J	0.124	0.124 J	0.124 J	0.124 J	0.124 J	0.124	0.124 J	0.124 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	0.212 J	0.212 J	0.212	0.212 J	0.212 J	0.212 J	0.212 J	0.212	0.212 J	0.212 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.165 U	0.165 U	0.0825	0.0825 U	0.0825 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.085 U	0.085 U	0.0425	0.0425 U	0.0425 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.36 U	0.36 U	0.18	0.18 U	0.18 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	0	0						1.32 U	1.32 U	0.66	0.66 U	0.66 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.181 U	0.181 U	0.0905	0.0905 U	0.0905 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.0983 T	0.0983 T	0.0983	0.0983 T	0.0983 T	0.0983 T	0.0983 T	0.0983	0.0983 T	0.0983 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	1.02 T	1.02 T	1.02	1.02 T	1.02 T	1.02 T	1.02 T	1.02	1.02 T	1.02 T
Total PCDD/F	pg/g-Wet	1	1	100	39 T	39 T	39	39 T	39 T	39 T	39 T	39	39 T	39 T
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	1.11 T	1.11 T	1.11	1.11 T	1.11 T	1.11 T	1.11 T	1.11	1.11 T	1.11 T
Metals														
Aluminum	mg/kg-Wet	1	1	100	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
Antimony	mg/kg-Wet	1	0	0						0.001 U	0.001 U	0.0005	0.0005 U	0.0005 U
Arsenic	mg/kg-Wet	1	1	100	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Cadmium	mg/kg-Wet	1	1	100	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104
Chromium	mg/kg-Wet	1	1	100	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Copper	mg/kg-Wet	1	1	100	9.35	9.35	9.35	9.35	9.35	9.35	9.35	9.35	9.35	9.35
Lead	mg/kg-Wet	1	1	100	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Mercury	mg/kg-Wet	1	1	100	0.008 J	0.008 J	0.008	0.008 J	0.008 J	0.008 J	0.008 J	0.008	0.008 J	0.008 J
Nickel	mg/kg-Wet	1	1	100	0.257 J	0.257 J	0.257	0.257 J	0.257 J	0.257 J	0.257 J	0.257	0.257 J	0.257 J
Selenium	mg/kg-Wet	1	1	100	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
Silver	mg/kg-Wet	1	1	100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Zinc	mg/kg-Wet	1	1	100	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Acenaphthene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Acenaphthylene	ug/kg-Wet	1	1	100	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Anthracene	ug/kg-Wet	1	1	100	17	17	17	17	17	17	17	17	17	17
Benzo(a)anthracene	ug/kg-Wet	1	1	100	60	60	60	60	60	60	60	60	60	60
Benzo(a)pyrene	ug/kg-Wet	1	1	100	13	13	13	13	13	13	13	13	13	13
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	15	15	15	15	15	15	15	15	15	15
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Chrysene	ug/kg-Wet	1	1	100	61	61	61	61	61	61	61	61	61	61
Dibenzo(a,h)anthracene	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Fluoranthene	ug/kg-Wet	1	1	100	150	150	150	150	150	150	150	150	150	150
Fluorene	ug/kg-Wet	1	1	100	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
High Molecular Weight PAH	ug/kg-Wet	1	1	100	467 T	467 T	467	467 T	467 T	467 T	467 T	467	467 T	467 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	84.1 T	84.1 T	84.1	84.1 T	84.1 T	84.1 T	84.1 T	84.1	84.1 T	84.1 T
Naphthalene	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Phenanthrene	ug/kg-Wet	1	1	100	59	59	59	59	59	59	59	59	59	59
Pyrene	ug/kg-Wet	1	1	100	150	150	150	150	150	150	150	150	150	150
Total PAHs	ug/kg-Wet	1	1	100	551 T	551 T	551	551 T	551 T	551 T	551 T	551	551 T	551 T
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.00321 J	0.00321 J	0.00321	0.00321 J	0.00321 J	0.00321 J	0.00321 J	0.00321	0.00321 J	0.00321 J
PCB002	ug/kg-Wet	1	1	100	0.00115 J	0.00115 J	0.00115	0.00115 J	0.00115 J	0.00115 J	0.00115 J	0.00115	0.00115 J	0.00115 J
PCB003	ug/kg-Wet	1	0	0						0.00137 U	0.00137 U	0.000685	0.000685 U	0.000685 U
PCB004	ug/kg-Wet	1	1	100	0.487 J	0.487 J	0.487	0.487 J	0.487 J	0.487 J	0.487 J	0.487	0.487 J	0.487 J
PCB005	ug/kg-Wet	1	1	100	0.000921 J	0.000921 J	0.000921	0.000921 J	0.000921 J	0.000921 J	0.000921 J	0.000921	0.000921 J	0.000921 J
PCB006	ug/kg-Wet	1	1	100	0.0201 J	0.0201 J	0.0201	0.0201 J	0.0201 J	0.0201 J	0.0201 J	0.0201	0.0201 J	0.0201 J
PCB007	ug/kg-Wet	1	1	100	0.000854 J	0.000854 J	0.000854	0.000854 J	0.000854 J	0.000854 J	0.000854 J	0.000854	0.000854 J	0.000854 J
PCB008	ug/kg-Wet	1	1	100	0.0447 J	0.0447 J	0.0447	0.0447 J	0.0447 J	0.0447 J	0.0447 J	0.0447	0.0447 J	0.0447 J
PCB009	ug/kg-Wet	1	1	100	0.00116 J	0.00116 J	0.00116	0.00116 J	0.00116 J	0.00116 J	0.00116 J	0.00116	0.00116 J	0.00116 J
PCB010	ug/kg-Wet	1	1	100	0.0045 J	0.0045 J	0.0045	0.0045 J	0.0045 J	0.0045 J	0.0045 J	0.0045	0.0045 J	0.0045 J
PCB011	ug/kg-Wet	1	1	100	0.425 J	0.425 J	0.425	0.425 J	0.425 J	0.425 J	0.425 J	0.425	0.425 J	0.425 J
PCB012 & 013	ug/kg-Wet	1	1	100	0.00982 J	0.00982 J	0.00982	0.00982 J	0.00982 J	0.00982 J	0.00982 J	0.00982	0.00982 J	0.00982 J
PCB014	ug/kg-Wet	1	0	0						0.000741 UJ	0.000741 UJ	0.000371	0.0003705 UJ	0.0003705 UJ
PCB015	ug/kg-Wet	1	1	100	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
PCB016	ug/kg-Wet	1	1	100	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
PCB017	ug/kg-Wet	1	1	100	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285
PCB018 & 030	ug/kg-Wet	1	1	100	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362
PCB019	ug/kg-Wet	1	1	100	0.376	0.376	0.376	0.376	0.376	0.376	0.376	0.376	0.376	0.376
PCB020 & 028	ug/kg-Wet	1	1	100	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371	0.371
PCB021 & 033	ug/kg-Wet	1	1	100	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
PCB022	ug/kg-Wet	1	1	100	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
PCB023	ug/kg-Wet	1	0	0						0.000778 U	0.000778 U	0.000389	0.000389 U	0.000389 U
PCB024	ug/kg-Wet	1	1	100	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164
PCB025	ug/kg-Wet	1	1	100	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494
PCB026 & 029	ug/kg-Wet	1	1	100	0.0638	0.0638	0.0638	0.0638	0.0638	0.0638	0.0638	0.0638	0.0638	0.0638
PCB027	ug/kg-Wet	1	1	100	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157	0.157
PCB031	ug/kg-Wet	1	1	100	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
PCB032	ug/kg-Wet	1	1	100	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698	0.0698
PCB034	ug/kg-Wet	1	1	100	0.00128	0.00128	0.00128	0.00128	0.00128	0.00128	0.00128	0.00128	0.00128	0.00128
PCB035	ug/kg-Wet	1	1	100	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109
PCB036	ug/kg-Wet	1	1	100	0.00248	0.00248	0.00248	0.00248	0.00248	0.00248	0.00248	0.00248	0.00248	0.00248
PCB037	ug/kg-Wet	1	1	100	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116
PCB038	ug/kg-Wet	1	1	100	0.00216	0.00216	0.00216	0.00216	0.00216	0.00216	0.00216	0.00216	0.00216	0.00216
PCB039	ug/kg-Wet	1	1	100	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
PCB042	ug/kg-Wet	1	1	100	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
PCB043	ug/kg-Wet	1	1	100	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
PCB045 & 051	ug/kg-Wet	1	1	100	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
PCB046	ug/kg-Wet	1	1	100	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198
PCB048	ug/kg-Wet	1	1	100	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192	0.192
PCB049 & 069	ug/kg-Wet	1	1	100	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
PCB050 & 053	ug/kg-Wet	1	1	100	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
PCB052	ug/kg-Wet	1	1	100	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
PCB054	ug/kg-Wet	1	1	100	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514
PCB055	ug/kg-Wet	1	1	100	0.00976	0.00976	0.00976	0.00976	0.00976	0.00976	0.00976	0.00976	0.00976	0.00976
PCB056	ug/kg-Wet	1	1	100	0.413	0.413	0.413	0.413	0.413	0.413	0.413	0.413	0.413	0.413
PCB057	ug/kg-Wet	1	1	100	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577	0.00577
PCB058	ug/kg-Wet	1	1	100	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
PCB060	ug/kg-Wet	1	1	100	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
PCB063	ug/kg-Wet	1	1	100	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412
PCB064	ug/kg-Wet	1	1	100	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
PCB066	ug/kg-Wet	1	1	100	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
PCB067	ug/kg-Wet	1	1	100	0.0399	0.0399	0.0399	0.0399	0.0399	0.0399	0.0399	0.0399	0.0399	0.0399
PCB068	ug/kg-Wet	1	1	100	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
PCB072	ug/kg-Wet	1	1	100	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182
PCB073	ug/kg-Wet	1	1	100	0.0159	0.0159	0.0159	0.0159	0.0159	0.0159	0.0159	0.0159	0.0159	0.0159
PCB077	ug/kg-Wet	1	1	100	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
PCB078	ug/kg-Wet	1	0	0						0.00121 U	0.00121 U	0.000605	0.000605 U	0.000605 U
PCB079	ug/kg-Wet	1	1	100	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462
PCB080	ug/kg-Wet	1	0	0						0.00209 U	0.00209 U	0.00105	0.001045 U	0.001045 U
PCB081	ug/kg-Wet	1	1	100	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284
PCB082	ug/kg-Wet	1	1	100	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144	0.144
PCB083 & 099	ug/kg-Wet	1	1	100	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
PCB084	ug/kg-Wet	1	1	100	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346	0.346
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
PCB088 & 091	ug/kg-Wet	1	1	100	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423	0.423
PCB089	ug/kg-Wet	1	1	100	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	3	3	3	3	3	3	3	3	3	3
PCB092	ug/kg-Wet	1	1	100	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633	0.633
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
PCB094	ug/kg-Wet	1	1	100	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554
PCB096	ug/kg-Wet	1	1	100	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
PCB103	ug/kg-Wet	1	1	100	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
PCB104	ug/kg-Wet	1	1	100	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211
PCB105	ug/kg-Wet	1	1	100	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617	0.617
PCB106	ug/kg-Wet	1	0	0						0.000865 U	0.000865 U	0.000433	0.0004325 U	0.0004325 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
PCB109	ug/kg-Wet	1	1	100	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176	0.176
PCB110 & 115	ug/kg-Wet	1	1	100	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
PCB111	ug/kg-Wet	1	1	100	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765	0.00765
PCB112	ug/kg-Wet	1	0	0						0.000692 U	0.000692 U	0.000346	0.000346 U	0.000346 U
PCB114	ug/kg-Wet	1	1	100	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
PCB118	ug/kg-Wet	1	1	100	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
PCB120	ug/kg-Wet	1	1	100	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273
PCB121	ug/kg-Wet	1	1	100	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118
PCB122	ug/kg-Wet	1	1	100	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198
PCB123	ug/kg-Wet	1	1	100	0.0618	0.0618	0.0618	0.0618	0.0618	0.0618	0.0618	0.0618	0.0618	0.0618
PCB126	ug/kg-Wet	1	1	100	0.00494	0.00494	0.00494	0.00494	0.00494	0.00494	0.00494	0.00494	0.00494	0.00494
PCB127	ug/kg-Wet	1	1	100	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
PCB128 & 166	ug/kg-Wet	1	1	100	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409	0.409
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89
PCB130	ug/kg-Wet	1	1	100	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252
PCB131	ug/kg-Wet	1	1	100	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444
PCB132	ug/kg-Wet	1	1	100	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986
PCB133	ug/kg-Wet	1	1	100	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
PCB134 & 143	ug/kg-Wet	1	1	100	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
PCB136	ug/kg-Wet	1	1	100	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
PCB137	ug/kg-Wet	1	1	100	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577
PCB139 & 140	ug/kg-Wet	1	1	100	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629
PCB141	ug/kg-Wet	1	1	100	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
PCB142	ug/kg-Wet	1	0	0						0.00226 U	0.00226 U	0.00113	0.00113 U	0.00113 U
PCB144	ug/kg-Wet	1	1	100	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
PCB145	ug/kg-Wet	1	1	100	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
PCB146	ug/kg-Wet	1	1	100	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
PCB147 & 149	ug/kg-Wet	1	1	100	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23
PCB148	ug/kg-Wet	1	1	100	0.0439	0.0439	0.0439	0.0439	0.0439	0.0439	0.0439	0.0439	0.0439	0.0439
PCB150	ug/kg-Wet	1	1	100	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291
PCB152	ug/kg-Wet	1	1	100	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157
PCB153 & 168	ug/kg-Wet	1	1	100	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
PCB155	ug/kg-Wet	1	1	100	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648	0.00648
PCB156 & 157	ug/kg-Wet	1	1	100	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
PCB158	ug/kg-Wet	1	1	100	0.404	0.404	0.404	0.404	0.404	0.404	0.404	0.404	0.404	0.404
PCB159	ug/kg-Wet	1	1	100	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
PCB161	ug/kg-Wet	1	0	0						0.00154 U	0.00154 U	0.00077	0.00077 U	0.00077 U
PCB162	ug/kg-Wet	1	1	100	0.00705	0.00705	0.00705	0.00705	0.00705	0.00705	0.00705	0.00705	0.00705	0.00705
PCB164	ug/kg-Wet	1	1	100	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206
PCB165	ug/kg-Wet	1	1	100	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
PCB167	ug/kg-Wet	1	1	100	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
PCB169	ug/kg-Wet	1	0	0						0.00218 U	0.00218 U	0.00109	0.00109 U	0.00109 U
PCB170	ug/kg-Wet	1	1	100	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB171 & 173	ug/kg-Wet	1	1	100	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437	0.437
PCB172	ug/kg-Wet	1	1	100	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
PCB174	ug/kg-Wet	1	1	100	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
PCB175	ug/kg-Wet	1	1	100	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689	0.0689
PCB176	ug/kg-Wet	1	1	100	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229
PCB177	ug/kg-Wet	1	1	100	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986
PCB178	ug/kg-Wet	1	1	100	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542	0.542
PCB179	ug/kg-Wet	1	1	100	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828	0.828
PCB180 & 193	ug/kg-Wet	1	1	100	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
PCB181	ug/kg-Wet	1	1	100	0.00883	0.00883	0.00883	0.00883	0.00883	0.00883	0.00883	0.00883	0.00883	0.00883
PCB182	ug/kg-Wet	1	1	100	0.00491	0.00491	0.00491	0.00491	0.00491	0.00491	0.00491	0.00491	0.00491	0.00491
PCB183 & 185	ug/kg-Wet	1	1	100	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
PCB184	ug/kg-Wet	1	1	100	0.00304	0.00304	0.00304	0.00304	0.00304	0.00304	0.00304	0.00304	0.00304	0.00304
PCB186	ug/kg-Wet	1	0	0						0.000637 U	0.000637 U	0.000319	0.0003185 U	0.0003185 U
PCB187	ug/kg-Wet	1	1	100	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
PCB188	ug/kg-Wet	1	1	100	0.00949	0.00949	0.00949	0.00949	0.00949	0.00949	0.00949	0.00949	0.00949	0.00949
PCB189	ug/kg-Wet	1	1	100	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
PCB190	ug/kg-Wet	1	1	100	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
PCB191	ug/kg-Wet	1	1	100	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379
PCB192	ug/kg-Wet	1	0	0						0.00148 U	0.00148 U	0.00074	0.00074 U	0.00074 U
PCB194	ug/kg-Wet	1	1	100	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358
PCB195	ug/kg-Wet	1	1	100	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131	0.131
PCB196	ug/kg-Wet	1	1	100	0.0856	0.0856	0.0856	0.0856	0.0856	0.0856	0.0856	0.0856	0.0856	0.0856
PCB197 & 200	ug/kg-Wet	1	1	100	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516
PCB198 & 199	ug/kg-Wet	1	1	100	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177
PCB201	ug/kg-Wet	1	1	100	0.0986	0.0986	0.0986	0.0986	0.0986	0.0986	0.0986	0.0986	0.0986	0.0986
PCB202	ug/kg-Wet	1	1	100	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238	0.238
PCB203	ug/kg-Wet	1	1	100	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365
PCB204	ug/kg-Wet	1	1	100	0.000277 J	0.000277 J	0.000277	0.000277 J	0.000277 J	0.000277 J	0.000277 J	0.000277	0.000277 J	0.000277 J
PCB205	ug/kg-Wet	1	1	100	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202
PCB206	ug/kg-Wet	1	1	100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
PCB207	ug/kg-Wet	1	1	100	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
PCB208	ug/kg-Wet	1	1	100	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247
PCB209	ug/kg-Wet	1	1	100	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281
Total PCB Congeners	ug/kg-Wet	1	1	100	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	10	10	10	10	10	10	10	10	10	10
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.00436	0.00436	0.00436	0.00436	0.00436	0.00436	0.00436	0.00436	0.00436	0.00436
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66
2,4'-DDE	ug/kg-Wet	1	1	100	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406
2,4'-DDT	ug/kg-Wet	1	1	100	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
4,4'-DDD	ug/kg-Wet	1	1	100	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87
4,4'-DDE	ug/kg-Wet	1	1	100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
4,4'-DDT	ug/kg-Wet	1	1	100	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
Aldrin	ug/kg-Wet	1	1	100	0.144 J	0.144 J	0.144	0.144 J	0.144 J	0.144 J	0.144 J	0.144	0.144 J	0.144 J
alpha-Endosulfan	ug/kg-Wet	1	1	100	0.106 J	0.106 J	0.106	0.106 J	0.106 J	0.106 J	0.106 J	0.106	0.106 J	0.106 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.00689 U	0.00689 U	0.00345	0.003445 U	0.003445 U
beta-Endosulfan	ug/kg-Wet	1	1	100	0.129 J	0.129 J	0.129	0.129 J	0.129 J	0.129 J	0.129 J	0.129	0.129 J	0.129 J
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0418 U	0.0418 U	0.0209	0.0209 U	0.0209 U
Chlordane (cis & trans)	ug/kg-Wet	1	1	100	1.13 T	1.13 T	1.13	1.13 T	1.13 T	1.13 T	1.13 T	1.13	1.13 T	1.13 T
cis-Chlordane	ug/kg-Wet	1	1	100	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655
cis-Nonachlor	ug/kg-Wet	1	1	100	0.301 J	0.301 J	0.301	0.301 J	0.301 J	0.301 J	0.301 J	0.301	0.301 J	0.301 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.00131 U	0.00131 U	0.000655	0.000655 U	0.000655 U
Dieldrin	ug/kg-Wet	1	1	100	0.609	0.609	0.609	0.609	0.609	0.609	0.609	0.609	0.609	0.609
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
Endrin aldehyde	ug/kg-Wet	1	0	0						0.0191 U	0.0191 U	0.00955	0.00955 U	0.00955 U
Endrin ketone	ug/kg-Wet	1	0	0						0.00261 U	0.00261 U	0.00131	0.001305 U	0.001305 U
Endrin	ug/kg-Wet	1	1	100	0.00568 J	0.00568 J	0.00568	0.00568 J	0.00568 J	0.00568 J	0.00568 J	0.00568	0.00568 J	0.00568 J
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.0545 J	0.0545 J	0.0545	0.0545 J	0.0545 J	0.0545 J	0.0545 J	0.0545	0.0545 J	0.0545 J
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.0432 J	0.0432 J	0.0432	0.0432 J	0.0432 J	0.0432 J	0.0432 J	0.0432	0.0432 J	0.0432 J
Heptachlor	ug/kg-Wet	1	1	100	0.0073 J	0.0073 J	0.0073	0.0073 J	0.0073 J	0.0073 J	0.0073 J	0.0073	0.0073 J	0.0073 J
Methoxychlor	ug/kg-Wet	1	0	0						0.0155 U	0.0155 U	0.00775	0.00775 U	0.00775 U
Oxychlordane	ug/kg-Wet	1	1	100	0.0513 J	0.0513 J	0.0513	0.0513 J	0.0513 J	0.0513 J	0.0513 J	0.0513	0.0513 J	0.0513 J
Total Chlordanes	ug/kg-Wet	1	1	100	2.41 JT	2.41 JT	2.41	2.41 JT	2.41 JT	2.41 JT	2.41 JT	2.41	2.41 JT	2.41 JT
Total Endosulfan	ug/kg-Wet	1	1	100	0.717 JT	0.717 JT	0.717	0.717 JT	0.717 JT	0.717 JT	0.717 JT	0.717	0.717 JT	0.717 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	22.8 T	22.8 T	22.8	22.8 T	22.8 T	22.8 T	22.8 T	22.8	22.8 T	22.8 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	10.5 T	10.5 T	10.5	10.5 T	10.5 T	10.5 T	10.5 T	10.5	10.5 T	10.5 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	10.5 T	10.5 T	10.5	10.5 T	10.5 T	10.5 T	10.5 T	10.5	10.5 T	10.5 T

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	1.74 T	1.74 T	1.74	1.74 T	1.74 T	1.74 T	1.74 T	1.74	1.74 T	1.74 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	19.2 T	19.2 T	19.2	19.2 T	19.2 T	19.2 T	19.2 T	19.2	19.2 T	19.2 T
trans-Chlordane	ug/kg-Wet	1	1	100	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471	0.471
trans-Nonachlor	ug/kg-Wet	1	1	100	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932	0.932
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
4-Methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
Phenol	ug/kg-Wet	1	0	0						17 U	17 U	8.5	8.5 U	8.5 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						16 U	16 U	8	8 U	8 U
Diethyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 UJ	12 UJ	6	6 UJ	6 UJ
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 UJ	11 UJ	5.5	5.5 UJ	5.5 UJ
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 UJ	11 UJ	5.5	5.5 UJ	5.5 UJ
Benzyl alcohol	ug/kg-Wet	1	1	100	12 J	12 J	12	12 J	12 J	12 J	12 J	12	12 J	12 J
Dibenzofuran	ug/kg-Wet	1	1	100	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.435	0.435	0.435	0.435	0.435	0.435	0.435	0.435	0.435	0.435
Hexachlorobutadiene	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
Lab-exposed clams/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.00102 U	0.00102 U	0.00051	0.00051 U	0.00051 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.00053 U	0.00053 U	0.000265	0.000265 U	0.000265 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000441 U	0.000441 U	0.000221	0.0002205 U	0.0002205 U
Aroclor 1242	ug/kg-Wet	1	1	100	7.18 NJ	7.18 NJ	7.18	7.18 NJ	7.18 NJ	7.18 NJ	7.18 NJ	7.18	7.18 NJ	7.18 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.00351 U	0.00351 U	0.00176	0.001755 U	0.001755 U
Aroclor 1254	ug/kg-Wet	1	1	100	5.87 NJ	5.87 NJ	5.87	5.87 NJ	5.87 NJ	5.87 NJ	5.87 NJ	5.87	5.87 NJ	5.87 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	2.79 NJ	2.79 NJ	2.79	2.79 NJ	2.79 NJ	2.79 NJ	2.79 NJ	2.79	2.79 NJ	2.79 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	15.8 JT	15.8 JT	15.8	15.8 JT	15.8 JT	15.8 JT	15.8 JT	15.8	15.8 JT	15.8 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
Dibutyltin ion	ug/kg-Wet	1	0	0						0.49 U	0.49 U	0.245	0.245 U	0.245 U
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Conventionals														
Lipids	percent-Wet	1	1	100	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Total solids	percent-Wet	1	1	100	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	0	0						0.128 U	0.128 U	0.064	0.064 U	0.064 U
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185	0.185
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081
Octachlorodibenzofuran	pg/g-Wet	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415	0.415
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	0	0						0.114 U	0.114 U	0.057	0.057 U	0.057 U
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.075 U	0.075 U	0.0375	0.0375 U	0.0375 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.26 U	0.26 U	0.13	0.13 U	0.13 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.128 U	0.128 U	0.064	0.064 U	0.064 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.048 U	0.048 U	0.024	0.024 U	0.024 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.161 U	0.161 U	0.0805	0.0805 U	0.0805 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.0909 U	0.0909 U	0.0455	0.04545 U	0.04545 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.083 U	0.083 U	0.0415	0.0415 U	0.0415 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.129 U	0.129 U	0.0645	0.0645 U	0.0645 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.0921 U	0.0921 U	0.0461	0.04605 U	0.04605 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.054 U	0.054 U	0.027	0.027 U	0.027 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.114 U	0.114 U	0.057	0.057 U	0.057 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.065 U	0.065 U	0.0325	0.0325 U	0.0325 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	0	0						0.093 U	0.093 U	0.0465	0.0465 U	0.0465 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	0	0						0.122 U	0.122 U	0.061	0.061 U	0.061 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.071 U	0.071 U	0.0355	0.0355 U	0.0355 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.000238 T	0.000238 T	0.000238	0.000238 T	0.000238 T	0.000238 T	0.000238 T	0.000238	0.000238 T	0.000238 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.444 T	0.444 T	0.444	0.444 T	0.444 T	0.444 T	0.444 T	0.444	0.444 T	0.444 T
Total PCDD/F	pg/g-Wet	1	1	100	4.83 T	4.83 T	4.83	4.83 T	4.83 T	4.83 T	4.83 T	4.83	4.83 T	4.83 T
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.444 T	0.444 T	0.444	0.444 T	0.444 T	0.444 T	0.444 T	0.444	0.444 T	0.444 T

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Metals														
Aluminum	mg/kg-Wet	1	1	100	15	15	15	15	15	15	15	15	15	15
Antimony	mg/kg-Wet	1	0	0						0.0007 U	0.0007 U	0.00035	0.00035 U	0.00035 U
Arsenic	mg/kg-Wet	1	1	100	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411	0.411
Cadmium	mg/kg-Wet	1	1	100	0.0497	0.0497	0.0497	0.0497	0.0497	0.0497	0.0497	0.0497	0.0497	0.0497
Chromium	mg/kg-Wet	1	1	100	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Copper	mg/kg-Wet	1	1	100	3.67 J	3.67 J	3.67	3.67 J	3.67 J	3.67 J	3.67 J	3.67	3.67 J	3.67 J
Lead	mg/kg-Wet	1	1	100	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
Mercury	mg/kg-Wet	1	1	100	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
Nickel	mg/kg-Wet	1	1	100	0.159 J	0.159 J	0.159	0.159 J	0.159 J	0.159 J	0.159 J	0.159	0.159 J	0.159 J
Selenium	mg/kg-Wet	1	1	100	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
Silver	mg/kg-Wet	1	1	100	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102
Zinc	mg/kg-Wet	1	1	100	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	0.94 J	0.94 J	0.94	0.94 J	0.94 J	0.94 J	0.94 J	0.94	0.94 J	0.94 J
Acenaphthene	ug/kg-Wet	1	1	100	0.27 J	0.27 J	0.27	0.27 J	0.27 J	0.27 J	0.27 J	0.27	0.27 J	0.27 J
Acenaphthylene	ug/kg-Wet	1	1	100	0.25 J	0.25 J	0.25	0.25 J	0.25 J	0.25 J	0.25 J	0.25	0.25 J	0.25 J
Anthracene	ug/kg-Wet	1	1	100	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Benzo(a)anthracene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Benzo(a)pyrene	ug/kg-Wet	1	1	100	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	0.34 J	0.34 J	0.34	0.34 J	0.34 J	0.34 J	0.34 J	0.34	0.34 J	0.34 J
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	0.36 J	0.36 J	0.36	0.36 J	0.36 J	0.36 J	0.36 J	0.36	0.36 J	0.36 J
Chrysene	ug/kg-Wet	1	1	100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Dibenzo(a,h)anthracene	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Fluoranthene	ug/kg-Wet	1	1	100	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Fluorene	ug/kg-Wet	1	1	100	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
High Molecular Weight PAH	ug/kg-Wet	1	1	100	20.6 JT	20.6 JT	20.6	20.6 JT	20.6 JT	20.6 JT	20.6 JT	20.6	20.6 JT	20.6 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	0.21 J	0.21 J	0.21	0.21 J	0.21 J	0.21 J	0.21 J	0.21	0.21 J	0.21 J
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	6.85 JT	6.85 JT	6.85	6.85 JT	6.85 JT	6.85 JT	6.85 JT	6.85	6.85 JT	6.85 JT
Naphthalene	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Phenanthrene	ug/kg-Wet	1	1	100	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Pyrene	ug/kg-Wet	1	1	100	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Total PAHs	ug/kg-Wet	1	1	100	27.5 JT	27.5 JT	27.5	27.5 JT	27.5 JT	27.5 JT	27.5 JT	27.5	27.5 JT	27.5 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
PCB002	ug/kg-Wet	1	1	100	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911
PCB003	ug/kg-Wet	1	1	100	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
PCB004	ug/kg-Wet	1	1	100	0.664 J	0.664 J	0.664	0.664 J	0.664 J	0.664 J	0.664 J	0.664	0.664 J	0.664 J
PCB005	ug/kg-Wet	1	1	100	0.0265 J	0.0265 J	0.0265	0.0265 J	0.0265 J	0.0265 J	0.0265 J	0.0265	0.0265 J	0.0265 J
PCB006	ug/kg-Wet	1	1	100	0.227 J	0.227 J	0.227	0.227 J	0.227 J	0.227 J	0.227 J	0.227	0.227 J	0.227 J
PCB007	ug/kg-Wet	1	1	100	0.042 J	0.042 J	0.042	0.042 J	0.042 J	0.042 J	0.042 J	0.042	0.042 J	0.042 J
PCB008	ug/kg-Wet	1	1	100	1.04 J	1.04 J	1.04	1.04 J	1.04 J	1.04 J	1.04 J	1.04	1.04 J	1.04 J
PCB009	ug/kg-Wet	1	1	100	0.0595 J	0.0595 J	0.0595	0.0595 J	0.0595 J	0.0595 J	0.0595 J	0.0595	0.0595 J	0.0595 J
PCB010	ug/kg-Wet	1	1	100	0.0174 J	0.0174 J	0.0174	0.0174 J	0.0174 J	0.0174 J	0.0174 J	0.0174	0.0174 J	0.0174 J
PCB011	ug/kg-Wet	1	1	100	0.253 J	0.253 J	0.253	0.253 J	0.253 J	0.253 J	0.253 J	0.253	0.253 J	0.253 J
PCB012 & 013	ug/kg-Wet	1	1	100	0.0562 J	0.0562 J	0.0562	0.0562 J	0.0562 J	0.0562 J	0.0562 J	0.0562	0.0562 J	0.0562 J
PCB014	ug/kg-Wet	1	0	0						0.000716 UJ	0.000716 UJ	0.000358	0.000358 UJ	0.000358 UJ
PCB015	ug/kg-Wet	1	1	100	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309	0.309
PCB016	ug/kg-Wet	1	1	100	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
PCB017	ug/kg-Wet	1	1	100	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246	0.246
PCB018 & 030	ug/kg-Wet	1	1	100	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457
PCB019	ug/kg-Wet	1	1	100	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771
PCB020 & 028	ug/kg-Wet	1	1	100	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502	0.502
PCB021 & 033	ug/kg-Wet	1	1	100	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241
PCB022	ug/kg-Wet	1	1	100	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
PCB023	ug/kg-Wet	1	1	100	0.00072	0.00072	0.00072	0.00072	0.00072	0.00072	0.00072	0.00072	0.00072	0.00072
PCB024	ug/kg-Wet	1	1	100	0.00722	0.00722	0.00722	0.00722	0.00722	0.00722	0.00722	0.00722	0.00722	0.00722
PCB025	ug/kg-Wet	1	1	100	0.0368	0.0368	0.0368	0.0368	0.0368	0.0368	0.0368	0.0368	0.0368	0.0368
PCB026 & 029	ug/kg-Wet	1	1	100	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793	0.0793
PCB027	ug/kg-Wet	1	1	100	0.0392	0.0392	0.0392	0.0392	0.0392	0.0392	0.0392	0.0392	0.0392	0.0392
PCB031	ug/kg-Wet	1	1	100	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399
PCB032	ug/kg-Wet	1	1	100	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
PCB034	ug/kg-Wet	1	1	100	0.00156	0.00156	0.00156	0.00156	0.00156	0.00156	0.00156	0.00156	0.00156	0.00156
PCB035	ug/kg-Wet	1	1	100	0.00685	0.00685	0.00685	0.00685	0.00685	0.00685	0.00685	0.00685	0.00685	0.00685
PCB036	ug/kg-Wet	1	1	100	0.00181	0.00181	0.00181	0.00181	0.00181	0.00181	0.00181	0.00181	0.00181	0.00181
PCB037	ug/kg-Wet	1	1	100	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419
PCB038	ug/kg-Wet	1	0	0						0.000558 U	0.000558 U	0.000279	0.000279 U	0.000279 U
PCB039	ug/kg-Wet	1	0	0						0.00212 U	0.00212 U	0.00106	0.00106 U	0.00106 U
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748
PCB042	ug/kg-Wet	1	1	100	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
PCB043	ug/kg-Wet	1	1	100	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621	0.00621
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
PCB045 & 051	ug/kg-Wet	1	1	100	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
PCB046	ug/kg-Wet	1	1	100	0.00826	0.00826	0.00826	0.00826	0.00826	0.00826	0.00826	0.00826	0.00826	0.00826
PCB048	ug/kg-Wet	1	1	100	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB049 & 069	ug/kg-Wet	1	1	100	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103
PCB050 & 053	ug/kg-Wet	1	1	100	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423
PCB052	ug/kg-Wet	1	1	100	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205	0.205
PCB054	ug/kg-Wet	1	1	100	0.00268	0.00268	0.00268	0.00268	0.00268	0.00268	0.00268	0.00268	0.00268	0.00268
PCB055	ug/kg-Wet	1	0	0						0.00185 U	0.00185 U	0.000925	0.000925 U	0.000925 U
PCB056	ug/kg-Wet	1	1	100	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694
PCB057	ug/kg-Wet	1	1	100	0.000614	0.000614	0.000614	0.000614	0.000614	0.000614	0.000614	0.000614	0.000614	0.000614
PCB058	ug/kg-Wet	1	0	0						0.00157 U	0.00157 U	0.000785	0.000785 U	0.000785 U
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
PCB060	ug/kg-Wet	1	1	100	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231
PCB063	ug/kg-Wet	1	1	100	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071
PCB064	ug/kg-Wet	1	1	100	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598
PCB066	ug/kg-Wet	1	1	100	0.169	0.169	0.169	0.169	0.169	0.169	0.169	0.169	0.169	0.169
PCB067	ug/kg-Wet	1	1	100	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681	0.00681
PCB068	ug/kg-Wet	1	0	0						0.00207 U	0.00207 U	0.00104	0.001035 U	0.001035 U
PCB072	ug/kg-Wet	1	0	0						0.00191 U	0.00191 U	0.000955	0.000955 U	0.000955 U
PCB073	ug/kg-Wet	1	0	0						0.00158 U	0.00158 U	0.00079	0.00079 U	0.00079 U
PCB077	ug/kg-Wet	1	1	100	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
PCB078	ug/kg-Wet	1	0	0						0.00116 U	0.00116 U	0.00058	0.00058 U	0.00058 U
PCB079	ug/kg-Wet	1	1	100	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166
PCB080	ug/kg-Wet	1	0	0						0.00202 U	0.00202 U	0.00101	0.00101 U	0.00101 U
PCB081	ug/kg-Wet	1	1	100	0.000747	0.000747	0.000747	0.000747	0.000747	0.000747	0.000747	0.000747	0.000747	0.000747
PCB082	ug/kg-Wet	1	1	100	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
PCB083 & 099	ug/kg-Wet	1	1	100	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
PCB084	ug/kg-Wet	1	1	100	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	0.0761	0.0761	0.0761	0.0761	0.0761	0.0761	0.0761	0.0761	0.0761	0.0761
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383	0.383
PCB088 & 091	ug/kg-Wet	1	1	100	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
PCB089	ug/kg-Wet	1	1	100	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	0.526	0.526	0.526	0.526	0.526	0.526	0.526	0.526	0.526	0.526
PCB092	ug/kg-Wet	1	1	100	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667	0.0667
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
PCB094	ug/kg-Wet	1	1	100	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144
PCB096	ug/kg-Wet	1	1	100	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124	0.00124
PCB103	ug/kg-Wet	1	1	100	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283
PCB104	ug/kg-Wet	1	1	100	0.000268 J	0.000268 J	0.000268	0.000268 J	0.000268 J	0.000268 J	0.000268 J	0.000268	0.000268 J	0.000268 J
PCB105	ug/kg-Wet	1	1	100	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233	0.233
PCB106	ug/kg-Wet	1	0	0						0.00136 U	0.00136 U	0.00068	0.00068 U	0.00068 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239
PCB109	ug/kg-Wet	1	1	100	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441	0.0441
PCB110 & 115	ug/kg-Wet	1	1	100	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
PCB111	ug/kg-Wet	1	0	0						0.000511 U	0.000511 U	0.000256	0.0002555 U	0.0002555 U
PCB112	ug/kg-Wet	1	0	0						0.000609 U	0.000609 U	0.000305	0.0003045 U	0.0003045 U
PCB114	ug/kg-Wet	1	1	100	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131
PCB118	ug/kg-Wet	1	1	100	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
PCB120	ug/kg-Wet	1	1	100	0.00438	0.00438	0.00438	0.00438	0.00438	0.00438	0.00438	0.00438	0.00438	0.00438
PCB121	ug/kg-Wet	1	0	0						0.000341 U	0.000341 U	0.000171	0.0001705 U	0.0001705 U
PCB122	ug/kg-Wet	1	0	0						0.00545 U	0.00545 U	0.00273	0.002725 U	0.002725 U
PCB123	ug/kg-Wet	1	1	100	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349	0.0349
PCB126	ug/kg-Wet	1	1	100	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195
PCB127	ug/kg-Wet	1	0	0						0.00159 U	0.00159 U	0.000795	0.000795 U	0.000795 U
PCB128 & 166	ug/kg-Wet	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
PCB130	ug/kg-Wet	1	1	100	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496
PCB131	ug/kg-Wet	1	1	100	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
PCB132	ug/kg-Wet	1	1	100	0.0765	0.0765	0.0765	0.0765	0.0765	0.0765	0.0765	0.0765	0.0765	0.0765
PCB133	ug/kg-Wet	1	1	100	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
PCB134 & 143	ug/kg-Wet	1	1	100	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
PCB136	ug/kg-Wet	1	1	100	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
PCB137	ug/kg-Wet	1	1	100	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
PCB139 & 140	ug/kg-Wet	1	1	100	0.00937	0.00937	0.00937	0.00937	0.00937	0.00937	0.00937	0.00937	0.00937	0.00937
PCB141	ug/kg-Wet	1	1	100	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306
PCB142	ug/kg-Wet	1	0	0						0.000571 U	0.000571 U	0.000286	0.0002855 U	0.0002855 U
PCB144	ug/kg-Wet	1	1	100	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
PCB145	ug/kg-Wet	1	0	0						0.0001 U	0.0001 U	0.00005	0.00005 U	0.00005 U
PCB146	ug/kg-Wet	1	1	100	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207	0.207
PCB147 & 149	ug/kg-Wet	1	1	100	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452
PCB148	ug/kg-Wet	1	1	100	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102	0.00102
PCB150	ug/kg-Wet	1	1	100	0.000603	0.000603	0.000603	0.000603	0.000603	0.000603	0.000603	0.000603	0.000603	0.000603
PCB152	ug/kg-Wet	1	1	100	0.000296 J	0.000296 J	0.000296	0.000296 J	0.000296 J	0.000296 J	0.000296 J	0.000296	0.000296 J	0.000296 J
PCB153 & 168	ug/kg-Wet	1	1	100	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24	3.24
PCB155	ug/kg-Wet	1	1	100	0.000651	0.000651	0.000651	0.000651	0.000651	0.000651	0.000651	0.000651	0.000651	0.000651
PCB156 & 157	ug/kg-Wet	1	1	100	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
PCB158	ug/kg-Wet	1	1	100	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB159	ug/kg-Wet	1	0	0						0.000741 U	0.000741 U	0.000371	0.0003705 U	0.0003705 U
PCB161	ug/kg-Wet	1	0	0						0.000645 U	0.000645 U	0.000323	0.0003225 U	0.0003225 U
PCB162	ug/kg-Wet	1	1	100	0.00264	0.00264	0.00264	0.00264	0.00264	0.00264	0.00264	0.00264	0.00264	0.00264
PCB164	ug/kg-Wet	1	1	100	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294
PCB165	ug/kg-Wet	1	0	0						0.000442 U	0.000442 U	0.000221	0.000221 U	0.000221 U
PCB167	ug/kg-Wet	1	1	100	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
PCB169	ug/kg-Wet	1	0	0						0.000514 U	0.000514 U	0.000257	0.000257 U	0.000257 U
PCB170	ug/kg-Wet	1	1	100	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
PCB171 & 173	ug/kg-Wet	1	1	100	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323
PCB172	ug/kg-Wet	1	1	100	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303
PCB174	ug/kg-Wet	1	1	100	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214
PCB175	ug/kg-Wet	1	1	100	0.00506	0.00506	0.00506	0.00506	0.00506	0.00506	0.00506	0.00506	0.00506	0.00506
PCB176	ug/kg-Wet	1	1	100	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107
PCB177	ug/kg-Wet	1	1	100	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774
PCB178	ug/kg-Wet	1	1	100	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489
PCB179	ug/kg-Wet	1	1	100	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387
PCB180 & 193	ug/kg-Wet	1	1	100	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432
PCB181	ug/kg-Wet	1	1	100	0.00215	0.00215	0.00215	0.00215	0.00215	0.00215	0.00215	0.00215	0.00215	0.00215
PCB182	ug/kg-Wet	1	1	100	0.00114	0.00114	0.00114	0.00114	0.00114	0.00114	0.00114	0.00114	0.00114	0.00114
PCB183 & 185	ug/kg-Wet	1	1	100	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104
PCB184	ug/kg-Wet	1	0	0						0.000543 U	0.000543 U	0.000272	0.0002715 U	0.0002715 U
PCB186	ug/kg-Wet	1	0	0						0.000615 U	0.000615 U	0.000308	0.0003075 U	0.0003075 U
PCB187	ug/kg-Wet	1	1	100	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
PCB188	ug/kg-Wet	1	0	0						0.000662 U	0.000662 U	0.000331	0.000331 U	0.000331 U
PCB189	ug/kg-Wet	1	1	100	0.000946	0.000946	0.000946	0.000946	0.000946	0.000946	0.000946	0.000946	0.000946	0.000946
PCB190	ug/kg-Wet	1	1	100	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494
PCB191	ug/kg-Wet	1	1	100	0.00451	0.00451	0.00451	0.00451	0.00451	0.00451	0.00451	0.00451	0.00451	0.00451
PCB192	ug/kg-Wet	1	0	0						0.00143 U	0.00143 U	0.000715	0.000715 U	0.000715 U
PCB194	ug/kg-Wet	1	1	100	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404
PCB195	ug/kg-Wet	1	1	100	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157
PCB196	ug/kg-Wet	1	1	100	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142	0.0142
PCB197 & 200	ug/kg-Wet	1	1	100	0.00611	0.00611	0.00611	0.00611	0.00611	0.00611	0.00611	0.00611	0.00611	0.00611
PCB198 & 199	ug/kg-Wet	1	1	100	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394
PCB201	ug/kg-Wet	1	1	100	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151
PCB202	ug/kg-Wet	1	1	100	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
PCB203	ug/kg-Wet	1	1	100	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
PCB204	ug/kg-Wet	1	0	0						0.000144 U	0.000144 U	0.000072	0.000072 U	0.000072 U
PCB205	ug/kg-Wet	1	1	100	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
PCB206	ug/kg-Wet	1	1	100	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
PCB207	ug/kg-Wet	1	1	100	0.00869	0.00869	0.00869	0.00869	0.00869	0.00869	0.00869	0.00869	0.00869	0.00869
PCB208	ug/kg-Wet	1	1	100	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
PCB209	ug/kg-Wet	1	1	100	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637
Total PCB Congeners	ug/kg-Wet	1	1	100	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	6.27	6.27	6.27	6.27	6.27	6.27	6.27	6.27	6.27	6.27
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099	0.099
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	0.157 J	0.157 J	0.157	0.157 J	0.157 J	0.157 J	0.157 J	0.157	0.157 J	0.157 J
2,4'-DDE	ug/kg-Wet	1	1	100	0.0145 J	0.0145 J	0.0145	0.0145 J	0.0145 J	0.0145 J	0.0145 J	0.0145	0.0145 J	0.0145 J
2,4'-DDT	ug/kg-Wet	1	1	100	0.025 J	0.025 J	0.025	0.025 J	0.025 J	0.025 J	0.025 J	0.025	0.025 J	0.025 J
4,4'-DDD	ug/kg-Wet	1	1	100	0.418	0.418	0.418	0.418	0.418	0.418	0.418	0.418	0.418	0.418
4,4'-DDE	ug/kg-Wet	1	1	100	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.535	0.535
4,4'-DDT	ug/kg-Wet	1	1	100	0.0812 J	0.0812 J	0.0812	0.0812 J	0.0812 J	0.0812 J	0.0812 J	0.0812	0.0812 J	0.0812 J
Aldrin	ug/kg-Wet	1	1	100	0.0118 J	0.0118 J	0.0118	0.0118 J	0.0118 J	0.0118 J	0.0118 J	0.0118	0.0118 J	0.0118 J
alpha-Endosulfan	ug/kg-Wet	1	0	0						0.0462 U	0.0462 U	0.0231	0.0231 U	0.0231 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.00721 J	0.00721 J	0.00721	0.00721 J	0.00721 J	0.00721 J	0.00721 J	0.00721	0.00721 J	0.00721 J
beta-Endosulfan	ug/kg-Wet	1	0	0						0.119 U	0.119 U	0.0595	0.0595 U	0.0595 U
beta-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.00343 J	0.00343 J	0.00343	0.00343 J	0.00343 J	0.00343 J	0.00343 J	0.00343	0.00343 J	0.00343 J
cis-Chlordane	ug/kg-Wet	1	1	100	0.554	0.554	0.554	0.554	0.554	0.554	0.554	0.554	0.554	0.554
cis-Nonachlor	ug/kg-Wet	1	1	100	0.262 J	0.262 J	0.262	0.262 J	0.262 J	0.262 J	0.262 J	0.262	0.262 J	0.262 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.007 U	0.007 U	0.0035	0.0035 U	0.0035 U
Dieldrin	ug/kg-Wet	1	1	100	0.155 J	0.155 J	0.155	0.155 J	0.155 J	0.155 J	0.155 J	0.155	0.155 J	0.155 J
Endosulfan sulfate	ug/kg-Wet	1	0	0						0.033 U	0.033 U	0.0165	0.0165 U	0.0165 U
Endrin aldehyde	ug/kg-Wet	1	0	0						0.037 U	0.037 U	0.0185	0.0185 U	0.0185 U
Endrin ketone	ug/kg-Wet	1	0	0						0.0771 U	0.0771 U	0.0386	0.03855 U	0.03855 U
Endrin	ug/kg-Wet	1	0	0						0.0493 U	0.0493 U	0.0247	0.02465 U	0.02465 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.0314 J	0.0314 J	0.0314	0.0314 J	0.0314 J	0.0314 J	0.0314 J	0.0314	0.0314 J	0.0314 J
Heptachlor epoxide	ug/kg-Wet	1	0	0						0.017 U	0.017 U	0.0085	0.0085 U	0.0085 U
Heptachlor	ug/kg-Wet	1	1	100	0.0201 J	0.0201 J	0.0201	0.0201 J	0.0201 J	0.0201 J	0.0201 J	0.0201	0.0201 J	0.0201 J

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Methoxychlor	ug/kg-Wet	1	0	0						0.008 U	0.008 U	0.004	0.004 U	0.004 U
Oxychlordane	ug/kg-Wet	1	0	0						0.0427 U	0.0427 U	0.0214	0.02135 U	0.02135 U
Total Chlordanes	ug/kg-Wet	1	1	100	1.92 JT	1.92 JT	1.92	1.92 JT	1.92 JT	1.92 JT	1.92 JT	1.92	1.92 JT	1.92 JT
Total Endosulfan	ug/kg-Wet	1	0	0						0.119 UT	0.119 UT	0.0595	0.0595 UT	0.0595 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	1.23 JT	1.23 JT	1.23	1.23 JT	1.23 JT	1.23 JT	1.23 JT	1.23	1.23 JT	1.23 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	0.575 JT	0.575 JT	0.575	0.575 JT	0.575 JT	0.575 JT	0.575 JT	0.575	0.575 JT	0.575 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	0.55 JT	0.55 JT	0.55	0.55 JT	0.55 JT	0.55 JT	0.55 JT	0.55	0.55 JT	0.55 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	0.106 JT	0.106 JT	0.106	0.106 JT	0.106 JT	0.106 JT	0.106 JT	0.106	0.106 JT	0.106 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	1.03 JT	1.03 JT	1.03	1.03 JT	1.03 JT	1.03 JT	1.03 JT	1.03	1.03 JT	1.03 JT
trans-Chlordane	ug/kg-Wet	1	1	100	0.318 J	0.318 J	0.318	0.318 J	0.318 J	0.318 J	0.318 J	0.318	0.318 J	0.318 J
trans-Nonachlor	ug/kg-Wet	1	1	100	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782	0.782
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
4-Methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
Pentachlorophenol	ug/kg-Wet	1	0	0						31 U	31 U	15.5	15.5 U	15.5 U
Phenol	ug/kg-Wet	1	0	0						17 U	17 U	8.5	8.5 U	8.5 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	120 J	120 J	120	120 J	120 J	120 J	120 J	120	120 J	120 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						160 U	160 U	80	80 U	80 U
Diethyl phthalate	ug/kg-Wet	1	0	0						9.4 U	9.4 U	4.7	4.7 U	4.7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Benzyl alcohol	ug/kg-Wet	1	1	100	6.8 J	6.8 J	6.8	6.8 J	6.8 J	6.8 J	6.8 J	6.8	6.8 J	6.8 J
Dibenzofuran	ug/kg-Wet	1	1	100	0.33 J	0.33 J	0.33	0.33 J	0.33 J	0.33 J	0.33 J	0.33	0.33 J	0.33 J
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.0399 J	0.0399 J	0.0399	0.0399 J	0.0399 J	0.0399 J	0.0399 J	0.0399	0.0399 J	0.0399 J
Hexachlorobutadiene	ug/kg-Wet	1	1	100	0.00719 J	0.00719 J	0.00719	0.00719 J	0.00719 J	0.00719 J	0.00719 J	0.00719	0.00719 J	0.00719 J
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
STUDY AREA														
Field-collected clam/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	32	0	0						0.000714 U	20 U	0.492	0.00075 U	0.95 U
Aroclor 1221	ug/kg-Wet	32	0	0						0.000283 U	12 U	0.366	0.0003465 U	0.95 U
Aroclor 1232	ug/kg-Wet	32	0	0						0.000206 UT	34 U	0.71	0.0002135 U	0.95 U
Aroclor 1242	ug/kg-Wet	32	29	90.6	2.34 NJ	102 NJ	15.8	6.53 NJ	61.7 NJT	1.9 U	102 NJ	14.9	5.84 NJ	61.7 NJT
Aroclor 1248	ug/kg-Wet	32	2	6.25	39	120	79.5	39	39	0.00151 U	120	5.62	0.006 U	20.5 U
Aroclor 1254	ug/kg-Wet	32	29	90.6	16.9 NJ	595 NJ	89.2	46.9 NJ	177 NJ	16.9 NJ	595 NJ	83.9	43.5 NJ	177 NJ
Aroclor 1260	ug/kg-Wet	32	31	96.9	9.23 NJ	861 NJ	63.3	24.1 NJ	112 NJ	9.23 NJ	861 NJ	61.6	23.4 NJ	112 NJ
Aroclor 1262	ug/kg-Wet	3	0	0						1.9 U	9.5 U	2.22	0.95 U	0.95 U
Aroclor 1268	ug/kg-Wet	3	0	0						1.9 U	9.5 U	2.22	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	32	32	100	30.2 JT	1470 JT	161	77 JT	299 JT	30.2 JT	1470 JT	161	77 JT	299 JT
Butyltins														
Butyltin ion	ug/kg-Wet	25	18	72	1	97	8.82	3.3	8.4	0.061 U	97	6.42	2.5 T	7.3 J
Dibutyltin ion	ug/kg-Wet	25	25	100	1.1	560	28.7	4.4	12	1.1	560	28.7	4.4	12
Tetrabutyltin	ug/kg-Wet	25	0	0						0.067 U	3.4 U	0.105	0.0335 U	0.095 U
Tributyltin ion	ug/kg-Wet	25	19	76	2.5	530	38.4	6.8 T	63	1.8 U	530	29.6	6	33
Conventionals														
Lipids	percent-Wet	33	33	100	0.837 T	4.63	2.31	2.19	3.38	0.837 T	4.63	2.31	2.19	3.38
Total solids	percent-Wet	29	29	100	10.2	17.1	13.8	14.2	15.7	10.2	17.1	13.8	14.2	15.7
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	27	27	100	1.09	10.1	3.13	1.91	7.77	1.09	10.1	3.13	1.91	7.77
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	27	27	100	4.18 T	34.1	10.6	7.64	18.8	4.18 T	34.1	10.6	7.64	18.8
Hexachlorodibenzofuran homologs	pg/g-Wet	27	27	100	1.43 T	26.9	4.7	2.9 T	7.94	1.43 T	26.9	4.7	2.9 T	7.94
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	27	27	100	1.01	7.22	3.46	2.92	6.09	1.01	7.22	3.46	2.92	6.09
Octachlorodibenzofuran	pg/g-Wet	27	22	81.5	0.746 JT	8.46 J	2.32	1.52 J	4.05	0.746 JT	8.46 J	1.98	1.42 J	4.05
Octachlorodibenzo-p-dioxin	pg/g-Wet	27	27	100	12.6 T	110	31.8	21.5	95.4	12.6 T	110	31.8	21.5	95.4
Pentachlorodibenzofuran homologs	pg/g-Wet	27	27	100	1.62	43	7.85	4.8	17.6	1.62	43	7.85	4.8	17.6
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	27	26	96.3	0.299	2.53	1.44	1.36	2.32	0.299	2.53	1.43	1.36	2.32
Tetrachlorodibenzofuran homologs	pg/g-Wet	27	27	100	4.05	56.4	14.6	12.3	21	4.05	56.4	14.6	12.3	21
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	27	27	100	4.09	13.6	7.27	6.7	11	4.09	13.6	7.27	6.7	11
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	27	15	55.6	0.432 JT	3.77 J	1.31	1.22	2.12	0.432 JT	3.77 J	0.888	0.52 U	2.07
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	27	27	100	2 T	16.1 J	4.96	3.6	9.32	2 T	16.1 J	4.96	3.6	9.32
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	27	8	29.6	0.065 J	0.454 J	0.145	0.098 J	0.165 J	0.053 U	2.2 U	0.128	0.067 J	0.165 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	27	22	81.5	0.066 JT	4.8	0.722	0.227 J	1.79 J	0.066 JT	4.8	0.633	0.22 J	1.79 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	27	20	74.1	0.073 J	0.248 J	0.141	0.122 J	0.227 J	0.073 J	2.77 U	0.173	0.119 J	0.227 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	27	10	37	0.059 J	0.868 J	0.211	0.096 J	0.397 J	0.053 U	1.57 U	0.142	0.061 J	0.397 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	27	25	92.6	0.37 JT	1.82 J	0.828	0.674 J	1.48	0.37 JT	1.82 J	0.784	0.666 J	1.48
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	27	0	0						0.057 U	2.22 U	0.108	0.067 U	0.098 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	27	22	81.5	0.138 JT	0.939 J	0.292	0.215 J	0.489 J	0.138 JT	0.939 J	0.259	0.196 J	0.489 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	27	20	74.1	0.057 J	7.01	0.856	0.205 JT	3.56	0.057 J	7.01	0.692	0.16 J	1.84
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	27	17	63	0.146 J	0.544 J	0.282	0.257 J	0.448 J	0.14 U	1.96 U	0.251	0.218 J	0.448 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	27	7	25.9	0.086 JT	0.426 J	0.164	0.116 JT	0.219 J	0.081 U	1.84 U	0.126	0.0825 U	0.219 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	27	18	66.7	0.132 J	6.33	1.28	0.478 JT	5.87	0.132 J	6.33	0.939	0.297 J	3.06
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	27	25	92.6	0.343	24.4	3.11	1.29	5.48	0.343	24.4	2.91	1.28	5.48
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	27	4	14.8	0.165 J	0.432	0.257	0.182 JT	0.249	0.116 UT	1.05 U	0.166	0.1195 U	0.432
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	27	27	100	0.116 T	6.76 T	1.2	0.568 JT	4.37 T	0.116 T	6.76 T	1.2	0.568 JT	4.37 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	29	29	100	0.749 T	9.39 T	2.73	1.98 T	5.52 T	0.749 T	9.39 T	2.73	1.98 T	5.52 T
Total PCDD/F	pg/g-Wet	27	27	100	33.6 JT	189 T	86.7	60.6 T	171 JT	33.6 JT	189 T	86.7	60.6 T	171 JT
Total TCDD toxicity equivalent	pg/g-Wet	26	26	100	1.09 T	10.3 T	4.03	3.08 T	7.47 T	1.09 T	10.3 T	4.03	3.08 T	7.47 T
Metals														
Aluminum	mg/kg-Wet	29	29	100	20.5	202	87.7	76.5 JT	171	20.5	202	87.7	76.5 JT	171
Antimony	mg/kg-Wet	29	16	55.2	0.001 J	0.004 J	0.00192	0.002 J	0.003 J	0.001 U	0.006 U	0.00146	0.001 JT	0.003 U
Arsenic	mg/kg-Wet	29	29	100	0.694	1.25	0.924	0.923	1.05	0.694	1.25	0.924	0.923	1.05
Cadmium	mg/kg-Wet	29	29	100	0.05	0.218	0.0928	0.0769	0.154 J	0.05	0.218	0.0928	0.0769	0.154 J
Chromium	mg/kg-Wet	29	29	100	0.4	1.05 T	0.648	0.63	0.92	0.4	1.05 T	0.648	0.63	0.92
Copper	mg/kg-Wet	29	29	100	6.85	13.5	9.66	9.41	11.6	6.85	13.5	9.66	9.41	11.6
Lead	mg/kg-Wet	29	29	100	0.041 T	0.316	0.099	0.0731	0.192	0.041 T	0.316	0.099	0.0731	0.192
Manganese	mg/kg-Wet	3	3	100	4.17 T	7.55	5.55	4.93	4.93	4.17 T	7.55	5.55	4.93	4.93
Mercury	mg/kg-Wet	26	26	100	0.005 JT	0.016 J	0.0096	0.009 J	0.012	0.005 JT	0.016 J	0.0096	0.009 J	0.012
Nickel	mg/kg-Wet	29	29	100	0.16 T	0.485 J	0.324	0.313 J	0.441 J	0.16 T	0.485 J	0.324	0.313 J	0.441 J
Selenium	mg/kg-Wet	29	27	93.1	0.069	0.21	0.119	0.105	0.174	0.069	0.21	0.114	0.1 T	0.174
Silver	mg/kg-Wet	29	29	100	0.025 T	0.101	0.0561	0.0535	0.0792 T	0.025 T	0.101	0.0561	0.0535	0.0792 T
Thallium	mg/kg-Wet	3	3	100	0.00035 JT	0.0007 J	0.000483	0.0004 J	0.0004 J	0.00035 JT	0.0007 J	0.000483	0.0004 J	0.0004 J
Zinc	mg/kg-Wet	29	29	100	21.4	54	35.1	35.6	46.9	21.4	54	35.1	35.6	46.9
PAHs														
2-Methylnaphthalene	ug/kg-Wet	30	27	90	1.3	22	3.3	1.8	3.3	1.3	33 UT	4.57	1.9	16.5 UT
Acenaphthene	ug/kg-Wet	30	26	86.7	0.22 JT	61	5.36	1.3	21	0.091 U	61	6.73	1.3	21
Acenaphthylene	ug/kg-Wet	30	25	83.3	0.28 JT	14	2.7	1.5	4.6	0.092 U	33 UT	3.85	1.5	15.5 UT
Anthracene	ug/kg-Wet	30	27	90	1.2	78	11.8	5.6	30	1.2	78	12.2	5.6	30
Benzo(a)anthracene	ug/kg-Wet	30	28	93.3	2.95 T	670	81.5	22	160	2.95 T	670	77.2	20	160
Benzo(a)pyrene	ug/kg-Wet	30	27	90	1.4 T	490	43.9	5	60	1.4 T	490	41.2	7	60
Benzo(b)fluoranthene	ug/kg-Wet	30	27	90	0.955 T	460	45.7	8.8	67	0.955 T	460	42.7	9.5	67
Benzo(g,h,i)perylene	ug/kg-Wet	30	27	90	0.485 JT	230	20.9	3.1	23	0.485 JT	230	23.4	3.2	80 UT
Benzo(k)fluoranthene	ug/kg-Wet	30	27	90	0.47 JT	310	29	5.3	43	0.47 JT	310	27.7	5.4	43
Chrysene	ug/kg-Wet	30	28	93.3	5.1 T	560	82.4	39	150	5.1 T	560	78	34	150
Dibenzo(a,h)anthracene	ug/kg-Wet	30	9	30	0.5 J	43	10.7	2.8 T	37	0.11 U	43	4.86	0.11 U	16.5 UT
Fluoranthene	ug/kg-Wet	30	30	100	7.85 T	770	117	55 T	250	7.85 T	770	117	55 T	250
Fluorene	ug/kg-Wet	30	27	90	0.965 T	36	5.5	3	16	0.965 T	36	6.55	3.1	16.5 UT
High Molecular Weight PAH	ug/kg-Wet	30	30	100	26.1 JT	4450 T	537	193 T	1060 T	26.1 JT	4450 T	537	193 T	1060 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	30	19	63.3	0.9	170	21.2	3.1	160	0.16 U	170	15.1	2.5	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	30	27	90	8.12 JT	542 T	73.4	32 T	240 T	8.12 JT	542 T	68.1	29.6 T	240 T
Naphthalene	ug/kg-Wet	30	4	13.3	2.6	33	11.9	3	9	0.97 UT	33 UT	3.82	0.85 U	16 UT
Phenanthrene	ug/kg-Wet	30	27	90	4.1 T	300	43.4	18	160	4.1 T	300	40.7	16 UT	160
Pyrene	ug/kg-Wet	30	30	100	6.9 T	850	125	56	280	6.9 T	850	125	56	280
Total PAHs	ug/kg-Wet	30	30	100	34.2 JT	4980 T	603	218 T	1180 T	34.2 JT	4980 T	603	218 T	1180 T
PCB_Congeners														
PCB001	ug/kg-Wet	24	24	100	0.00225	0.0916	0.0162	0.00761	0.0436 J	0.00225	0.0916	0.0162	0.00761	0.0436 J
PCB002	ug/kg-Wet	26	25	96.2	0.00127	0.00662 J	0.00253	0.0023 J	0.00438	0.00127	0.00662 J	0.00246	0.00218	0.00438
PCB003	ug/kg-Wet	26	20	76.9	0.0013	0.0414 J	0.00578	0.00268	0.0111	0.00127 U	0.0414 J	0.00468	0.00203	0.011
PCB004	ug/kg-Wet	26	26	100	0.189 J	47 J	3.06	0.598	8.06 JT	0.189 J	47 J	3.06	0.598	8.06 JT
PCB005	ug/kg-Wet	29	24	82.8	0.000675	0.0369 J	0.00626	0.0019 J	0.0216	0.000675	0.0369 J	0.00558	0.00182	0.0216
PCB006	ug/kg-Wet	29	29	100	0.0143	0.698 J	0.133	0.0488 J	0.451 J	0.0143	0.698 J	0.133	0.0488 J	0.451 J
PCB007	ug/kg-Wet	29	28	96.6	0.000979 J	0.0515 J	0.00815	0.00273	0.0202	0.000896 UJ	0.0515 J	0.00788	0.00273	0.0202
PCB008	ug/kg-Wet	29	29	100	0.0278 J	1.9 J	0.333	0.105 J	1.21 T	0.0278 J	1.9 J	0.333	0.105 J	1.21 T
PCB009	ug/kg-Wet	29	29	100	0.00104 J	0.0835 J	0.0131	0.00348 JT	0.0473 J	0.00104 J	0.0835 J	0.0131	0.00348 JT	0.0473 J
PCB010	ug/kg-Wet	29	29	100	0.000939 J	0.709 J	0.0364	0.006	0.0393 J	0.000939 J	0.709 J	0.0364	0.006	0.0393 J
PCB011	ug/kg-Wet	29	29	100	0.148 J	0.76	0.383	0.351	0.587	0.148 J	0.76	0.383	0.351	0.587
PCB012 & 013	ug/kg-Wet	29	29	100	0.00644	0.492 J	0.0493	0.0182	0.118 T	0.00644	0.492 J	0.0493	0.0182	0.118 T
PCB014	ug/kg-Wet	29	0	0						0.000688 U	0.0184 UJ	0.000716	0.000375 UT	0.000715 UJ
PCB015	ug/kg-Wet	29	29	100	0.0217 T	1.04	0.186	0.0646 J	0.671 J	0.0217 T	1.04	0.186	0.0646 J	0.671 J
PCB016	ug/kg-Wet	29	29	100	0.0858 J	5.57	0.702	0.267 J	2.27	0.0858 J	5.57	0.702	0.267 J	2.27
PCB017	ug/kg-Wet	29	29	100	0.128 J	20.4	1.72	0.552	2.65	0.128 J	20.4	1.72	0.552	2.65
PCB018 & 030	ug/kg-Wet	29	29	100	0.183 J	11.9	1.6	0.644	4.58	0.183 J	11.9	1.6	0.644	4.58
PCB019	ug/kg-Wet	28	28	100	0.192 J	57.3	2.72	0.447	1.58 J	0.192 J	57.3	2.72	0.447	1.58 J
PCB020 & 028	ug/kg-Wet	29	29	100	0.285 JT	11.2	1.87	0.75	7.81 T	0.285 JT	11.2	1.87	0.75	7.81 T
PCB021 & 033	ug/kg-Wet	29	29	100	0.116 J	5.45	0.874	0.314	3.42 T	0.116 J	5.45	0.874	0.314	3.42 T
PCB022	ug/kg-Wet	29	29	100	0.133 J	6.49	0.89	0.38	2.96 T	0.133 J	6.49	0.89	0.38	2.96 T
PCB023	ug/kg-Wet	29	17	58.6	0.000234 J	0.00985	0.00245	0.00106	0.00821	0.000221 UJ	0.013 UJ	0.00179	0.0004115 UJ	0.0075 T
PCB024	ug/kg-Wet	29	12	41.4	0.00153	0.0478	0.0136	0.00599	0.0445 JT	0.000688 U	0.0478	0.00583	0.0003745 UJ	0.016 J
PCB025	ug/kg-Wet	29	29	100	0.0411 J	2.61	0.281	0.114	0.699	0.0411 J	2.61	0.281	0.114	0.699
PCB026 & 029	ug/kg-Wet	29	29	100	0.0553 J	1.84	0.354	0.141 J	1.37 T	0.0553 J	1.84	0.354	0.141 J	1.37 T
PCB027	ug/kg-Wet	29	29	100	0.051 J	22.1	1.1	0.227	1.04 T	0.051 J	22.1	1.1	0.227	1.04 T
PCB031	ug/kg-Wet	29	29	100	0.207 JT	9.64	1.45	0.497	6.11 T	0.207 JT	9.64	1.45	0.497	6.11 T
PCB032	ug/kg-Wet	29	29	100	0.0423 J	2.62	0.467	0.176 J	1.45 T	0.0423 J	2.62	0.467	0.176 J	1.45 T

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB034	ug/kg-Wet	29	29	100	0.00132	0.0572	0.00816	0.0039	0.0239 T	0.00132	0.0572	0.00816	0.0039	0.0239 T
PCB035	ug/kg-Wet	29	29	100	0.00759 T	0.15	0.0278	0.0136	0.0997	0.00759 T	0.15	0.0278	0.0136	0.0997
PCB036	ug/kg-Wet	29	24	82.8	0.00124	0.00541 J	0.00264	0.00238	0.00379 J	0.000827 U	0.0117 UJ	0.00253	0.00233	0.00383
PCB037	ug/kg-Wet	29	29	100	0.0676 T	2.5	0.449	0.176	1.84 T	0.0676 T	2.5	0.449	0.176	1.84 T
PCB038	ug/kg-Wet	29	25	86.2	0.00106 T	0.11	0.00869	0.00282	0.015	0.000561 U	0.11	0.00764	0.00267 J	0.015
PCB039	ug/kg-Wet	29	29	100	0.00482 T	0.149	0.0246	0.0137	0.0712	0.00482 T	0.149	0.0246	0.0137	0.0712
PCB040 & 041 & 071	ug/kg-Wet	29	29	100	0.42	11.2	2.06	1.02	5.69 T	0.42	11.2	2.06	1.02	5.69 T
PCB042	ug/kg-Wet	29	29	100	0.354	7.61	1.69	0.855	4.98 T	0.354	7.61	1.69	0.855	4.98 T
PCB043	ug/kg-Wet	29	29	100	0.0125 JT	1.09	0.132	0.055	0.387	0.0125 JT	1.09	0.132	0.055	0.387
PCB044 & 047 & 065	ug/kg-Wet	29	29	100	1.5	90.4	9.04	3.83	21.1	1.5	90.4	9.04	3.83	21.1
PCB045 & 051	ug/kg-Wet	29	29	100	0.186	38.3	2.23	0.594	2.73	0.186	38.3	2.23	0.594	2.73
PCB046	ug/kg-Wet	29	29	100	0.0214	0.968	0.136	0.0623 J	0.414	0.0214	0.968	0.136	0.0623 J	0.414
PCB048	ug/kg-Wet	29	29	100	0.152 T	4.7	0.754	0.403	2.39 T	0.152 T	4.7	0.754	0.403	2.39 T
PCB049 & 069	ug/kg-Wet	29	29	100	0.552	25.1	3.18	1.49 JT	6.45 T	0.552	25.1	3.18	1.49 JT	6.45 T
PCB050 & 053	ug/kg-Wet	29	29	100	0.355 J	56.7	3.19	0.917	2.88	0.355 J	56.7	3.19	0.917	2.88
PCB052	ug/kg-Wet	29	29	100	0.836	19.8	4.16	2.06	14 T	0.836	19.8	4.16	2.06	14 T
PCB054	ug/kg-Wet	29	29	100	0.0304	8.72	0.389	0.0557	0.365 JT	0.0304	8.72	0.389	0.0557	0.365 JT
PCB055	ug/kg-Wet	29	19	65.5	0.00832	0.11	0.0327	0.0177	0.0946 JT	0.00186 U	0.11	0.0218	0.014	0.0933
PCB056	ug/kg-Wet	29	29	100	0.232 T	7.7	1.27	0.746 J	3.26 T	0.232 T	7.7	1.27	0.746 J	3.26 T
PCB057	ug/kg-Wet	29	29	100	0.00297	0.553	0.0357	0.01	0.0625	0.00297	0.553	0.0357	0.01	0.0625
PCB058	ug/kg-Wet	29	15	51.7	0.00308	0.0443	0.0131	0.00805	0.0398 T	0.00158 U	0.0443	0.00775	0.00363	0.0203
PCB059 & 062 & 075	ug/kg-Wet	29	29	100	0.0907	6.9	0.607	0.221	1.46 T	0.0907	6.9	0.607	0.221	1.46 T
PCB060	ug/kg-Wet	29	29	100	0.0991 T	3.13	0.519	0.283 J	1.51	0.0991 T	3.13	0.519	0.283 J	1.51
PCB061 & 070 & 074 & 076	ug/kg-Wet	29	29	100	1.07 T	29	4.98	3.12 J	16.3 T	1.07 T	29	4.98	3.12 J	16.3 T
PCB063	ug/kg-Wet	29	29	100	0.0273 JT	0.733	0.137	0.082	0.366 T	0.0273 JT	0.733	0.137	0.082	0.366 T
PCB064	ug/kg-Wet	29	29	100	0.194 T	5.47	1.09	0.596	4.02	0.194 T	5.47	1.09	0.596	4.02
PCB066	ug/kg-Wet	29	29	100	0.629 T	17.4	3.05	1.83	7.72 T	0.629 T	17.4	3.05	1.83	7.72 T
PCB067	ug/kg-Wet	29	29	100	0.0321	0.879	0.156	0.0811	0.435 T	0.0321	0.879	0.156	0.0811	0.435 T
PCB068	ug/kg-Wet	29	29	100	0.014	1.22	0.0913	0.0354 JT	0.113 J	0.014	1.22	0.0913	0.0354 JT	0.113 J
PCB072	ug/kg-Wet	29	29	100	0.0141	0.373	0.0627	0.0329	0.129	0.0141	0.373	0.0627	0.0329	0.129
PCB073	ug/kg-Wet	29	20	69	0.0101 J	1.97	0.137	0.022	0.18	0.00163 U	1.97	0.0944	0.0143	0.127 J
PCB077	ug/kg-Wet	29	29	100	0.056 JT	1.27	0.225	0.142	0.609 T	0.056 JT	1.27	0.225	0.142	0.609 T
PCB078	ug/kg-Wet	29	0	0						0.00114 U	0.0202 UJ	0.00125	0.00068 UJ	0.00193 U
PCB079	ug/kg-Wet	29	29	100	0.0267	0.512	0.12	0.0743 J	0.308	0.0267	0.512	0.12	0.0743 J	0.308
PCB080	ug/kg-Wet	29	4	13.8	0.000693	0.00146 T	0.000974	0.000694	0.00105	0.000693	0.035 UJ	0.00172	0.001085 U	0.00168 U
PCB081	ug/kg-Wet	29	21	72.4	0.00276	0.0498	0.0106	0.00651	0.0205 T	0.00153 UT	0.0498	0.00845	0.004705 U	0.0205 T
PCB082	ug/kg-Wet	29	29	100	0.108 T	1.93 T	0.451	0.304	1.36	0.108 T	1.93 T	0.451	0.304	1.36
PCB083 & 099	ug/kg-Wet	29	29	100	1.07	53.8	6.21	3	10.3	1.07	53.8	6.21	3	10.3
PCB084	ug/kg-Wet	29	29	100	0.251	5.61	1.21	0.728	2.68	0.251	5.61	1.21	0.728	2.68
PCB085 & 116 & 117	ug/kg-Wet	29	29	100	0.234	3.38 T	0.97	0.649	2.8	0.234	3.38 T	0.97	0.649	2.8
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	29	29	100	1.04	20.5	4.93	2.89	12.7	1.04	20.5	4.93	2.89	12.7
PCB088 & 091	ug/kg-Wet	29	29	100	0.291	13.7	1.63	0.76	3.15	0.291	13.7	1.63	0.76	3.15
PCB089	ug/kg-Wet	29	29	100	0.0111	0.204	0.0515	0.0353	0.167 T	0.0111	0.204	0.0515	0.0353	0.167 T
PCB090 & 101 & 113	ug/kg-Wet	29	29	100	1.8	73.3	10.1	5.05	18	1.8	73.3	10.1	5.05	18
PCB092	ug/kg-Wet	29	29	100	0.385	23.5	2.4	1.05	4.88	0.385	23.5	2.4	1.05	4.88
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	29	29	100	2.03	122	11.4	4.46	17.6	2.03	122	11.4	4.46	17.6
PCB094	ug/kg-Wet	29	29	100	0.028	6.64	0.331	0.0749	0.248	0.028	6.64	0.331	0.0749	0.248
PCB096	ug/kg-Wet	29	29	100	0.0187	1.93	0.135	0.042	0.254	0.0187	1.93	0.135	0.042	0.254
PCB103	ug/kg-Wet	29	29	100	0.0851	6.5	0.463	0.169	0.753	0.0851	6.5	0.463	0.169	0.753
PCB104	ug/kg-Wet	29	29	100	0.011	2.33	0.107	0.0216	0.0818	0.011	2.33	0.107	0.0216	0.0818
PCB105	ug/kg-Wet	29	29	100	0.506	7.19 T	1.73	1.27	4.98	0.506	7.19 T	1.73	1.27	4.98
PCB106	ug/kg-Wet	29	1	3.45	0.088	0.088	0.088	0.088	0.088	0.000683 U	0.088	0.00432	0.001185 UT	0.002435 U
PCB107 & 124	ug/kg-Wet	29	29	100	0.0479	0.898 T	0.192	0.126	0.463	0.0479	0.898 T	0.192	0.126	0.463
PCB109	ug/kg-Wet	29	29	100	0.119	1.73 T	0.502	0.334	1.12	0.119	1.73 T	0.502	0.334	1.12
PCB110 & 115	ug/kg-Wet	29	29	100	1.55	28.2 T	6.73	4.25	13.5	1.55	28.2 T	6.73	4.25	13.5
PCB111	ug/kg-Wet	29	29	100	0.00469	0.357	0.0276	0.0112	0.0456	0.00469	0.357	0.0276	0.0112	0.0456
PCB112	ug/kg-Wet	29	1	3.45	4.75	4.75	4.75	4.75	4.75	0.000598 U	4.75	0.164	0.000486 U	0.002 U
PCB114	ug/kg-Wet	29	29	100	0.0279	0.383 T	0.101	0.0691	0.333	0.0279	0.383 T	0.101	0.0691	0.333
PCB118	ug/kg-Wet	29	29	100	1.9	32.7 T	7.62	4.66	18.9	1.9	32.7 T	7.62	4.66	18.9
PCB120	ug/kg-Wet	29	29	100	0.0165	0.854	0.0956	0.0447	0.192	0.0165	0.854	0.0956	0.0447	0.192
PCB121	ug/kg-Wet	29	29	100	0.00908	0.879	0.0492	0.0139	0.0644	0.00908	0.879	0.0492	0.0139	0.0644
PCB122	ug/kg-Wet	29	29	100	0.0144	0.231 T	0.0554	0.0369	0.161	0.0144	0.231 T	0.0554	0.0369	0.161
PCB123	ug/kg-Wet	29	29	100	0.0318	0.519	0.135	0.0885	0.326	0.0318	0.519	0.135	0.0885	0.326
PCB126	ug/kg-Wet	29	28	96.6	0.00404	0.0389 T	0.0128	0.00999	0.0268	0.00404	0.0777 U	0.0137	0.0109	0.027
PCB127	ug/kg-Wet	29	23	79.3	0.00194	0.0565	0.00851	0.00528	0.0098	0.00194	0.0565	0.00714	0.00448	0.0098
PCB128 & 166	ug/kg-Wet	29	29	100	0.291	7.44	1.17	0.695	1.98	0.291	7.44	1.17	0.695	1.98
PCB129 & 138 & 160 & 163	ug/kg-Wet	29	29	100	3.87	226	19.8	8.31	33.3 T	3.87	226	19.8	8.31	33.3 T
PCB130	ug/kg-Wet	29	29	100	0.187	6.17	0.798	0.386	1.72	0.187	6.17	0.798	0.386	1.72
PCB131	ug/kg-Wet	29	29	100	0.0303	1.14	0.156	0.074	0.288	0.0303	1.14	0.156	0.074	0.288
PCB132	ug/kg-Wet	29	29	100	0.725	29.7	3.69	1.7	7.86	0.725	29.7	3.69	1.7	7.86
PCB133	ug/kg-Wet	29	29	100	0.107	6.58	0.531	0.208	0.943	0.107	6.58	0.531	0.208	0.943
PCB134 & 143	ug/kg-Wet	29	29	100	0.16	11.2	0.93	0.385	1.64	0.16	11.2	0.93	0.385	1.64
PCB135 & 151 & 154	ug/kg-Wet	29	29	100	1.62	110	9.82	3.52	23.7	1.62	110	9.82	3.52	23.7
PCB136	ug/kg-Wet	29	29	100	0.416	22.2	2.09	0.862	4.77	0.416	22.2	2.09	0.862	4.77
PCB137	ug/kg-Wet	29	28	96.6	0.0408	1.22	0.204	0.116	0.304	0.0408	1.22	0.198	0.116	0.304
PCB139 & 140	ug/kg-Wet	29	29	100	0.0459	1.46	0.215	0.108	0.458	0.0459	1.46	0.215	0.108	0.458

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB141	ug/kg-Wet	29	29	100	0.108	7.57	0.717	0.265	1.39	0.108	7.57	0.717	0.265	1.39
PCB142	ug/kg-Wet	29	7	24.1	0.000711	0.00567	0.0023	0.00151	0.00451 JT	0.000594 U	0.0776 U	0.00424	0.001295 U	0.0133 U
PCB144	ug/kg-Wet	29	29	100	0.149	10.1	0.894	0.35	1.72	0.149	10.1	0.894	0.35	1.72
PCB145	ug/kg-Wet	29	24	82.8	0.000755	0.0616	0.00483	0.00164	0.00562	0.000755	0.0616	0.00448	0.00164	0.00767 T
PCB146	ug/kg-Wet	29	29	100	0.817	43.3	4.24	1.73	9.35	0.817	43.3	4.24	1.73	9.35
PCB147 & 149	ug/kg-Wet	29	29	100	2.86	179	16.7	6.29	39.3	2.86	179	16.7	6.29	39.3
PCB148	ug/kg-Wet	29	29	100	0.0312	2.22	0.163	0.0594 T	0.333	0.0312	2.22	0.163	0.0594 T	0.333
PCB150	ug/kg-Wet	29	29	100	0.0262	1.31	0.114	0.0395	0.326	0.0262	1.31	0.114	0.0395	0.326
PCB152	ug/kg-Wet	29	29	100	0.00779	1.39	0.0762	0.0186	0.103	0.00779	1.39	0.0762	0.0186	0.103
PCB153 & 168	ug/kg-Wet	29	29	100	7.58	561	40.4	16.7	57.1	7.58	561	40.4	16.7	57.1
PCB155	ug/kg-Wet	29	29	100	0.00404	0.477	0.0248	0.00741	0.0233	0.00404	0.477	0.0248	0.00741	0.0233
PCB156 & 157	ug/kg-Wet	29	29	100	0.154	9.21	0.928	0.432	1.39	0.154	9.21	0.928	0.432	1.39
PCB158	ug/kg-Wet	29	29	100	0.316	15.2	1.53	0.653	3.11 T	0.316	15.2	1.53	0.653	3.11 T
PCB159	ug/kg-Wet	29	28	96.6	0.0105	0.965	0.076	0.0241	0.135	0.0105	0.965	0.0737	0.0241	0.135
PCB161	ug/kg-Wet	29	0	0						0.000633 U	0.0554 U	0.00267	0.000605 U	0.0095 U
PCB162	ug/kg-Wet	29	27	93.1	0.00557	0.0751 T	0.0192	0.0134	0.0375	0.00557	0.0751 T	0.0196	0.0143	0.0375
PCB164	ug/kg-Wet	29	29	100	0.148	8.55	0.848	0.338	1.72	0.148	8.55	0.848	0.338	1.72
PCB165	ug/kg-Wet	29	29	100	0.0099	0.766	0.0483	0.0165	0.0796	0.0099	0.766	0.0483	0.0165	0.0796
PCB167	ug/kg-Wet	29	29	100	0.22	9.09	0.931	0.481	1.25	0.22	9.09	0.931	0.481	1.25
PCB169	ug/kg-Wet	29	1	3.45	0.00357	0.00357	0.00357	0.00357	0.00357	0.00247 U	0.23 U	0.0083	0.00311 U	0.01285 U
PCB170	ug/kg-Wet	29	29	100	0.151	18.4	1.38	0.437	2.56	0.151	18.4	1.38	0.437	2.56
PCB171 & 173	ug/kg-Wet	29	29	100	0.241	26.2	1.81	0.569	3.17	0.241	26.2	1.81	0.569	3.17
PCB172	ug/kg-Wet	29	29	100	0.0192	2.42	0.182	0.0571	0.315	0.0192	2.42	0.182	0.0571	0.315
PCB174	ug/kg-Wet	29	29	100	0.223	17.7	1.51	0.56	2.98	0.223	17.7	1.51	0.56	2.98
PCB175	ug/kg-Wet	29	29	100	0.0456	4.97	0.326	0.102	0.529	0.0456	4.97	0.326	0.102	0.529
PCB176	ug/kg-Wet	29	29	100	0.144	12.3	0.91	0.314	1.64	0.144	12.3	0.91	0.314	1.64
PCB177	ug/kg-Wet	29	29	100	0.543	52.4	3.74	1.32	5.95	0.543	52.4	3.74	1.32	5.95
PCB178	ug/kg-Wet	29	29	100	0.367	25.9	1.93	0.732	3.25	0.367	25.9	1.93	0.732	3.25
PCB179	ug/kg-Wet	29	29	100	0.515	41.9	3.11	1.11	5.49	0.515	41.9	3.11	1.11	5.49
PCB180 & 193	ug/kg-Wet	29	29	100	1.03	89.4	6.85	2.87	11.6	1.03	89.4	6.85	2.87	11.6
PCB181	ug/kg-Wet	29	29	100	0.00386	0.475	0.0354	0.015	0.0451	0.00386	0.475	0.0354	0.015	0.0451
PCB182	ug/kg-Wet	29	27	93.1	0.00395	0.268	0.0227	0.00832 JT	0.0448	0.00245 U	0.268	0.0213	0.00787	0.0448
PCB183 & 185	ug/kg-Wet	29	29	100	0.667	64.4	4.61	1.56	8.25	0.667	64.4	4.61	1.56	8.25
PCB184	ug/kg-Wet	29	28	96.6	0.00288	0.0594	0.00665	0.00428	0.00898	0.00288	0.0594	0.00649	0.00428	0.00898
PCB186	ug/kg-Wet	29	5	17.2	0.000172 J	0.00128	0.000533	0.000313 J	0.000677 T	0.000157 U	0.0107 U	0.000563	0.000324 U	0.00128
PCB187	ug/kg-Wet	29	29	100	1.84	105	9.1	4.05	13.8	1.84	105	9.1	4.05	13.8
PCB188	ug/kg-Wet	29	29	100	0.00723	0.433	0.0324	0.0124	0.0578	0.00723	0.433	0.0324	0.0124	0.0578
PCB189	ug/kg-Wet	29	29	100	0.00505	0.736	0.05	0.0149	0.0898	0.00505	0.736	0.05	0.0149	0.0898
PCB190	ug/kg-Wet	29	29	100	0.155	18.5	1.2	0.368	1.83	0.155	18.5	1.2	0.368	1.83
PCB191	ug/kg-Wet	29	29	100	0.022	3.06	0.196	0.0574	0.32	0.022	3.06	0.196	0.0574	0.32
PCB192	ug/kg-Wet	29	0	0						0.0014 U	0.0248 U	0.00118	0.000755 U	0.00096 U
PCB194	ug/kg-Wet	29	29	100	0.0201	2.49	0.187	0.0635	0.323	0.0201	2.49	0.187	0.0635	0.323
PCB195	ug/kg-Wet	29	29	100	0.089	10.1	0.649	0.203	0.895	0.089	10.1	0.649	0.203	0.895
PCB196	ug/kg-Wet	29	29	100	0.0547	6.87	0.449	0.143	0.69	0.0547	6.87	0.449	0.143	0.69
PCB197 & 200	ug/kg-Wet	29	29	100	0.0339	4.13	0.267	0.0788	0.369	0.0339	4.13	0.267	0.0788	0.369
PCB198 & 199	ug/kg-Wet	29	29	100	0.114	10.1	0.776	0.287	1.12	0.114	10.1	0.776	0.287	1.12
PCB201	ug/kg-Wet	29	29	100	0.0642	7.3	0.458	0.149	0.571	0.0642	7.3	0.458	0.149	0.571
PCB202	ug/kg-Wet	29	29	100	0.151	8.04	0.709	0.33	0.887	0.151	8.04	0.709	0.33	0.887
PCB203	ug/kg-Wet	29	29	100	0.237	20	1.45	0.576	1.99	0.237	20	1.45	0.576	1.99
PCB204	ug/kg-Wet	29	19	65.5	0.000228 J	0.00592	0.000794	0.000435 J	0.00156	0.000177 U	0.03 U	0.0011	0.000404 J	0.00156
PCB205	ug/kg-Wet	29	29	100	0.0135	1.71	0.103	0.0301	0.129	0.0135	1.71	0.103	0.0301	0.129
PCB206	ug/kg-Wet	29	29	100	0.034	1.66	0.177	0.0916	0.298	0.034	1.66	0.177	0.0916	0.298
PCB207	ug/kg-Wet	29	29	100	0.00706	0.396	0.0361	0.017	0.0585	0.00706	0.396	0.0361	0.017	0.0585
PCB208	ug/kg-Wet	29	29	100	0.0156	0.4	0.0731	0.0419	0.128 T	0.0156	0.4	0.0731	0.0419	0.128 T
PCB209	ug/kg-Wet	29	29	100	0.0219	0.534	0.0673	0.0483	0.0852	0.0219	0.534	0.0673	0.0483	0.0852
Total PCB Congeners	ug/kg-Wet	29	29	100	50.1	2660	265	111	459	50.1	2660	265	111	459
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	29	29	100	0.399 J	49.3 J	3.89	1.16	8.75 JT	0.399 J	49.3 J	3.89	1.16	8.75 JT
Heptachlorobiphenyl homologs	ug/kg-Wet	29	29	100	5.98	485	37	14.3	62	5.98	485	37	14.3	62
Hexachlorobiphenyl homologs	ug/kg-Wet	29	29	100	19.9	1270	107	44.4	191	19.9	1270	107	44.4	191
Monochlorobiphenyl homologs	ug/kg-Wet	26	26	100	0.00348 J	0.116 J	0.0219	0.01	0.0508 J	0.00348 J	0.116 J	0.0219	0.01	0.0508 J
Nonachlorobiphenyl homologs	ug/kg-Wet	29	29	100	0.0567	2.45	0.286	0.151	0.469 T	0.0567	2.45	0.286	0.151	0.469 T
Octachlorobiphenyl homologs	ug/kg-Wet	29	29	100	0.777	70.8	5.05	1.87	6.94	0.777	70.8	5.05	1.87	6.94
Pentachlorobiphenyl homologs	ug/kg-Wet	29	29	100	11.6	382	57.8	29.7	103	11.6	382	57.8	29.7	103
Tetrachlorobiphenyl homologs	ug/kg-Wet	29	29	100	7.47	279	39.4	19.9	105	7.47	279	39.4	19.9	105
Trichlorobiphenyl homologs	ug/kg-Wet	29	29	100	1.63 J	114	14.5	5.18	42.9	1.63 J	114	14.5	5.18	42.9
Pesticides														
2,4'-DDD	ug/kg-Wet	32	32	100	0.394	82 T	7.69	2.14	26.8	0.394	82 T	7.69	2.14	26.8
2,4'-DDE	ug/kg-Wet	32	31	96.9	0.0978 J	12.5 JT	1.31	0.469	3.37	0.0978 J	12.5 JT	1.29	0.469	3.37
2,4'-DDT	ug/kg-Wet	32	31	96.9	0.167 J	39 T	3.15	0.558	12.2	0.167 J	39 T	3.12	0.558	12.2
4,4'-DDD	ug/kg-Wet	32	32	100	1.76	160 T	21	8.04	88.8	1.76	160 T	21	8.04	88.8
4,4'-DDE	ug/kg-Wet	32	32	100	4.79	94.5 T	18.6	12.5	56.7	4.79	94.5 T	18.6	12.5	56.7
4,4'-DDT	ug/kg-Wet	32	31	96.9	0.611	75 T	7.42	1.6	32.2	0.611	75 T	7.32	1.6	32.2
Aldrin	ug/kg-Wet	32	29	90.6	0.126 JT	5.07	0.419	0.224 J	0.399	0.126 JT	5.07	0.428	0.243	0.528
alpha-Endosulfan	ug/kg-Wet	32	28	87.5	0.0878 J	0.244	0.154	0.152 J	0.223	0.0878 J	1 U	0.189	0.153 J	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	32	13	40.6	0.00569 JT	0.0205 J	0.0124	0.0128 J	0.0189 J	0.00569 JT	1.06 U	0.0737	0.01005 U	0.5 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
beta-Endosulfan	ug/kg-Wet	32	28	87.5	0.128 JT	0.262	0.184	0.173 J	0.252	0.128 JT	2.1 UT	0.235	0.182 J	0.5 U
beta-Hexachlorocyclohexane	ug/kg-Wet	32	1	3.13	1.2 NJ	1.2 NJ	1.2	1.2 NJ	1.2 NJ	0.00418 U	8.5 UT	0.215	0.02115 U	0.5 UJ
Chlordane (cis & trans)	ug/kg-Wet	29	29	100	1.18 JT	10.7 T	2.3	1.7 T	3.39 T	1.18 JT	10.7 T	2.3	1.7 T	3.39 T
cis-Chlordane	ug/kg-Wet	32	30	93.8	0.671	5.12	1.3	0.973	2.2 N	0.671	5.12	1.25	0.959	2.2 N
cis-Nonachlor	ug/kg-Wet	32	29	90.6	0.284 J	1.08	0.495	0.437 J	0.759	0.284 J	12 U	0.766	0.443 J	1.08
delta-Hexachlorocyclohexane	ug/kg-Wet	32	7	21.9	0.00102 JT	0.00425 J	0.00208	0.00142 J	0.00401 J	0.000983 U	1 UT	0.0535	0.00102 JT	0.5 U
Dieldrin	ug/kg-Wet	32	29	90.6	0.566	2.62	0.926	0.87	1.19	0.566	2.62	0.886	0.861	1.19
Endosulfan sulfate	ug/kg-Wet	32	29	90.6	0.486 T	1	0.705	0.711	0.895	0.486 T	1 UJT	0.686	0.686	0.895
Endrin aldehyde	ug/kg-Wet	32	1	3.13	0.39 J	0.39 J	0.39	0.39 J	0.39 J	0.015 U	1 UJT	0.0572	0.00965 U	0.39 J
Endrin ketone	ug/kg-Wet	32	12	37.5	0.00183 JT	0.0136 J	0.00457	0.00329 J	0.00855 J	0.00127 U	1 UT	0.062	0.00324 J	0.5 U
Endrin	ug/kg-Wet	32	16	50	0.00549 J	0.0635 J	0.0202	0.0101 JT	0.0545 J	0.00315 U	2.4 UT	0.0815	0.00817 J	0.5 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	32	26	81.3	0.0332 J	0.0837 J	0.0629	0.0653 J	0.0784 J	0.0332 J	1 UT	0.108	0.0657 J	0.5 U
Heptachlor epoxide	ug/kg-Wet	32	30	93.8	0.0373 J	2.1 N	0.172	0.061 J	0.11 J	0.0373 J	8 UT	0.287	0.061 J	1.3 NJ
Heptachlor	ug/kg-Wet	32	17	53.1	0.00831 J	0.419 J	0.0447	0.0162 J	0.0533 J	0.00831 J	1 UT	0.0743	0.0126 J	0.5 U
Methoxychlor	ug/kg-Wet	32	2	6.25	0.0937 J	0.323	0.208	0.0937 J	0.0937 J	0.0135 U	1.6 UJ	0.0796	0.0103 U	0.5 UJ
Mirex	ug/kg-Wet	3	0	0						1 U	1 UT	0.5	0.5 U	0.5 U
Oxychlordane	ug/kg-Wet	32	24	75	0.0447 JT	0.105 J	0.0721	0.0628 J	0.101 J	0.0447 JT	1.13 U	0.123	0.0628 J	0.5 U
Total Chlordanes	ug/kg-Wet	32	32	100	1.1 JT	16 JT	4.13	3.32 JT	6.31 JT	1.1 JT	16 JT	4.13	3.32 JT	6.31 JT
Total Endosulfan	ug/kg-Wet	32	29	90.6	0.741 JT	1.47 T	1.03	1.03 JT	1.35 T	0.741 JT	2.1 UT	1	0.996 JT	1.35 T
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	32	32	100	7.82 JT	463 JT	58.8	23.6 T	181 T	7.82 JT	463 JT	58.8	23.6 T	181 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	32	32	100	2.15 T	242 T	28.7	10.2 T	116 T	2.15 T	242 T	28.7	10.2 T	116 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	32	32	100	4.89 JT	107 JT	19.9	12.8 T	63.2 T	4.89 JT	107 JT	19.9	12.8 T	63.2 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	32	31	96.9	0.778 JT	114 T	10.6	2.2 T	44.4 T	0.778 JT	114 T	10.4	2.2 T	44.4 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	32	32	100	7.16 T	330 T	46.8	21.2 T	144 T	7.16 T	330 T	46.8	21.2 T	144 T
Toxaphene	ug/kg-Wet	3	0	0						50 U	140 U	53.3	65 U	65 U
trans-Chlordane	ug/kg-Wet	32	31	96.9	0.485 JT	5.57	1.05	0.709	1.8 NJ	0.485 JT	5.57	1.04	0.709	1.8 NJ
trans-Nonachlor	ug/kg-Wet	32	30	93.8	0.873	4.15	1.48	1.21	2.7 NJ	0.873	4.15	1.42	1.2	2.7 NJ
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	3	0	0						1600 U	1600 U	800	800 UT	800 UT
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	3	0	0						1600 U	1600 U	800	800 UT	800 UT
2,4,5-Trichlorophenol	ug/kg-Wet	3	0	0						780 U	820 U	402	405 UT	405 UT
2,4,6-Trichlorophenol	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
2,4-Dichlorophenol	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
2,4-Dimethylphenol	ug/kg-Wet	29	0	0						13 U	490 UT	33	6.5 U	235 U
2,4-Dinitrophenol	ug/kg-Wet	3	0	0						3100 U	3300 U	1600	1600 U	1600 U
2-Chlorophenol	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
2-Methylphenol	ug/kg-Wet	29	0	0						53 U	160 U	41.4	26.5 U	80 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	3	0	0						3100 U	3300 U	1600	1600 UT	1600 UT
4-Chloro-3-methylphenol	ug/kg-Wet	3	0	0						310 U	330 U	160	160 UT	160 UT
4-Methylphenol	ug/kg-Wet	29	0	0						15 U	40 U	10.9	7.5 U	16 UT
4-Nitrophenol	ug/kg-Wet	3	0	0						1600 U	1600 U	800	800 UT	800 UT
Pentachlorophenol	ug/kg-Wet	3	0	0						160 UT	160 UT	80	80 UT	80 UT
Phenol	ug/kg-Wet	29	1	3.45	2600 T	2600 T	2600	2600 T	2600 T	17 U	2600 T	111	8.5 U	155 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	29	2	6.9	120 J	140 J	130	120 J	120 J	53 U	340 UT	49.2	26.5 U	120 J
Butylbenzyl phthalate	ug/kg-Wet	29	0	0						14 U	330 U	25.2	7 U	155 U
Dibutyl phthalate	ug/kg-Wet	29	1	3.45	1300	1300	1300	1300	1300	16 U	1300	77.9	8 U	240 U
Diethyl phthalate	ug/kg-Wet	29	0	0						11 UT	160 U	17	8.5 U	80 U
Dimethyl phthalate	ug/kg-Wet	29	0	0						5.1 U	160 U	11.5	2.55 U	80 U
Di-n-octyl phthalate	ug/kg-Wet	29	0	0						13 U	640 U	40.2	6.5 U	200 UT
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	29	0	0						9.9 U	33 UT	7.78	4.95 U	15.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	29	0	0						12 UJ	33 UT	9.07	6 UJ	16 UJ
1,2-Diphenylhydrazine	ug/kg-Wet	3	0	0						31 U	33 U	16	16 U	16 U
1,3-Dichlorobenzene	ug/kg-Wet	29	0	0						11 UJ	33 UT	8.45	5.5 UJ	15.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	29	0	0						11 UJ	33 UT	8.45	5.5 UJ	15.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	3	0	0						62 UT	74 UT	33.5	32.5 UT	32.5 UT
2,6-Dinitrotoluene	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
2-Chloronaphthalene	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
2-Nitroaniline	ug/kg-Wet	3	0	0						780 U	820 U	402	405 UT	405 UT
3,3'-Dichlorobenzidine	ug/kg-Wet	3	0	0						1600 U	1600 U	800	800 UT	800 UT
3-Nitroaniline	ug/kg-Wet	3	0	0						780 U	820 U	402	405 UT	405 UT
4-Bromophenyl phenyl ether	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
4-Chloroaniline	ug/kg-Wet	3	0	0						160 UT	160 UT	80	80 UT	80 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	3	0	0						78 UT	82 UT	40.2	40.5 UT	40.5 UT
4-Nitroaniline	ug/kg-Wet	3	0	0						780 U	820 U	402	405 UT	405 UT
Azobenzene	ug/kg-Wet	3	0	0						160 U	160 U	80	80 UT	80 UT
Benzyl alcohol	ug/kg-Wet	29	25	86.2	8.6 J	1300 T	81	17 J	110 J	6.7 U	1300 T	81.2	17 J	155 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	3	0	0						160 U	160 U	80	80 UT	80 UT
Bis(2-chloroethoxy) methane	ug/kg-Wet	3	0	0						160 U	160 U	80	80 UT	80 UT
Bis(2-chloroethyl) ether	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
Carbazole	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
Dibenzofuran	ug/kg-Wet	30	24	80	0.46 J	17	2.1	1.2	2.5	0.071 U	33 UT	3.28	1.2	16 UT
Hexachlorobenzene	ug/kg-Wet	33	29	87.9	0.373	1.07	0.61	0.624	0.839 J	0.373	12 U	0.851	0.629	1.07
Hexachlorobutadiene	ug/kg-Wet	29	2	6.9	0.00344 JT	0.025 J	0.0142	0.00344 JT	0.00344 JT	0.00344 JT	23 U	4.58	4.25 U	8.5 U
Hexachlorocyclopentadiene	ug/kg-Wet	3	0	0						780 U	820 U	402	405 UT	405 UT

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Hexachloroethane	ug/kg-Wet	29	0	0						8.5 U	33 UT	6.6	4.25 U	11.5 U
Nitrobenzene	ug/kg-Wet	3	0	0						33 UT	36 UT	17.3	17.5 UT	17.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	3	0	0						160 UJT	780 U	190	100 UT	100 UT
N-Nitrosodiphenylamine	ug/kg-Wet	29	0	0						9.5 U	160 U	14.1	4.75 U	80 U
N-Nitrosodipropylamine	ug/kg-Wet	3	0	0						31 UT	33 UT	16	16 UT	16 UT
Lab-exposed clams/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	43	0	0						0.000505 U	4.3 U	0.501	0.000575 U	2.15 U
Aroclor 1221	ug/kg-Wet	43	0	0						0.000262 U	2.4 U	0.279	0.000284 U	1.2 U
Aroclor 1232	ug/kg-Wet	43	0	0						0.000232 U	3 U	0.349	0.000247 U	1.5 U
Aroclor 1242	ug/kg-Wet	43	41	95.3	6.88 NJ	23.4 NJ	12.7	11.4 NJ	20.9 NJ	0.00667 U	23.4 NJ	12.1	11 J	20.9 NJ
Aroclor 1248	ug/kg-Wet	43	2	4.65	118 NJ	121 NJ	120	118 NJ	118 NJ	0.00131 U	121 NJ	5.86	0.00256 U	1.3 U
Aroclor 1254	ug/kg-Wet	43	31	72.1	5.48 NJ	32.2 NJ	11.5	8.45 NJ	29.4 NJ	0.0062 U	32.2 NJ	10	8 NJ	18.3 NJ
Aroclor 1260	ug/kg-Wet	43	33	76.7	2.79 NJ	15.4 NJ	4.9	3.69 NJ	8.61 NJ	2.79 NJ	15.4 NJ	4.12	3.46 NJ	6.66 NJ
Aroclor 1262	ug/kg-Wet	10	0	0						1.6 U	1.6 U	0.8	0.8 U	0.8 U
Aroclor 1268	ug/kg-Wet	10	0	0						1.3 U	1.3 U	0.65	0.65 U	0.65 U
Total PCB Aroclors	ug/kg-Wet	43	43	100	11 T	128 JT	29.7	21.5 JT	60.1 JT	11 T	128 JT	29.7	21.5 JT	60.1 JT
Butyltins														
Butyltin ion	ug/kg-Wet	43	19	44.2	0.19 J	15	1.35	0.45 J	2.6	0.061 U	15	0.667	0.22 U	1.2
Dibutyltin ion	ug/kg-Wet	43	20	46.5	0.47 J	120 J	7.2	1 J	4.2	0.37 U	120 J	3.51	0.42 U	1.5
Tetrabutyltin	ug/kg-Wet	43	0	0						0.067 U	0.67 U	0.0405	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	43	19	44.2	0.45 J	680	42	3.7	34	0.45 J	680	19	1 U	11
Conventionals														
Lipids	percent-Wet	43	43	100	0.527	2.29	1.04	0.93	1.72	0.527	2.29	1.04	0.93	1.72
Total solids	percent-Wet	43	43	100	5.11 T	10	7.38	7.23	9.4	5.11 T	10	7.38	7.23	9.4
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	33	29	87.9	0.16	8.5	1.27	0.556	3.38	0.127 U	8.5	1.12	0.435	3.38
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	33	100	0.29	25.9	3.58	1.48	13.6	0.29	25.9	3.58	1.48	13.6
Hexachlorodibenzofuran homologs	pg/g-Wet	33	33	100	0.12	23.3	2.48	0.811	6.97	0.12	23.3	2.48	0.811	6.97
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	31	93.9	0.063	15.6	1.35	0.365	3.52	0.063	15.6	1.27	0.355	3.52
Octachlorodibenzofuran	pg/g-Wet	33	22	66.7	0.09 J	4.84	0.883	0.419 J	2.12 J	0.09 J	4.84	0.638	0.247 U	2.12 J
Octachlorodibenzo-p-dioxin	pg/g-Wet	33	33	100	2.12 J	53.5	11.5	5.67	39.4	2.12 J	53.5	11.5	5.67	39.4
Pentachlorodibenzofuran homologs	pg/g-Wet	33	32	97	0.154	128	6.06	0.873	6.81	0.132 U	128	5.88	0.873	6.81
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	24	72.7	0.051	30.9	1.49	0.138	0.607	0.051	30.9	1.1	0.084	0.607
Tetrachlorodibenzofuran homologs	pg/g-Wet	33	33	100	0.888	397	14.5	1.89	5.83	0.888	397	14.5	1.89	5.83
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	30	90.9	0.342	48.2	2.45	0.742	2.12	0.0495 U	48.2	2.23	0.728	2.12
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	33	13	39.4	0.12 J	1.74	0.531	0.227 J	1.43	0.106 U	1.74	0.283	0.131 J	1.13 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	33	25	75.8	0.417 J	5.56	1.58	0.705 J	5.04	0.29 U	5.56	1.26	0.63 J	5.04
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	33	5	15.2	0.057 J	0.184 J	0.108	0.073 J	0.17 J	0.057 J	0.184 J	0.0671	0.065 U	0.0815 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	14	42.4	0.05 J	3.28	0.679	0.103 J	2.92	0.05 J	3.28	0.317	0.0595 U	2.07
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	6	18.2	0.08 J	0.14 J	0.102	0.102 J	0.107 J	0.052 U	0.465 U	0.0857	0.082 U	0.107 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	4	12.1	0.05 J	0.407 J	0.147	0.062 J	0.068 J	0.05 J	0.407 J	0.0639	0.0467 U	0.141 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	21	63.6	0.077 J	2.54	0.406	0.149 J	1.06 J	0.077 J	2.54	0.287	0.117 J	1.06 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	33	4	12.1	0.061 J	0.081 J	0.0703	0.069 J	0.07 J	0.052 U	0.164 U	0.0624	0.066 U	0.0725 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	10	30.3	0.054 J	0.178 J	0.112	0.089 J	0.172 J	0.054 J	0.546 U	0.0712	0.0471 U	0.172 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	33	11	33.3	0.051 J	2.96	0.55	0.117 J	1.99	0.05 U	2.96	0.213	0.053 U	0.343 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	33	10	30.3	0.051 J	17	1.79	0.063 J	0.234 J	0.049 U	17	0.575	0.054 J	0.211 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	21	63.6	0.058 J	0.816 J	0.141	0.085 J	0.241 J	0.052 U	0.816 J	0.103	0.067 J	0.241 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	33	17	51.5	0.079 J	9.31	0.935	0.13 J	3.19	0.075 U	9.31	0.515	0.095 J	1.45
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	33	22	66.7	0.162 J	45.2	2.62	0.327	0.909	0.162 J	45.2	1.79	0.2695 U	0.909
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	33	12	36.4	0.051 J	15.4	1.44	0.102 J	0.82	0.051 J	15.4	0.553	0.052 U	0.173 J
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	33	33	100	0.00817 JT	42.5 T	1.58	0.136 T	1.49 JT	0.00817 JT	42.5 T	1.58	0.136 T	1.49 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	43	42	97.7	0.112 JT	2.27 T	0.64	0.577 JT	1.63 JT	0 UT	2.27 T	0.626	0.577 JT	1.63 JT
Total PCDD/F	pg/g-Wet	33	33	100	4.48 JT	696 JT	44.2	12.6 T	99.2 T	4.48 JT	696 JT	44.2	12.6 T	99.2 T
Total TCDD toxicity equivalent	pg/g-Wet	33	33	100	0.274 JT	44.7 T	2.35	0.758 JT	2.84 JT	0.274 JT	44.7 T	2.35	0.758 JT	2.84 JT
Metals														
Aluminum	mg/kg-Wet	33	33	100	7.6 T	76.5 T	29.3	24.6	60.3	7.6 T	76.5 T	29.3	24.6	60.3
Antimony	mg/kg-Wet	43	19	44.2	0.0006	0.0012	0.000788	0.0007	0.0011	0.0005 U	0.0035 U	0.000624	0.0006	0.0011
Arsenic	mg/kg-Wet	43	43	100	0.303 JT	0.548	0.427	0.419 J	0.536	0.303 JT	0.548	0.427	0.419 J	0.536
Cadmium	mg/kg-Wet	43	43	100	0.0383 T	0.0666	0.0515	0.0499	0.0598	0.0383 T	0.0666	0.0515	0.0499	0.0598
Chromium	mg/kg-Wet	43	43	100	0.084	0.49	0.196	0.19	0.3	0.084	0.49	0.196	0.19	0.3
Copper	mg/kg-Wet	43	43	100	2.64 T	5.94 J	3.86	3.78	4.6 J	2.64 T	5.94 J	3.86	3.78	4.6 J
Lead	mg/kg-Wet	43	43	100	0.033	0.221	0.0554	0.047	0.074	0.033	0.221	0.0554	0.047	0.074
Mercury	mg/kg-Wet	43	43	100	0.00705 T	0.0162	0.00986	0.0095	0.0123	0.00705 T	0.0162	0.00986	0.0095	0.0123
Nickel	mg/kg-Wet	43	43	100	0.0753	0.313 J	0.138	0.137	0.174	0.0753	0.313 J	0.138	0.137	0.174
Selenium	mg/kg-Wet	33	33	100	0.072	0.247	0.141	0.127	0.232	0.072	0.247	0.141	0.127	0.232
Silver	mg/kg-Wet	43	43	100	0.00677	0.0181	0.0117	0.0118	0.0153	0.00677	0.0181	0.0117	0.0118	0.0153
Zinc	mg/kg-Wet	43	43	100	10.2	16.8	13	12.5	15.6	10.2	16.8	13	12.5	15.6
PAHs														
2-Methylnaphthalene	ug/kg-Wet	43	17	39.5	0.59 J	3.5	1.37	1.1	2	0.15 U	3.5	0.753	0.405 U	1.8
Acenaphthene	ug/kg-Wet	43	42	97.7	0.16 J	13	1.58	0.5	8	0.091 U	13	1.55	0.5	8
Acenaphthylene	ug/kg-Wet	43	29	67.4	0.15 J	1.1	0.369	0.3 J	0.83	0.092 U	1.1	0.264	0.2 J	0.61
Anthracene	ug/kg-Wet	43	43	100	0.52	29	3.02	1.2	5.8	0.52	29	3.02	1.2	5.8
Benzo(a)anthracene	ug/kg-Wet	43	43	100	0.39 J	67	5.54	1.6	22	0.39 J	67	5.54	1.6	22
Benzo(a)pyrene	ug/kg-Wet	43	41	95.3	0.42 J	33	2.22	0.64	6.2	0.12 U	33	2.12	0.63	6.2

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(b)fluoranthene	ug/kg-Wet	43	38	88.4	0.21 J	33	2.98	0.81	13	0.15 U	33	2.64	0.8	13
Benzo(g,h,i)perylene	ug/kg-Wet	43	26	60.5	0.18 J	18	1.97	0.56	5.8	0.17 U	18	1.23	0.32 J	5.5
Benzo(k)fluoranthene	ug/kg-Wet	43	31	72.1	0.17 J	23	1.92	0.43 J	5.6	0.13 U	23	1.4	0.35 J	5.2
Chrysene	ug/kg-Wet	43	43	100	1.6	100	10.3	3.7	36	1.6	100	10.3	3.7	36
Dibenzo(a,h)anthracene	ug/kg-Wet	43	10	23.3	0.15 J	1.4	0.577	0.27 J	1.4	0.11 U	1.4	0.176	0.055 U	0.61
Fluoranthene	ug/kg-Wet	43	43	100	4.8	390	44.8	14	250	4.8	390	44.8	14	250
Fluorene	ug/kg-Wet	43	43	100	0.5	11	2.02	1.1	8.6	0.5	11	2.02	1.1	8.6
High Molecular Weight PAH	ug/kg-Wet	43	43	100	13.1 JT	1170 T	118	35.9 JT	603 JT	13.1 JT	1170 T	118	35.9 JT	603 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	43	16	37.2	0.17 J	12	1.9	0.41 J	6	0.16 U	12	0.757	0.08 U	3.5
Low Molecular Weight PAH	ug/kg-Wet	43	43	100	5.07 JT	168 T	25.4	12 JT	126 T	5.07 JT	168 T	25.4	12 JT	126 T
Naphthalene	ug/kg-Wet	43	1	2.33	5.1	5.1	5.1	5.1	5.1	0.33 U	5.1	0.63	0.465 U	1.05 U
Phenanthrene	ug/kg-Wet	43	43	100	3.5	140	18	7.6	67	3.5	140	18	7.6	67
Pyrene	ug/kg-Wet	43	43	100	3.7	490	48.7	15	250	3.7	490	48.7	15	250
Total PAHs	ug/kg-Wet	43	43	100	18.2 JT	1320 T	143	46.9 JT	761 JT	18.2 JT	1320 T	143	46.9 JT	761 JT
PCB_Congeners														
PCB001	ug/kg-Wet	41	31	75.6	0.0663	0.485 J	0.169	0.144	0.303	0.0663	1 U	0.19	0.166 J	0.319
PCB002	ug/kg-Wet	32	32	100	0.00459	0.026	0.0125	0.011	0.024	0.00459	0.026	0.0125	0.011	0.024
PCB003	ug/kg-Wet	32	32	100	0.0223	0.156	0.0552	0.045	0.107	0.0223	0.156	0.0552	0.045	0.107
PCB004	ug/kg-Wet	33	33	100	0.577	3.05	1.06	0.884 J	2.14 J	0.577	3.05	1.06	0.884 J	2.14 J
PCB005	ug/kg-Wet	43	33	76.7	0.0236	0.0815	0.0397	0.0358	0.0679	0.0236	2.2 U	0.141	0.0382	0.6 U
PCB006	ug/kg-Wet	33	33	100	0.217	0.965	0.354	0.309	0.536	0.217	0.965	0.354	0.309	0.536
PCB007	ug/kg-Wet	33	33	100	0.0359	0.186 J	0.0745	0.0653	0.136 J	0.0359	0.186 J	0.0745	0.0653	0.136 J
PCB008	ug/kg-Wet	43	38	88.4	1.01	5.54 J	2.12	1.66	3.93	1.01	5.54 J	1.97	1.53	3.85
PCB009	ug/kg-Wet	33	33	100	0.048 J	0.215 J	0.0956	0.0826	0.192	0.048 J	0.215 J	0.0956	0.0826	0.192
PCB010	ug/kg-Wet	33	33	100	0.0155 J	0.169	0.0342	0.0278 J	0.0476	0.0155 J	0.169	0.0342	0.0278 J	0.0476
PCB011	ug/kg-Wet	33	33	100	0.202	0.658	0.336	0.288	0.605	0.202	0.658	0.336	0.288	0.605
PCB012 & 013	ug/kg-Wet	33	33	100	0.0431	0.22	0.0882	0.0699	0.17	0.0431	0.22	0.0882	0.0699	0.17
PCB014	ug/kg-Wet	33	2	6.06	0.000345 J	0.000589	0.000467	0.000345 J	0.000345 J	0.000345 J	0.00593 U	0.000479	0.0003735 U	0.000589
PCB015	ug/kg-Wet	33	33	100	0.291	2.15	0.578	0.425	1.03	0.291	2.15	0.578	0.425	1.03
PCB016	ug/kg-Wet	33	33	100	0.208	4.28	0.451	0.29	0.514	0.208	4.28	0.451	0.29	0.514
PCB017	ug/kg-Wet	33	33	100	0.243	4.88	0.623	0.359	1.4	0.243	4.88	0.623	0.359	1.4
PCB018 & 030	ug/kg-Wet	33	33	100	0.381	9.83	1.02	0.623	1.2	0.381	9.83	1.02	0.623	1.2
PCB018	ug/kg-Wet	10	10	100	0.82 NJ	2.8 NJ	1.33	1.1 NJ	1.6 NJ	0.82 NJ	2.8 NJ	1.33	1.1 NJ	1.6 NJ
PCB019	ug/kg-Wet	33	33	100	0.0763	5.63	0.348	0.115	0.851	0.0763	5.63	0.348	0.115	0.851
PCB020 & 028	ug/kg-Wet	33	33	100	0.459	12.5	1.44	0.702	2.27	0.459	12.5	1.44	0.702	2.27
PCB021 & 033	ug/kg-Wet	33	33	100	0.234	6.24	0.662	0.333	0.767	0.234	6.24	0.662	0.333	0.767
PCB022	ug/kg-Wet	33	33	100	0.184	4	0.484	0.258	0.63	0.184	4	0.484	0.258	0.63
PCB023	ug/kg-Wet	33	30	90.9	0.000618	0.0107	0.00166	0.000985	0.0024	0.000618	0.0107	0.00155	0.000887	0.0024
PCB024	ug/kg-Wet	33	33	100	0.00529	0.106	0.0131	0.00919	0.0218	0.00529	0.106	0.0131	0.00919	0.0218
PCB025	ug/kg-Wet	33	33	100	0.0341	0.811	0.1	0.0542	0.166	0.0341	0.811	0.1	0.0542	0.166
PCB026 & 029	ug/kg-Wet	33	33	100	0.0719	1.67	0.188	0.103	0.243	0.0719	1.67	0.188	0.103	0.243
PCB027	ug/kg-Wet	33	33	100	0.0424	0.835	0.109	0.0553	0.157	0.0424	0.835	0.109	0.0553	0.157
PCB028	ug/kg-Wet	10	10	100	0.57 J	1.6	0.916	0.84	1.3 J	0.57 J	1.6	0.916	0.84	1.3 J
PCB031	ug/kg-Wet	43	42	97.7	0.346	10.8	1.12	0.54	1.29	0.346	10.8	1.1	0.54	1.29
PCB032	ug/kg-Wet	33	33	100	0.116	2.84	0.338	0.178	0.595	0.116	2.84	0.338	0.178	0.595
PCB033	ug/kg-Wet	10	4	40	0.66 NJ	1.5 NJ	1.19	1.2 NJ	1.4 NJ	0.5 U	1.5 NJ	0.631	0.25 U	1.4 NJ
PCB034	ug/kg-Wet	33	32	97	0.00131	0.0585	0.00525	0.00218	0.00778	0.00131	0.0585	0.00512	0.00218	0.00778
PCB035	ug/kg-Wet	33	32	97	0.00644	0.0943	0.0134	0.00929	0.0208	0.00644	0.0943	0.0137	0.00955	0.0215
PCB036	ug/kg-Wet	33	28	84.8	0.00103	0.0039	0.00213	0.00185	0.00326	0.00101 U	0.0039	0.00192	0.00177	0.00326
PCB037	ug/kg-Wet	43	35	81.4	0.0418	2.21	0.209	0.0666	0.69 NJ	0.0418	2.21	0.183	0.07 U	0.4 J
PCB038	ug/kg-Wet	33	5	15.2	0.000287 J	0.00474	0.00249	0.00267	0.00431	0.000201 U	0.00474	0.000697	0.000289 U	0.00267
PCB039	ug/kg-Wet	33	26	78.8	0.00178	0.0788	0.00859	0.0028	0.00711	0.000549 U	0.0788	0.00687	0.00259	0.00711
PCB040 & 041 & 071	ug/kg-Wet	33	33	100	0.0831	5.12	0.545	0.155	2.07	0.0831	5.12	0.545	0.155	2.07
PCB042	ug/kg-Wet	33	33	100	0.136	2.33	0.345	0.194	1.02	0.136	2.33	0.345	0.194	1.02
PCB043	ug/kg-Wet	33	33	100	0.00661	0.404	0.043	0.0109	0.143	0.00661	0.404	0.043	0.0109	0.143
PCB044 & 047 & 065	ug/kg-Wet	33	33	100	0.34	8.07	1.28	0.498	5.74	0.34	8.07	1.28	0.498	5.74
PCB044	ug/kg-Wet	10	10	100	0.62	1.3	0.785	0.71	0.88	0.62	1.3	0.785	0.71	0.88
PCB045 & 051	ug/kg-Wet	33	33	100	0.0402	2.71	0.299	0.0693	1.49	0.0402	2.71	0.299	0.0693	1.49
PCB046	ug/kg-Wet	33	33	100	0.00985	0.695	0.0682	0.0171	0.222	0.00985	0.695	0.0682	0.0171	0.222
PCB048	ug/kg-Wet	33	33	100	0.0546	2.21	0.235	0.084	0.568	0.0546	2.21	0.235	0.084	0.568
PCB049 & 069	ug/kg-Wet	33	33	100	0.107	5.22	0.681	0.2	2.53	0.107	5.22	0.681	0.2	2.53
PCB049	ug/kg-Wet	10	10	100	0.29 J	0.94	0.442	0.37 J	0.53	0.29 J	0.94	0.442	0.37 J	0.53
PCB050 & 053	ug/kg-Wet	33	33	100	0.0451	2.35	0.241	0.0711	0.859	0.0451	2.35	0.241	0.0711	0.859
PCB052	ug/kg-Wet	43	43	100	0.211	8.39	0.997	0.518	1.9	0.211	8.39	0.997	0.518	1.9
PCB054	ug/kg-Wet	33	32	97	0.00145	1.17	0.0479	0.00506	0.0317	0.00145	1.17	0.0465	0.00506	0.0317
PCB055	ug/kg-Wet	33	11	33.3	0.00234	0.111	0.0233	0.00628	0.0994	0.00182 U	0.111	0.00849	0.00097 U	0.00894
PCB056	ug/kg-Wet	43	33	76.7	0.0739	3.7	0.366	0.108	1.33	0.0739	3.7	0.303	0.101	0.3
PCB057	ug/kg-Wet	33	24	72.7	0.000575 J	0.0335	0.00513	0.00117 J	0.0236	0.000575 J	0.0335	0.00399	0.001075 U	0.0236
PCB058	ug/kg-Wet	33	20	60.6	0.000478 J	0.0173	0.0039	0.00158 J	0.017	0.000351 U	0.0173	0.00261	0.000825 U	0.00901
PCB059 & 062 & 075	ug/kg-Wet	33	33	100	0.0241	0.782	0.0941	0.0363	0.328	0.0241	0.782	0.0941	0.0363	0.328
PCB060	ug/kg-Wet	43	33	76.7	0.0293	2.8	0.206	0.0467	0.743	0.0293	2.8	0.217	0.0615	0.33 U
PCB061 & 070 & 074 & 076	ug/kg-Wet	33	33	100	0.221	14.7	1.45	0.4	4.69	0.221	14.7	1.45	0.4	4.69
PCB063	ug/kg-Wet	33	33	100	0.00627	0.396	0.0374	0.0124	0.12	0.00627	0.396	0.0374	0.0124	0.12
PCB064	ug/kg-Wet	33	33	100	0.0644	4.42	0.439	0.11	1.95	0.0644	4.42	0.439	0.11	1.95
PCB066	ug/kg-Wet	43	42	97.7	0.181	7.16	0.751	0.307	0.938	0.181	7.16	0.738	0.307	0.938
PCB067	ug/kg-Wet	33	33	100	0.00647	0.206	0.026	0.00991	0.0671	0.00647	0.206	0.026	0.00991	0.0671

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB068	ug/kg-Wet	33	33	100	0.00178	0.0495	0.0083	0.00399	0.0261	0.00178	0.0495	0.0083	0.00399	0.0261
PCB070	ug/kg-Wet	10	9	90	0.43 J	1.1	0.581	0.51 J	0.66	0.32 U	1.1	0.539	0.51	0.66
PCB072	ug/kg-Wet	33	33	100	0.00174	0.0446	0.00936	0.00497	0.0316	0.00174	0.0446	0.00936	0.00497	0.0316
PCB073	ug/kg-Wet	33	9	27.3	0.00166	0.191	0.027	0.00399	0.0216	0.00155 U	0.191	0.00817	0.00083 U	0.0119
PCB074	ug/kg-Wet	10	4	40	0.18 J	0.36 J	0.245	0.19 J	0.25 J	0.16 U	0.36 J	0.146	0.08 U	0.25 J
PCB077	ug/kg-Wet	43	33	76.7	0.0204	0.497	0.0694	0.0299	0.224	0.0204	0.82 U	0.115	0.0377	0.25 U
PCB078	ug/kg-Wet	33	0	0						0.00114 U	0.00965 U	0.00086	0.000605 U	0.0018 U
PCB079	ug/kg-Wet	33	33	100	0.0143	0.0761	0.0251	0.0211	0.0424	0.0143	0.0761	0.0251	0.0211	0.0424
PCB080	ug/kg-Wet	33	0	0						0.000752 U	0.0167 U	0.00134	0.001055 U	0.00168 U
PCB081	ug/kg-Wet	43	16	37.2	0.000745	0.023	0.00407	0.00111	0.0163	0.000691 U	1.7 U	0.122	0.00123	0.6 U
PCB082	ug/kg-Wet	33	33	100	0.0153	0.697	0.0872	0.0299	0.355	0.0153	0.697	0.0872	0.0299	0.355
PCB083 & 099	ug/kg-Wet	33	33	100	0.312	2.89	0.832	0.516	2.19	0.312	2.89	0.832	0.516	2.19
PCB084	ug/kg-Wet	33	33	100	0.0368	1.43	0.222	0.0863	0.792	0.0368	1.43	0.222	0.0863	0.792
PCB085 & 116 & 117	ug/kg-Wet	33	33	100	0.0787	1.13	0.224	0.116	0.608	0.0787	1.13	0.224	0.116	0.608
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	33	33	100	0.374	3.2	0.874	0.56	2.17	0.374	3.2	0.874	0.56	2.17
PCB087	ug/kg-Wet	10	1	10	1	1	1	1	1	0.93 U	1.6 U	0.619	0.55 U	0.8 U
PCB088 & 091	ug/kg-Wet	33	33	100	0.0349	0.841	0.173	0.0697	0.472	0.0349	0.841	0.173	0.0697	0.472
PCB089	ug/kg-Wet	33	33	100	0.00176	0.15	0.0136	0.00369	0.0646	0.00176	0.15	0.0136	0.00369	0.0646
PCB090 & 101 & 113	ug/kg-Wet	33	33	100	0.493	4.09	1.3	0.829	3.46	0.493	4.09	1.3	0.829	3.46
PCB090	ug/kg-Wet	10	0	0						0.12 U	1.4 U	0.379	0.425 U	0.6 U
PCB092	ug/kg-Wet	33	33	100	0.0639	0.696	0.22	0.14	0.683	0.0639	0.696	0.22	0.14	0.683
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	33	33	100	0.317	3.32	0.918	0.539	2.8	0.317	3.32	0.918	0.539	2.8
PCB094	ug/kg-Wet	33	32	97	0.00129	0.303	0.0182	0.00353	0.033	0.00129	0.303	0.0177	0.00353	0.033
PCB095	ug/kg-Wet	10	10	100	0.51	1.6	0.705	0.56	0.82	0.51	1.6	0.705	0.56	0.82
PCB096	ug/kg-Wet	33	32	97	0.00143	0.131	0.0146	0.00319	0.0551	0.00143	0.131	0.0142	0.00319	0.0551
PCB097	ug/kg-Wet	10	0	0						0.5 U	0.62 U	0.257	0.25 U	0.26 U
PCB099	ug/kg-Wet	10	9	90	0.42 J	0.7	0.519	0.49 J	0.62	0.34 U	0.7	0.484	0.47 J	0.62
PCB101	ug/kg-Wet	10	5	50	0.94 J	2.1	1.47	1.3 J	1.8	0.91 U	2.1	1.01	0.65 U	1.8
PCB103	ug/kg-Wet	33	33	100	0.00257	0.244	0.0237	0.00807	0.0803	0.00257	0.244	0.0237	0.00807	0.0803
PCB104	ug/kg-Wet	33	27	81.8	0.000177 J	0.0978	0.00486	0.000719	0.0052	0.000177 J	0.0978	0.00402	0.000575 J	0.0052
PCB105	ug/kg-Wet	43	36	83.7	0.227	1.96	0.487	0.321	1.14	0.227	1.96	0.444	0.307	1.02
PCB106	ug/kg-Wet	33	0	0						0.000701 U	0.00576 U	0.000896	0.000805 U	0.001795 U
PCB107 & 124	ug/kg-Wet	33	33	100	0.0219	0.154	0.0459	0.03	0.104	0.0219	0.154	0.0459	0.03	0.104
PCB109	ug/kg-Wet	33	33	100	0.04	0.327	0.103	0.071	0.264	0.04	0.327	0.103	0.071	0.264
PCB110 & 115	ug/kg-Wet	33	33	100	0.466	4.65	1.21	0.718	3.15	0.466	4.65	1.21	0.718	3.15
PCB110	ug/kg-Wet	10	2	20	0.95	1	0.975	0.95	0.95	0.85 U	1.8 U	0.651	0.6 U	0.95
PCB111	ug/kg-Wet	33	25	75.8	0.000445 J	0.00599	0.00168	0.00134	0.00278	0.000363 U	0.00599	0.00135	0.000785 U	0.00278
PCB112	ug/kg-Wet	33	1	3.03	0.11	0.11	0.11	0.11	0.11	0.000598 U	0.11	0.00372	0.0003175 U	0.000785 U
PCB114	ug/kg-Wet	43	33	76.7	0.0131	0.145	0.0293	0.0181	0.0646	0.0131	0.145	0.0329	0.0202	0.0545
PCB118	ug/kg-Wet	43	42	97.7	1.1	5.25	2.18	1.81	4.36	1.1 U	5.25	2.14	1.81	4.36
PCB119	ug/kg-Wet	10	0	0						0.12 U	1.5 U	0.483	0.42 U	0.65 U
PCB120	ug/kg-Wet	33	33	100	0.00387	0.0294	0.00872	0.00651	0.0159	0.00387	0.0294	0.00872	0.00651	0.0159
PCB121	ug/kg-Wet	33	22	66.7	0.000255 J	0.0184	0.00194	0.00079	0.00351	0.000209 U	0.0184	0.00141	0.000676	0.00351
PCB122	ug/kg-Wet	33	29	87.9	0.00517	0.0635	0.0133	0.00803	0.0398	0.0049 U	0.0635	0.0121	0.00779	0.0398
PCB123	ug/kg-Wet	43	33	76.7	0.0296	0.116	0.0485	0.0397	0.0907	0.0296	0.62 U	0.09	0.0424	0.26 U
PCB126	ug/kg-Wet	43	28	65.1	0.00197	0.0126	0.00433	0.00315	0.00847	0.00197	0.12 U	0.0169	0.00331	0.06 U
PCB127	ug/kg-Wet	33	15	45.5	0.00151	0.00425	0.00224	0.00188	0.00383	0.00133 U	0.00719 U	0.00169	0.00156	0.003595 U
PCB128 & 166	ug/kg-Wet	33	33	100	0.104	0.6	0.241	0.191	0.491	0.104	0.6	0.241	0.191	0.491
PCB128	ug/kg-Wet	10	0	0						0.17 U	0.2 U	0.0865	0.085 U	0.085 U
PCB129 & 138 & 160 & 163	ug/kg-Wet	33	33	100	1.43	5.76	2.63	2.05	4.9	1.43	5.76	2.63	2.05	4.9
PCB130	ug/kg-Wet	33	33	100	0.0487	0.303	0.114	0.0848	0.218	0.0487	0.303	0.114	0.0848	0.218
PCB131	ug/kg-Wet	33	33	100	0.00453	0.0403	0.0151	0.0099	0.0371	0.00453	0.0403	0.0151	0.0099	0.0371
PCB132	ug/kg-Wet	43	33	76.7	0.0738	0.998	0.316	0.208	0.845	0.0738	0.998	0.298	0.25 U	0.833
PCB133	ug/kg-Wet	33	33	100	0.0116	0.119	0.0374	0.0248	0.0759	0.0116	0.119	0.0374	0.0248	0.0759
PCB134 & 143	ug/kg-Wet	33	33	100	0.0162	0.258	0.0643	0.042	0.141	0.0162	0.258	0.0643	0.042	0.141
PCB135 & 151 & 154	ug/kg-Wet	33	33	100	0.123	2.34	0.504	0.357	1.5	0.123	2.34	0.504	0.357	1.5
PCB136	ug/kg-Wet	33	33	100	0.0219	0.634	0.126	0.0831	0.428	0.0219	0.634	0.126	0.0831	0.428
PCB137	ug/kg-Wet	33	32	97	0.0379	0.119	0.0638	0.0545	0.109	0.0379	0.119	0.0626	0.0545	0.109
PCB138	ug/kg-Wet	10	9	90	1.2 J	1.7 J	1.52	1.6 J	1.7 J	0.69 U	1.7 J	1.4	1.6 J	1.7 J
PCB139 & 140	ug/kg-Wet	33	33	100	0.00771	0.0834	0.0264	0.0189	0.0575	0.00771	0.0834	0.0264	0.0189	0.0575
PCB141	ug/kg-Wet	43	33	76.7	0.0268	0.466	0.083	0.0508	0.161	0.0268	0.466	0.0742	0.045 U	0.16
PCB142	ug/kg-Wet	33	1	3.03	0.00128	0.00128	0.00128	0.00128	0.00128	0.000573 U	0.00473 U	0.000629	0.000433 U	0.001545 U
PCB144	ug/kg-Wet	33	33	100	0.0115	0.219	0.0514	0.0315	0.137	0.0115	0.219	0.0514	0.0315	0.137
PCB145	ug/kg-Wet	33	16	48.5	0.000093 J	0.00171	0.000495	0.000354 J	0.00112	0.000085 U	0.00171	0.000327	0.0001815 U	0.000991
PCB146	ug/kg-Wet	33	33	100	0.183	0.988	0.396	0.315	0.736	0.183	0.988	0.396	0.315	0.736
PCB147 & 149	ug/kg-Wet	33	33	100	0.418	3.65	1.23	0.976	3.31	0.418	3.65	1.23	0.976	3.31
PCB148	ug/kg-Wet	33	32	97	0.0009	0.0306	0.00543	0.00251	0.0172	0.000853 U	0.0306	0.00528	0.00251	0.0172
PCB149	ug/kg-Wet	10	10	100	0.58	1.2	0.799	0.69	1.1 J	0.58	1.2	0.799	0.69	1.1 J
PCB150	ug/kg-Wet	33	32	97	0.000501 J	0.028	0.00456	0.00198	0.0195	0.000501 J	0.028	0.00443	0.00198	0.0195
PCB151	ug/kg-Wet	10	9	90	0.21 J	0.38 J	0.258	0.24 J	0.3 J	0.099 U	0.38 J	0.237	0.23 J	0.3 J
PCB152	ug/kg-Wet	33	31	93.9	0.000295 J	0.038	0.00276	0.000835	0.00621	0.000295 J	0.038	0.00261	0.00081 J	0.00621
PCB153 & 168	ug/kg-Wet	33	33	100	2.95	7.59	4.47	4.06	6.45	2.95	7.59	4.47	4.06	6.45
PCB153	ug/kg-Wet	10	9	90	2.3	2.9	2.6	2.5	2.8	2.3	2.9	2.46	2.5	2.8
PCB155	ug/kg-Wet	33	30	90.9	0.000596	0.00647	0.00141	0.00103	0.00246	0.000596	0.00647	0.00137	0.00103	0.00246
PCB156 & 157	ug/kg-Wet	33	33	100	0.111	0.328	0.175	0.152	0.303	0.111	0.328	0.175	0.152	0.303
PCB156	ug/kg-Wet	10	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB157	ug/kg-Wet	10	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB158	ug/kg-Wet	43	33	76.7	0.0864	0.426	0.19	0.145	0.387	0.0864	0.426	0.168	0.128	0.346
PCB159	ug/kg-Wet	33	23	69.7	0.000602	0.0317	0.00615	0.00257	0.0132	0.000602	0.0317	0.00479	0.00225	0.0132
PCB161	ug/kg-Wet	33	0	0						0.000648 U	0.00534 U	0.000521	0.000339 U	0.00112 U
PCB162	ug/kg-Wet	33	32	97	0.00252	0.012	0.00522	0.00405	0.0101	0.00252	0.012	0.00512	0.00405	0.0101
PCB164	ug/kg-Wet	33	33	100	0.0306	0.299	0.0849	0.0604	0.204	0.0306	0.299	0.0849	0.0604	0.204
PCB165	ug/kg-Wet	33	13	39.4	0.000515 J	0.0097	0.00274	0.00179	0.00503	0.000416 U	0.0097	0.00139	0.000515 J	0.00484
PCB166	ug/kg-Wet	10	0	0						0.26 U	0.38 U	0.16	0.155 U	0.185 U
PCB167	ug/kg-Wet	43	39	90.7	0.14 NJ	0.333	0.22	0.208	0.306	0.1 U	0.333	0.204	0.207	0.29 NJ
PCB168	ug/kg-Wet	10	0	0						0.26 U	0.26 U	0.13	0.13 U	0.13 U
PCB169	ug/kg-Wet	43	1	2.33	0.00155	0.00155	0.00155	0.00155	0.00155	0.000517 U	0.36 U	0.0425	0.00082 U	0.18 U
PCB170	ug/kg-Wet	43	33	76.7	0.0242	0.485	0.0923	0.0472	0.219	0.0242	0.485	0.0941	0.081	0.171
PCB171 & 173	ug/kg-Wet	33	33	100	0.034	0.425	0.106	0.0643	0.27	0.034	0.425	0.106	0.0643	0.27
PCB172	ug/kg-Wet	33	33	100	0.00287	0.0756	0.0137	0.00741	0.0319	0.00287	0.0756	0.0137	0.00741	0.0319
PCB174	ug/kg-Wet	43	33	76.7	0.022	0.706	0.117	0.0637	0.286	0.022	0.706	0.107	0.075 U	0.212
PCB175	ug/kg-Wet	33	33	100	0.0048	0.0583	0.0143	0.00894	0.0357	0.0048	0.0583	0.0143	0.00894	0.0357
PCB176	ug/kg-Wet	33	33	100	0.011	0.172	0.0394	0.0227	0.111	0.011	0.172	0.0394	0.0227	0.111
PCB177	ug/kg-Wet	43	33	76.7	0.0869	0.892	0.24	0.154	0.601	0.0869	0.892	0.205	0.131	0.386
PCB178	ug/kg-Wet	33	33	100	0.0454	0.385	0.116	0.0824	0.284	0.0454	0.385	0.116	0.0824	0.284
PCB179	ug/kg-Wet	33	33	100	0.0391	0.646	0.148	0.0901	0.413	0.0391	0.646	0.148	0.0901	0.413
PCB180 & 193	ug/kg-Wet	33	33	100	0.409	1.66	0.634	0.54	0.921	0.409	1.66	0.634	0.54	0.921
PCB180	ug/kg-Wet	10	8	80	0.39 J	0.49 J	0.436	0.43 J	0.47 J	0.39 J	0.49 J	0.391	0.42 J	0.47 J
PCB181	ug/kg-Wet	33	32	97	0.00201	0.0123	0.00422	0.00318	0.00766	0.00201	0.0123	0.00414	0.00318	0.00766
PCB182	ug/kg-Wet	33	23	69.7	0.000759 J	0.00587	0.0024	0.00194	0.00544	0.000759 J	0.0202 U	0.00221	0.00171	0.00544
PCB183 & 185	ug/kg-Wet	33	33	100	0.0993	0.932	0.254	0.17	0.582	0.0993	0.932	0.254	0.17	0.582
PCB183	ug/kg-Wet	10	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB184	ug/kg-Wet	43	27	62.8	0.000595	0.00326	0.00136	0.00108	0.00262	0.000593 U	0.083 U	0.0106	0.00119	0.0415 U
PCB186	ug/kg-Wet	33	1	3.03	0.000134 J	0.000134 J	0.000134	0.000134 J	0.000134 J	0.000052 U	0.0051 U	0.000389	0.00032 U	0.0003945 U
PCB187	ug/kg-Wet	43	33	76.7	0.274	2.04	0.673	0.48	1.63	0.27 U	2.04	0.555	0.422	1.16
PCB188	ug/kg-Wet	33	24	72.7	0.000602	0.00474	0.00181	0.00122	0.00431	0.000594 U	0.00474	0.00143	0.00105	0.00431
PCB189	ug/kg-Wet	43	26	60.5	0.000918	0.0149	0.00361	0.00189	0.00697	0.000916 U	0.1 U	0.0139	0.00288	0.05 U
PCB190	ug/kg-Wet	33	33	100	0.047	0.255	0.0879	0.0621	0.179	0.047	0.255	0.0879	0.0621	0.179
PCB191	ug/kg-Wet	33	33	100	0.00435	0.0503	0.0112	0.00718	0.0234	0.00435	0.0503	0.0112	0.00718	0.0234
PCB192	ug/kg-Wet	33	0	0						0.0014 U	0.0119 U	0.000939	0.000745 U	0.00092 U
PCB194	ug/kg-Wet	43	33	76.7	0.00407	0.0777	0.0144	0.00788	0.0289	0.00407	0.61 U	0.0457	0.0125	0.265 U
PCB195	ug/kg-Wet	43	33	76.7	0.0173	0.168	0.0443	0.0292	0.0931	0.0173	0.21 U	0.0584	0.04	0.105 U
PCB196	ug/kg-Wet	33	33	100	0.0125	0.138	0.0333	0.0199	0.068	0.0125	0.138	0.0333	0.0199	0.068
PCB197 & 200	ug/kg-Wet	33	32	97	0.00585	0.0554	0.0164	0.0109	0.0345	0.00585	0.0554	0.016	0.0109	0.0345
PCB198 & 199	ug/kg-Wet	33	33	100	0.035	0.282	0.0859	0.0606	0.179	0.035	0.282	0.0859	0.0606	0.179
PCB201	ug/kg-Wet	43	33	76.7	0.0135	0.0716	0.0313	0.0248	0.0648	0.0135	0.25 U	0.035	0.0318	0.0648
PCB202	ug/kg-Wet	33	33	100	0.0583	0.221	0.11	0.0944	0.195	0.0583	0.221	0.11	0.0944	0.195
PCB203	ug/kg-Wet	43	33	76.7	0.108	0.32	0.166	0.142	0.283	0.108	0.32	0.161	0.145 U	0.266
PCB204	ug/kg-Wet	33	15	45.5	0.000104 J	0.000494 J	0.000233	0.000199 J	0.000394 J	0.000097 U	0.0143 U	0.000435	0.0001385 U	0.000494 J
PCB205	ug/kg-Wet	33	33	100	0.00323	0.0236	0.00732	0.00496	0.0145	0.00323	0.0236	0.00732	0.00496	0.0145
PCB206	ug/kg-Wet	43	33	76.7	0.0503	0.166	0.0849	0.0758	0.151	0.0503	0.166	0.0814	0.07 U	0.143
PCB207	ug/kg-Wet	33	33	100	0.00808	0.025	0.0132	0.0117	0.0237	0.00808	0.025	0.0132	0.0117	0.0237
PCB208	ug/kg-Wet	33	33	100	0.0358	0.115	0.0574	0.0503	0.103	0.0358	0.115	0.0574	0.0503	0.103
PCB209	ug/kg-Wet	43	33	76.7	0.0561	0.185	0.0931	0.0779	0.164	0.0561	0.185	0.0843	0.0719	0.16
Total PCB Congeners	ug/kg-Wet	43	43	100	10.6 JT	189	37.8	25.2	74.4	10.6 JT	189	37.8	25.2	74.4
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	33	33	100	2.55	11.8	4.65	3.73	7.65	2.55	11.8	4.65	3.73	7.65
Heptachlorobiphenyl homologs	ug/kg-Wet	33	33	100	1.15	8.82	2.56	1.75	5.62	1.15	8.82	2.56	1.75	5.62
Hexachlorobiphenyl homologs	ug/kg-Wet	33	33	100	5.88	23.7	11.1	8.96	19.6	5.88	23.7	11.1	8.96	19.6
Monochlorobiphenyl homologs	ug/kg-Wet	32	32	100	0.0358	0.667	0.232	0.203	0.434	0.0358	0.667	0.232	0.203	0.434
Nonachlorobiphenyl homologs	ug/kg-Wet	33	33	100	0.0941	0.305	0.156	0.136	0.278	0.0941	0.305	0.156	0.136	0.278
Octachlorobiphenyl homologs	ug/kg-Wet	33	33	100	0.272	1.29	0.509	0.393	0.987	0.272	1.29	0.509	0.393	0.987
Pentachlorobiphenyl homologs	ug/kg-Wet	33	33	100	4.08	30.3	9.27	5.98	21.3	4.08	30.3	9.27	5.98	21.3
Tetrachlorobiphenyl homologs	ug/kg-Wet	33	33	100	1.72	67.5	8.41	2.74	28.5	1.72	67.5	8.41	2.74	28.5
Trichlorobiphenyl homologs	ug/kg-Wet	33	33	100	2.61	62.5	7.24	3.75	11.6	2.61	62.5	7.24	3.75	11.6
Pesticides														
2,4'-DDD	ug/kg-Wet	43	34	79.1	0.094 J	239	8	0.226	2.4	0.094 J	239	6.44	0.308	1.9 J
2,4'-DDE	ug/kg-Wet	43	29	67.4	0.0125 J	2.93	0.18	0.0235 J	0.429	0.0125 J	2.93	0.238	0.027 J	0.55 U
2,4'-DDT	ug/kg-Wet	43	25	58.1	0.0225 J	1.8 J	0.138	0.0292 J	0.122 J	0.0225 J	1.8 J	0.247	0.0388 J	0.8 U
4,4'-DDD	ug/kg-Wet	43	43	100	0.375	702	19.7	0.87 NJ	4.85	0.375	702	19.7	0.87 NJ	4.85
4,4'-DDE	ug/kg-Wet	43	43	100	0.513	8.55	1.59	1	2.81	0.513	8.55	1.59	1	2.81
4,4'-DDT	ug/kg-Wet	43	40	93	0.0665 J	87.1	2.7	0.121 J	1.7	0.0665 J	87.1	2.52	0.119 J	1.7
Aldrin	ug/kg-Wet	43	26	60.5	0.0119 J	2.14	0.109	0.0232 J	0.0493 J	0.0119 J	2.14	0.0946	0.0258 J	0.075 U
alpha-Endosulfan	ug/kg-Wet	43	3	6.98	0.015 J	0.049 J	0.0297	0.025 J	0.025 J	0.003 U	1 U	0.125	0.01185 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	43	19	44.2	0.00607 J	0.0136 J	0.00932	0.00889 J	0.0128 J	0.0054 U	0.32 U	0.0438	0.00889 J	0.16 U
beta-Endosulfan	ug/kg-Wet	43	3	6.98	0.025 J	0.0308 J	0.0281	0.0284 J	0.0284 J	0.012 U	1 U	0.0641	0.03065 U	0.12 U
beta-Hexachlorocyclohexane	ug/kg-Wet	43	5	11.6	0.00131 J	0.00873 J	0.00427	0.00268 J	0.00629 J	0.00118 U	0.46 U	0.047	0.0207 U	0.155 U
cis-Chlordane	ug/kg-Wet	43	43	100	0.414 J	2.29	0.942	0.763	1.7	0.414 J	2.29	0.942	0.763	1.7
cis-Nonachlor	ug/kg-Wet	43	40	93	0.234 J	2	0.673	0.382 J	2 J	0.234 J	2.2 U	0.685	0.39 J	1.9
delta-Hexachlorocyclohexane	ug/kg-Wet	43	4	9.3	0.001 J	0.23 J	0.0598	0.001 J	0.007 J	0.001 U	0.24 U	0.0306	0.002 U	0.105 U
Dieldrin	ug/kg-Wet	43	34	79.1	0.139 J	4.14	0.371	0.197	0.626	0.139 J	4.14	0.352	0.205 U	0.531
Endosulfan sulfate	ug/kg-Wet	43	18	41.9	0.0203 J	0.42 J	0.0622	0.037 J	0.075 J	0.018 U	0.42 J	0.0568	0.03175 U	0.12 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Endrin aldehyde	ug/kg-Wet	43	0	0						0.001 U	0.8 U	0.0764	0.00955 U	0.325 U
Endrin ketone	ug/kg-Wet	43	3	6.98	0.002 J	0.0108 J	0.0056	0.004 J	0.004 J	0.00105 U	0.48 U	0.0618	0.01985 U	0.2 U
Endrin	ug/kg-Wet	43	5	11.6	0.00563 J	0.0616 J	0.0192	0.008 J	0.013 J	0.002 U	0.12 U	0.0171	0.01255 U	0.0375 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	43	26	60.5	0.0319 J	0.21 J	0.0649	0.0519 J	0.0978 J	0.0307 U	0.67 U	0.0679	0.0519 J	0.0978 J
Heptachlor epoxide	ug/kg-Wet	43	32	74.4	0.0173 J	0.094 J	0.0336	0.026 J	0.0748 J	0.0173 J	1 U	0.0879	0.03 J	0.17 U
Heptachlor	ug/kg-Wet	43	24	55.8	0.0158 J	0.0534 J	0.0264	0.0223 J	0.045 J	0.012 U	0.31 U	0.0538	0.0231 U	0.155 U
Methoxychlor	ug/kg-Wet	43	0	0						0.004 U	0.32 U	0.0434	0.0095 U	0.16 U
Mirex	ug/kg-Wet	10	0	0						0.24 U	0.24 U	0.12	0.12 U	0.12 U
Oxychlordane	ug/kg-Wet	43	30	69.8	0.0387 J	0.5 J	0.0798	0.0583 J	0.135 J	0.0326 U	0.64 U	0.105	0.0606 J	0.27 U
Total Chlordanes	ug/kg-Wet	43	43	100	1.61 JT	8.2 JT	3.81	2.79 JT	7.21 JT	1.61 JT	8.2 JT	3.81	2.79 JT	7.21 JT
Total Endosulfan	ug/kg-Wet	43	19	44.2	0.0203 JT	0.42 JT	0.068	0.041 JT	0.149 JT	0.018 UT	1 UT	0.145	0.0319 UT	0.5 UT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	43	43	100	1.13 JT	1040 T	30.3	2.97 T	8.79 JT	1.13 JT	1040 T	30.3	2.97 T	8.79 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	43	43	100	0.511 JT	941 T	26	1.02 T	6.26 T	0.511 JT	941 T	26	1.02 T	6.26 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	43	43	100	0.526 JT	11.2 T	1.71	1.01 T	2.88 JT	0.526 JT	11.2 T	1.71	1.01 T	2.88 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	43	40	93	0.075 JT	87.1 T	2.79	0.161 JT	3.34 T	0.075 JT	87.1 T	2.6	0.16 JT	1.7 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	43	43	100	0.959 JT	797 T	23.8	2.37 T	8.5 T	0.959 JT	797 T	23.8	2.37 T	8.5 T
Toxaphene	ug/kg-Wet	10	0	0						14 U	22 U	8.75	9 U	10 U
trans-Chlordane	ug/kg-Wet	43	43	100	0.26 J	2.81	0.826	0.452 J	1.8 J	0.26 J	2.81	0.826	0.452 J	1.8 J
trans-Nonachlor	ug/kg-Wet	43	43	100	0.657	3	1.36	1.13	2.19	0.657	3	1.36	1.13	2.19
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	10	0	0						55 U	55 U	27.5	27.5 U	27.5 U
2,3,4,6-Tetrachlorophenol	ug/kg-Wet	10	0	0						55 U	55 U	27.5	27.5 U	27.5 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	10	0	0						42 U	42 U	21	21 U	21 U
2,4,5-Trichlorophenol	ug/kg-Wet	10	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2,4,6-Trichlorophenol	ug/kg-Wet	10	0	0						8.8 U	8.8 U	4.4	4.4 U	4.4 U
2,4-Dichlorophenol	ug/kg-Wet	10	0	0						12 U	12 U	6	6 U	6 U
2,4-Dimethylphenol	ug/kg-Wet	43	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2,4-Dinitrophenol	ug/kg-Wet	10	0	0						23 U	23 U	11.5	11.5 U	11.5 U
2-Chlorophenol	ug/kg-Wet	10	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2-Methylphenol	ug/kg-Wet	43	3	6.98	68 J	99	83.7	84	84	53 U	99	30.5	26.5 U	26.5 U
2-Nitrophenol	ug/kg-Wet	10	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	10	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4-Chloro-3-methylphenol	ug/kg-Wet	10	0	0						72 U	72 U	36	36 U	36 U
4-Methylphenol	ug/kg-Wet	43	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4-Nitrophenol	ug/kg-Wet	10	0	0						7.5 U	7.5 U	3.75	3.75 U	3.75 U
Pentachlorophenol	ug/kg-Wet	26	0	0						31 U	31 U	15.5	15.5 U	15.5 U
Phenol	ug/kg-Wet	43	4	9.3	17 J	180	61.8	22 J	28 J	17 U	180	13.5	8.5 U	17 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	43	35	81.4	53 J	8600	376	100 J	340 J	53 U	8600	311	86 J	280 J
Butylbenzyl phthalate	ug/kg-Wet	43	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	43	10	23.3	25 J	49	31.1	28 J	36 J	16 U	210 U	44.3	28 J	100 U
Diethyl phthalate	ug/kg-Wet	43	20	46.5	9.6 J	19 J	14.2	14 J	18 J	9.4 U	19 J	9.11	4.7 U	17 J
Dimethyl phthalate	ug/kg-Wet	43	2	4.65	5.3 J	5.6 J	5.45	5.3 J	5.3 J	5.1 U	5.6 J	2.68	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	43	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	43	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	43	0	0						12 U	12 U	6	6 U	6 U
1,2-Diphenylhydrazine	ug/kg-Wet	10	0	0						40 U	40 U	20	20 U	20 U
1,3-Dichlorobenzene	ug/kg-Wet	43	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	43	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2,4-Dinitrotoluene	ug/kg-Wet	10	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
2,6-Dinitrotoluene	ug/kg-Wet	10	0	0						7 U	7 U	3.5	3.5 U	3.5 U
2-Chloronaphthalene	ug/kg-Wet	10	0	0						5.9 U	5.9 U	2.95	2.95 U	2.95 U
2-Nitroaniline	ug/kg-Wet	10	0	0						26 U	26 U	13	13 U	13 U
3,3'-Dichlorobenzidine	ug/kg-Wet	10	0	0						780 UJ	780 UJ	390	390 UJ	390 UJ
3-Nitroaniline	ug/kg-Wet	10	0	0						8.9 U	8.9 U	4.45	4.45 U	4.45 U
4-Bromophenyl phenyl ether	ug/kg-Wet	10	0	0						5.5 U	5.5 U	2.75	2.75 U	2.75 U
4-Chloroaniline	ug/kg-Wet	10	0	0						5.9 U	5.9 U	2.95	2.95 U	2.95 U
4-Chlorophenyl phenyl ether	ug/kg-Wet	10	0	0						4.5 U	4.5 U	2.25	2.25 U	2.25 U
4-Nitroaniline	ug/kg-Wet	10	0	0						26 U	26 U	13	13 U	13 U
Aniline	ug/kg-Wet	10	0	0						230 UJ	230 UJ	115	115 UJ	115 UJ
Benzoic acid	ug/kg-Wet	10	4	40	2000 J	3800 J	2700	2400 J	2600 J	980 UJ	3800 J	1410	600 UJ	2600 J
Benzyl alcohol	ug/kg-Wet	43	35	81.4	6.7 J	51	15.5	14 J	29 J	6.7 U	51	13.2	9.5 J	25 J
Bis(2-chloroethoxy) methane	ug/kg-Wet	10	0	0						5 U	5 U	2.5	2.5 U	2.5 U
Bis(2-chloroethyl) ether	ug/kg-Wet	10	0	0						8.7 U	8.7 U	4.35	4.35 U	4.35 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	10	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Carbazole	ug/kg-Wet	10	0	0						33 U	33 U	16.5	16.5 U	16.5 U
Dibenzofuran	ug/kg-Wet	43	43	100	0.24 J	1.2	0.497	0.41 J	0.82	0.24 J	1.2	0.497	0.41 J	0.82
Hexachlorobenzene	ug/kg-Wet	43	32	74.4	0.0292 J	0.275	0.0639	0.048 J	0.107 J	0.0292 J	0.275	0.0761	0.0563 J	0.12 U
Hexachlorobutadiene	ug/kg-Wet	43	3	6.98	0.00419 J	4.25 J	1.42	0.00548 J	0.00548 J	0.00417 UJ	8.5 U	2.26	4.25 U	4.25 U
Hexachlorocyclopentadiene	ug/kg-Wet	10	0	0						5000 U	5000 U	2500	2500 U	2500 U
Hexachloroethane	ug/kg-Wet	43	4	9.3	0.66 J	0.81 J	0.733	0.68 J	0.78 J	0.31 U	8.5 U	3.36	4.25 U	4.25 U
Isophorone	ug/kg-Wet	10	0	0						5.8 U	5.8 U	2.9	2.9 U	2.9 U
Nitrobenzene	ug/kg-Wet	10	1	10	31 J	31 J	31	31 J	31 J	10 U	31 J	7.6	5 U	5 U
N-Nitrosodimethylamine	ug/kg-Wet	10	0	0						10 U	10 U	5	5 U	5 U
N-Nitrosodiphenylamine	ug/kg-Wet	43	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
N-Nitrosodipropylamine	ug/kg-Wet	10	0	0						8.2 U	8.2 U	4.1	4.1 U	4.1 U
UPRIVER														
Lab-exposed clams/Whole body without shell														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						6.6 U	6.6 U	3.3	3.3 U	3.3 U
Aroclor 1221	ug/kg-Wet	1	0	0						20 U	20 U	10	10 U	10 U
Aroclor 1232	ug/kg-Wet	1	0	0						9.8 U	9.8 U	4.9	4.9 U	4.9 U
Aroclor 1242	ug/kg-Wet	1	0	0						6.8 U	6.8 U	3.4	3.4 U	3.4 U
Aroclor 1248	ug/kg-Wet	1	0	0						5.8 U	5.8 U	2.9	2.9 U	2.9 U
Aroclor 1254	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Aroclor 1260	ug/kg-Wet	1	0	0						8.1 U	8.1 U	4.05	4.05 U	4.05 U
Aroclor 1262	ug/kg-Wet	1	0	0						2.5 U	2.5 U	1.25	1.25 U	1.25 U
Aroclor 1268	ug/kg-Wet	1	0	0						1.5 U	1.5 U	0.75	0.75 U	0.75 U
Total PCB Aroclors	ug/kg-Wet	1	0	0						20 UT	20 UT	10	10 UT	10 UT
Butyltins														
Butyltin ion	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
Dibutyltin ion	ug/kg-Wet	1	0	0						0.54 U	0.54 U	0.27	0.27 U	0.27 U
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	1	100	0.091 NJ	0.091 NJ	0.091	0.091 NJ	0.091 NJ	0.091 NJ	0.091 NJ	0.091	0.091 NJ	0.091 NJ
Conventionals														
Lipids	percent-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Total solids	percent-Wet	1	1	100	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Dioxin_Furan_Homologs														
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.16 T	0.16 T	0.16	0.16 T	0.16 T	0.16 T	0.16 T	0.16	0.16 T	0.16 T
Metals														
Antimony	mg/kg-Wet	1	0	0						0.000624 U	0.000624 U	0.000312	0.000312 U	0.000312 U
Arsenic	mg/kg-Wet	1	1	100	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392	0.392
Cadmium	mg/kg-Wet	1	1	100	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Chromium	mg/kg-Wet	1	1	100	0.0936	0.0936	0.0936	0.0936	0.0936	0.0936	0.0936	0.0936	0.0936	0.0936
Copper	mg/kg-Wet	1	1	100	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19
Lead	mg/kg-Wet	1	1	100	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359
Mercury	mg/kg-Wet	1	1	100	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113
Nickel	mg/kg-Wet	1	1	100	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694	0.0694
Silver	mg/kg-Wet	1	1	100	0.00632	0.00632	0.00632	0.00632	0.00632	0.00632	0.00632	0.00632	0.00632	0.00632
Zinc	mg/kg-Wet	1	1	100	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Acenaphthene	ug/kg-Wet	1	1	100	0.33 J	0.33 J	0.33	0.33 J	0.33 J	0.33 J	0.33 J	0.33	0.33 J	0.33 J
Acenaphthylene	ug/kg-Wet	1	1	100	0.34 J	0.34 J	0.34	0.34 J	0.34 J	0.34 J	0.34 J	0.34	0.34 J	0.34 J
Anthracene	ug/kg-Wet	1	1	100	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Benzo(a)anthracene	ug/kg-Wet	1	1	100	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Benzo(a)pyrene	ug/kg-Wet	1	1	100	0.26 J	0.26 J	0.26	0.26 J	0.26 J	0.26 J	0.26 J	0.26	0.26 J	0.26 J
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	0.36 J	0.36 J	0.36	0.36 J	0.36 J	0.36 J	0.36 J	0.36	0.36 J	0.36 J
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	0.22 J	0.22 J	0.22	0.22 J	0.22 J	0.22 J	0.22 J	0.22	0.22 J	0.22 J
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	0.16 J	0.16 J	0.16	0.16 J	0.16 J	0.16 J	0.16 J	0.16	0.16 J	0.16 J
Chrysene	ug/kg-Wet	1	1	100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Dibenzo(a,h)anthracene	ug/kg-Wet	1	1	100	0.13 J	0.13 J	0.13	0.13 J	0.13 J	0.13 J	0.13 J	0.13	0.13 J	0.13 J
Fluoranthene	ug/kg-Wet	1	1	100	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Fluorene	ug/kg-Wet	1	1	100	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
High Molecular Weight PAH	ug/kg-Wet	1	1	100	18.3 JT	18.3 JT	18.3	18.3 JT	18.3 JT	18.3 JT	18.3 JT	18.3	18.3 JT	18.3 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	0.18 J	0.18 J	0.18	0.18 J	0.18 J	0.18 J	0.18 J	0.18	0.18 J	0.18 J
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	11.4 JT	11.4 JT	11.4	11.4 JT	11.4 JT	11.4 JT	11.4 JT	11.4	11.4 JT	11.4 JT
Naphthalene	ug/kg-Wet	1	0	0						0.96 U	0.96 U	0.48	0.48 U	0.48 U
Phenanthrene	ug/kg-Wet	1	1	100	8	8	8	8	8	8	8	8	8	8
Pyrene	ug/kg-Wet	1	1	100	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Total PAHs	ug/kg-Wet	1	1	100	29.7 JT	29.7 JT	29.7	29.7 JT	29.7 JT	29.7 JT	29.7 JT	29.7	29.7 JT	29.7 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
PCB005	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB008	ug/kg-Wet	1	1	100	2	2	2	2	2	2	2	2	2	2
PCB018	ug/kg-Wet	1	1	100	1 NJ	1 NJ	1	1 NJ	1 NJ	1 NJ	1 NJ	1	1 NJ	1 NJ
PCB028	ug/kg-Wet	1	1	100	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
PCB031	ug/kg-Wet	1	1	100	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
PCB033	ug/kg-Wet	1	0	0						0.77 U	0.77 U	0.385	0.385 U	0.385 U
PCB037	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB044	ug/kg-Wet	1	1	100	0.69 NJ	0.69 NJ	0.69	0.69 NJ	0.69 NJ	0.69 NJ	0.69 NJ	0.69	0.69 NJ	0.69 NJ
PCB049	ug/kg-Wet	1	1	100	0.31 J	0.31 J	0.31	0.31 J	0.31 J	0.31 J	0.31 J	0.31	0.31 J	0.31 J
PCB052	ug/kg-Wet	1	0	0						0.22 U	0.22 U	0.11	0.11 U	0.11 U
PCB056	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
PCB060	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB066	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB070	ug/kg-Wet	1	1	100	0.47 J	0.47 J	0.47	0.47 J	0.47 J	0.47 J	0.47 J	0.47	0.47 J	0.47 J
PCB074	ug/kg-Wet	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
PCB077	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
PCB081	ug/kg-Wet	1	0	0						0.17 U	0.17 U	0.085	0.085 U	0.085 U
PCB087	ug/kg-Wet	1	0	0						0.97 U	0.97 U	0.485	0.485 U	0.485 U

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB090	ug/kg-Wet	1	0	0						0.66 U	0.66 U	0.33	0.33 U	0.33 U
PCB095	ug/kg-Wet	1	1	100	0.44 J	0.44 J	0.44	0.44 J	0.44 J	0.44 J	0.44 J	0.44	0.44 J	0.44 J
PCB097	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB099	ug/kg-Wet	1	0	0						0.36 U	0.36 U	0.18	0.18 U	0.18 U
PCB101	ug/kg-Wet	1	1	100	1.9 J	1.9 J	1.9	1.9 J	1.9 J	1.9 J	1.9 J	1.9	1.9 J	1.9 J
PCB105	ug/kg-Wet	1	0	0						0.1 U	0.1 U	0.05	0.05 U	0.05 U
PCB110	ug/kg-Wet	1	1	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
PCB114	ug/kg-Wet	1	0	0						0.09 U	0.09 U	0.045	0.045 U	0.045 U
PCB118	ug/kg-Wet	1	1	100	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
PCB119	ug/kg-Wet	1	0	0						0.97 U	0.97 U	0.485	0.485 U	0.485 U
PCB123	ug/kg-Wet	1	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
PCB126	ug/kg-Wet	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB128	ug/kg-Wet	1	0	0						0.17 U	0.17 U	0.085	0.085 U	0.085 U
PCB132	ug/kg-Wet	1	0	0						0.69 U	0.69 U	0.345	0.345 U	0.345 U
PCB138	ug/kg-Wet	1	1	100	1.8 J	1.8 J	1.8	1.8 J	1.8 J	1.8 J	1.8 J	1.8	1.8 J	1.8 J
PCB141	ug/kg-Wet	1	0	0						0.09 U	0.09 U	0.045	0.045 U	0.045 U
PCB149	ug/kg-Wet	1	0	0						0.69 U	0.69 U	0.345	0.345 U	0.345 U
PCB151	ug/kg-Wet	1	0	0						0.099 U	0.099 U	0.0495	0.0495 U	0.0495 U
PCB153	ug/kg-Wet	1	1	100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
PCB156	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
PCB157	ug/kg-Wet	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
PCB158	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
PCB166	ug/kg-Wet	1	0	0						0.36 U	0.36 U	0.18	0.18 U	0.18 U
PCB167	ug/kg-Wet	1	0	0						0.1 U	0.1 U	0.05	0.05 U	0.05 U
PCB168	ug/kg-Wet	1	0	0						0.26 U	0.26 U	0.13	0.13 U	0.13 U
PCB169	ug/kg-Wet	1	0	0						0.36 U	0.36 U	0.18	0.18 U	0.18 U
PCB170	ug/kg-Wet	1	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
PCB174	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
PCB177	ug/kg-Wet	1	1	100	0.21 J	0.21 J	0.21	0.21 J	0.21 J	0.21 J	0.21 J	0.21	0.21 J	0.21 J
PCB180	ug/kg-Wet	1	1	100	0.44 J	0.44 J	0.44	0.44 J	0.44 J	0.44 J	0.44 J	0.44	0.44 J	0.44 J
PCB183	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB184	ug/kg-Wet	1	0	0						0.083 U	0.083 U	0.0415	0.0415 U	0.0415 U
PCB187	ug/kg-Wet	1	1	100	0.52 J	0.52 J	0.52	0.52 J	0.52 J	0.52 J	0.52 J	0.52	0.52 J	0.52 J
PCB189	ug/kg-Wet	1	0	0						0.1 U	0.1 U	0.05	0.05 U	0.05 U
PCB194	ug/kg-Wet	1	0	0						0.68 U	0.68 U	0.34	0.34 U	0.34 U
PCB195	ug/kg-Wet	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
PCB201	ug/kg-Wet	1	0	0						0.083 U	0.083 U	0.0415	0.0415 U	0.0415 U
PCB203	ug/kg-Wet	1	0	0						0.29 U	0.29 U	0.145	0.145 U	0.145 U
PCB206	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB209	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Total PCB Congeners	ug/kg-Wet	1	1	100	16.6 JT	16.6 JT	16.6	16.6 JT	16.6 JT	16.6 JT	16.6 JT	16.6	16.6 JT	16.6 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	1	0	0						0.32 U	0.32 U	0.16	0.16 U	0.16 U
2,4'-DDE	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
2,4'-DDT	ug/kg-Wet	1	1	100	2.1 J	2.1 J	2.1	2.1 J	2.1 J	2.1 J	2.1 J	2.1	2.1 J	2.1 J
4,4'-DDD	ug/kg-Wet	1	1	100	0.69 J	0.69 J	0.69	0.69 J	0.69 J	0.69 J	0.69 J	0.69	0.69 J	0.69 J
4,4'-DDE	ug/kg-Wet	1	1	100	1.2 J	1.2 J	1.2	1.2 J	1.2 J	1.2 J	1.2 J	1.2	1.2 J	1.2 J
4,4'-DDT	ug/kg-Wet	1	1	100	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Aldrin	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
alpha-Endosulfan	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.32 U	0.32 U	0.16	0.16 U	0.16 U
beta-Endosulfan	ug/kg-Wet	1	0	0						0.48 U	0.48 U	0.24	0.24 U	0.24 U
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.62 U	0.62 U	0.31	0.31 U	0.31 U
cis-Chlordane	ug/kg-Wet	1	1	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
cis-Nonachlor	ug/kg-Wet	1	0	0						0.96 U	0.96 U	0.48	0.48 U	0.48 U
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
Dieldrin	ug/kg-Wet	1	1	100	0.55 J	0.55 J	0.55	0.55 J	0.55 J	0.55 J	0.55 J	0.55	0.55 J	0.55 J
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.73 NJ	0.73 NJ	0.73	0.73 NJ	0.73 NJ	0.73 NJ	0.73 NJ	0.73	0.73 NJ	0.73 NJ
Endrin aldehyde	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Endrin ketone	ug/kg-Wet	1	0	0						0.4 U	0.4 U	0.2	0.2 U	0.2 U
Endrin	ug/kg-Wet	1	0	0						0.075 U	0.075 U	0.0375	0.0375 U	0.0375 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.17 U	0.17 U	0.085	0.085 U	0.085 U
Heptachlor epoxide	ug/kg-Wet	1	0	0						0.34 U	0.34 U	0.17	0.17 U	0.17 U
Heptachlor	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
Methoxychlor	ug/kg-Wet	1	0	0						0.32 U	0.32 U	0.16	0.16 U	0.16 U
Mirex	ug/kg-Wet	1	0	0						0.24 U	0.24 U	0.12	0.12 U	0.12 U
Oxychlordane	ug/kg-Wet	1	0	0						0.89 U	0.89 U	0.445	0.445 U	0.445 U
Total Chlordanes	ug/kg-Wet	1	1	100	4.6 JT	4.6 JT	4.6	4.6 JT	4.6 JT	4.6 JT	4.6 JT	4.6	4.6 JT	4.6 JT
Total Endosulfan	ug/kg-Wet	1	1	100	0.73 JT	0.73 JT	0.73	0.73 JT	0.73 JT	0.73 JT	0.73 JT	0.73	0.73 JT	0.73 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	5.89 JT	5.89 JT	5.89	5.89 JT	5.89 JT	5.89 JT	5.89 JT	5.89	5.89 JT	5.89 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	0.69 JT	0.69 JT	0.69	0.69 JT	0.69 JT	0.69 JT	0.69 JT	0.69	0.69 JT	0.69 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	1.2 JT	1.2 JT	1.2	1.2 JT	1.2 JT	1.2 JT	1.2 JT	1.2	1.2 JT	1.2 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	4 JT	4 JT	4	4 JT	4 JT	4 JT	4 JT	4	4 JT	4 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	3.79 T	3.79 T	3.79	3.79 T	3.79 T	3.79 T	3.79 T	3.79	3.79 T	3.79 T
Toxaphene	ug/kg-Wet	1	0	0						42 U	42 U	21	21 U	21 U
trans-Chlordane	ug/kg-Wet	1	1	100	1.7 J	1.7 J	1.7	1.7 J	1.7 J	1.7 J	1.7 J	1.7	1.7 J	1.7 J

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Table C1-26. Summary Statistics - Clams (*Corbicula* spp.).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
trans-Nonachlor	ug/kg-Wet	1	1	100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	1	0	0						55 U	55 U	27.5	27.5 U	27.5 U
2,3,4,6-Tetrachlorophenol	ug/kg-Wet	1	0	0						55 U	55 U	27.5	27.5 U	27.5 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	1	0	0						42 U	42 U	21	21 U	21 U
2,4,5-Trichlorophenol	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2,4,6-Trichlorophenol	ug/kg-Wet	1	0	0						8.8 U	8.8 U	4.4	4.4 U	4.4 U
2,4-Dichlorophenol	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2,4-Dinitrophenol	ug/kg-Wet	1	0	0						23 U	23 U	11.5	11.5 U	11.5 U
2-Chlorophenol	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2-Methylphenol	ug/kg-Wet	1	0	0						53 U	53 U	26.5	26.5 U	26.5 U
2-Nitrophenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4-Chloro-3-methylphenol	ug/kg-Wet	1	0	0						72 U	72 U	36	36 U	36 U
4-Methylphenol	ug/kg-Wet	1	0	0						15 U	15 U	7.5	7.5 U	7.5 U
4-Nitrophenol	ug/kg-Wet	1	0	0						7.5 U	7.5 U	3.75	3.75 U	3.75 U
Pentachlorophenol	ug/kg-Wet	1	1	100	46 J	46 J	46	46 J	46 J	46 J	46 J	46	46 J	46 J
Phenol	ug/kg-Wet	1	0	0						33 U	33 U	16.5	16.5 U	16.5 U
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	85 J	85 J	85	85 J	85 J	85 J	85 J	85	85 J	85 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						23 U	23 U	11.5	11.5 U	11.5 U
Diethyl phthalate	ug/kg-Wet	1	0	0						19 U	19 U	9.5	9.5 U	9.5 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						23 UJ	23 UJ	11.5	11.5 UJ	11.5 UJ
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2,4-Dinitrotoluene	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
2,6-Dinitrotoluene	ug/kg-Wet	1	0	0						7 U	7 U	3.5	3.5 U	3.5 U
2-Chloronaphthalene	ug/kg-Wet	1	0	0						5.9 U	5.9 U	2.95	2.95 U	2.95 U
2-Nitroaniline	ug/kg-Wet	1	0	0						26 U	26 U	13	13 U	13 U
3,3'-Dichlorobenzidine	ug/kg-Wet	1	0	0						780 UJ	780 UJ	390	390 UJ	390 UJ
3-Nitroaniline	ug/kg-Wet	1	0	0						8.9 U	8.9 U	4.45	4.45 U	4.45 U
4-Bromophenyl phenyl ether	ug/kg-Wet	1	0	0						5.5 U	5.5 U	2.75	2.75 U	2.75 U
4-Chloroaniline	ug/kg-Wet	1	0	0						5.9 U	5.9 U	2.95	2.95 U	2.95 U
4-Chlorophenyl phenyl ether	ug/kg-Wet	1	0	0						4.5 U	4.5 U	2.25	2.25 U	2.25 U
4-Nitroaniline	ug/kg-Wet	1	0	0						26 U	26 U	13	13 U	13 U
Aniline	ug/kg-Wet	1	0	0						230 UJ	230 UJ	115	115 UJ	115 UJ
Azobenzene	ug/kg-Wet	1	0	0						40 U	40 U	20	20 U	20 U
Benzoic acid	ug/kg-Wet	1	1	100	1400 J	1400 J	1400	1400 J	1400 J	1400 J	1400 J	1400	1400 J	1400 J
Benzyl alcohol	ug/kg-Wet	1	1	100	13 J	13 J	13	13 J	13 J	13 J	13 J	13	13 J	13 J
Bis(2-chloroethoxy) methane	ug/kg-Wet	1	0	0						5 U	5 U	2.5	2.5 U	2.5 U
Bis(2-chloroethyl) ether	ug/kg-Wet	1	0	0						8.7 U	8.7 U	4.35	4.35 U	4.35 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Carbazole	ug/kg-Wet	1	0	0						33 U	33 U	16.5	16.5 U	16.5 U
Dibenzofuran	ug/kg-Wet	1	1	100	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Hexachlorobenzene	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
Hexachlorobutadiene	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
Hexachlorocyclopentadiene	ug/kg-Wet	1	0	0						5000 U	5000 U	2500	2500 U	2500 U
Hexachloroethane	ug/kg-Wet	1	1	100	1.3 J	1.3 J	1.3	1.3 J	1.3 J	1.3 J	1.3 J	1.3	1.3 J	1.3 J
Isophorone	ug/kg-Wet	1	0	0						5.8 U	5.8 U	2.9	2.9 U	2.9 U
Nitrobenzene	ug/kg-Wet	1	1	100	19 J	19 J	19	19 J	19 J	19 J	19 J	19	19 J	19 J
N-Nitrosodimethylamine	ug/kg-Wet	1	0	0						10 U	10 U	5	5 U	5 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
N-Nitrosodipropylamine	ug/kg-Wet	1	0	0						8.2 U	8.2 U	4.1	4.1 U	4.1 U

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the com

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-27. Summary Statistics - Crayfish.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	27	0	0						0.95 U	9.7 U	1.04	0.475 U	2.8 U
Aroclor 1221	ug/kg-Wet	27	0	0						0.95 U	26 U	2.38	1.75 U	4.4 U
Aroclor 1232	ug/kg-Wet	27	0	0						0.95 U	30 U	1.93	0.65 U	4.45 U
Aroclor 1242	ug/kg-Wet	27	0	0						0.95 U	18 U	1.36	0.5 U	3.75 U
Aroclor 1248	ug/kg-Wet	27	0	0						0.95 U	30 U	2.88	0.95 U	9 U
Aroclor 1254	ug/kg-Wet	27	0	0						1 U	61 U	4.69	2.85 U	11 U
Aroclor 1260	ug/kg-Wet	27	12	44.4	16	280	63.6	43	110	1.4 U	280	29.2	2.5 U	59
Aroclor 1262	ug/kg-Wet	27	0	0						0.95 U	9.5 U	0.809	0.475 U	0.95 U
Aroclor 1268	ug/kg-Wet	27	0	0						0.95 U	9.5 U	0.809	0.475 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	27	12	44.4	16 T	280 T	63.6	43 T	110 T	1.7 UT	280 T	29.5	3.5 UT	59 T
Conventionals														
Lipids	percent-Wet	27	27	100	0.16	1.3	0.781	0.79	1.1	0.16	1.3	0.781	0.79	1.1
Total solids	percent-Wet	27	27	100	22.9	30.7	26.4	26.7	28.6	22.9	30.7	26.4	26.7	28.6
Dioxin_Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	10	10	100	0.525	8.62	2.02	1.02	3.62	0.525	8.62	2.02	1.02	3.62
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	10	10	100	2.37	22.6	8.75	5.83	16.1	2.37	22.6	8.75	5.83	16.1
Hexachlorodibenzofuran homologs	pg/g-Wet	10	10	100	0.464	34.6	6.01	1.65	11.5	0.464	34.6	6.01	1.65	11.5
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	10	10	100	0.838	3.98	2.23	1.75	3.94	0.838	3.98	2.23	1.75	3.94
Octachlorodibenzofuran	pg/g-Wet	10	9	90	0.377	6.08	1.61	1.19	1.79	0.307 U	6.08	1.46	0.89	1.79
Octachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	7.72	57.2	21.6	17.5	30	7.72	57.2	21.6	17.5	30
Pentachlorodibenzofuran homologs	pg/g-Wet	10	10	100	1.48	89.2	14.9	4.07	18.3	1.48	89.2	14.9	4.07	18.3
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	10	10	100	0.285	1.34	0.653	0.57	1.1	0.285	1.34	0.653	0.57	1.1
Tetrachlorodibenzofuran homologs	pg/g-Wet	10	10	100	2.66	105	14.3	3.57	7.24	2.66	105	14.3	3.57	7.24
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	10	10	100	0.329	0.947	0.663	0.617	0.844	0.329	0.947	0.663	0.617	0.844
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	10	9	90	0.293	4.71	1.04	0.493	1.67	0.19 U	4.71	0.944	0.484	1.67
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.992	8.73	3.18	2.64	4.17	0.992	8.73	3.18	2.64	4.17
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	10	9	90	0.026	2.15	0.278	0.037	0.117	0.016 U	2.15	0.251	0.029	0.117
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	10	9	90	0.138	23.2	3.15	0.249	2.85	0.066 U	23.2	2.84	0.241	2.85
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.029	0.131	0.0645	0.047	0.102	0.029	0.131	0.0645	0.047	0.102
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	10	7	70	0.084	4.72	0.889	0.192	0.627	0.038 U	4.72	0.632	0.099	0.627
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.155	1.26	0.44	0.301	0.717	0.155	1.26	0.44	0.301	0.717
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	10	3	30	0.015	0.339	0.138	0.059	0.059	0.011 U	0.339	0.0452	0.0055 U	0.059
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.061	0.22	0.139	0.111	0.199	0.061	0.22	0.139	0.111	0.199
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	10	10	100	0.13	36.8	4.27	0.251	2.34	0.13	36.8	4.27	0.251	2.34
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.149	0.439	0.241	0.19	0.388	0.149	0.439	0.241	0.19	0.388
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	10	10	100	0.033 J	0.79	0.15	0.051	0.265	0.033 J	0.79	0.15	0.051	0.265
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	10	10	100	0.191	18.7	2.41	0.433	1.5	0.191	18.7	2.41	0.433	1.5
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	10	10	100	0.551	79.2	9.26	0.875	4.02	0.551	79.2	9.26	0.875	4.02
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	10	10	100	0.077	0.252	0.162	0.159	0.228	0.077	0.252	0.162	0.159	0.228
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	10	10	100	0.455 T	22.7 T	3.22	0.79 T	2.16 T	0.455 T	22.7 T	3.22	0.79 T	2.16 T
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	10	10	100	0.488 T	4.55 T	1.78	1.13 T	4.42 T	0.488 T	4.55 T	1.78	1.13 T	4.42 T
Total PCDD/F	pg/g-Wet	10	10	100	18.4 T	281 T	72.6	42.6 T	114 T	18.4 T	281 T	72.6	42.6 T	114 T
Total TCDD toxicity equivalent	pg/g-Wet	10	10	100	1.84 JT	23.8 T	5.01	2.37 JT	5.06 JT	1.84 JT	23.8 T	5.01	2.37 JT	5.06 JT
Metals														
Aluminum	mg/kg-Wet	27	27	100	35 J	203	94.4	89.7	145	35 J	203	94.4	89.7	145
Antimony	mg/kg-Wet	27	25	92.6	0.004 J	0.02 J	0.008	0.007 J	0.014 J	0.004 UJ	0.02 J	0.00757	0.006 J	0.014 J
Arsenic	mg/kg-Wet	27	27	100	0.25	0.5 J	0.352	0.35 J	0.41 J	0.25	0.5 J	0.352	0.35 J	0.41 J
Cadmium	mg/kg-Wet	27	27	100	0.007 J	0.036 J	0.0177	0.016 J	0.029 J	0.007 J	0.036 J	0.0177	0.016 J	0.029 J
Chromium	mg/kg-Wet	27	27	100	0.09 J	0.9	0.475	0.4	0.9	0.09 J	0.9	0.475	0.4	0.9
Copper	mg/kg-Wet	27	27	100	10.4	17.6	14.1	13.8	17	10.4	17.6	14.1	13.8	17
Lead	mg/kg-Wet	27	27	100	0.041 J	1.3 JT	0.147	0.091 J	0.229 J	0.041 J	1.3 JT	0.147	0.091 J	0.229 J
Manganese	mg/kg-Wet	27	27	100	58.9	213	138	137	193	58.9	213	138	137	193
Mercury	mg/kg-Wet	27	27	100	0.02	0.041	0.0283	0.028	0.037	0.02	0.041	0.0283	0.028	0.037
Nickel	mg/kg-Wet	27	26	96.3	0.18	0.83	0.391	0.38 J	0.55 J	0.18	0.83	0.381	0.38 J	0.55 J
Selenium	mg/kg-Wet	27	0	0						0.2 U	0.3 U	0.139	0.15 U	0.15 U
Silver	mg/kg-Wet	27	25	92.6	0.0154 J	0.0472 J	0.0307	0.03 J	0.0434 JT	0.0154 J	0.0472 J	0.0291	0.0293 J	0.0434 JT
Thallium	mg/kg-Wet	27	27	100	0.0015 J	0.0079 J	0.00325	0.0027 J	0.0054 J	0.0015 J	0.0079 J	0.00325	0.0027 J	0.0054 J
Zinc	mg/kg-Wet	27	27	100	13.7 J	20.3 J	16.7	16.6 J	19.1 J	13.7 J	20.3 J	16.7	16.6 J	19.1 J
PAHs														
2-Methylnaphthalene	ug/kg-Wet	27	0	0						17 UT	73 UT	17.8	16.5 UT	18.5 UT
Acenaphthene	ug/kg-Wet	27	0	0						33 UT	83 UT	17.9	16.5 UT	18.5 UT
Acenaphthylene	ug/kg-Wet	27	0	0						17 UT	90 UT	17.3	16.5 UT	16.5 UT
Anthracene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Benzo(a)anthracene	ug/kg-Wet	27	1	3.7	80 JT	80 JT	80	80 JT	80 JT	17 UT	80 JT	18.6	16.5 UT	16.5 UT
Benzo(a)pyrene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Benzo(b)fluoranthene	ug/kg-Wet	27	0	0						17 UT	63 UT	16.8	16.5 UT	16.5 UT
Benzo(g,h,i)perylene	ug/kg-Wet	27	0	0						17 UT	70 UT	17	16.5 UT	16.5 UT
Benzo(k)fluoranthene	ug/kg-Wet	27	0	0						17 UT	77 UT	17.1	16.5 UT	16.5 UT
Chrysene	ug/kg-Wet	27	1	3.7	87 T	87 T	87	87 T	87 T	17 UT	87 T	18.9	16.5 UT	16.5 UT
Dibenzo(a,h)anthracene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Fluoranthene	ug/kg-Wet	27	3	11.1	93 JT	130 T	111	110 T	110 T	17 UT	130 T	33.6	16.5 UT	93 JT
Fluorene	ug/kg-Wet	27	0	0						17 UT	70 UT	17.6	16.5 UT	18.5 UT
High Molecular Weight PAH	ug/kg-Wet	27	3	11.1	93 JT	380 JT	214	170 T	170 T	17 UT	380 JT	45.9	16.5 UT	93 JT

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Table C1-27. Summary Statistics - Crayfish.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Low Molecular Weight PAH	ug/kg-Wet	27	1	3.7	97 T	97 T	97	97 T	97 T	33 UT	97 T	30.8	35 UT	45 UT
Naphthalene	ug/kg-Wet	27	0	0						17 UT	82 UT	26.7	34.5 UT	35 UT
Phenanthrene	ug/kg-Wet	27	1	3.7	97 T	97 T	97	97 T	97 T	17 UT	97 T	21.3	16.5 UT	41.5 UT
Pyrene	ug/kg-Wet	27	2	7.41	60 T	83 T	71.5	60 T	60 T	17 UT	83 T	23.6	16.5 UT	32 UT
Total PAHs	ug/kg-Wet	27	3	11.1	93 JT	477 JT	247	170 T	170 T	33 UT	477 JT	53.7	35 UT	93 JT
PCB_Congeners														
PCB001	ug/kg-Wet	10	5	50	0.00238 NJ	10.6	2.12	0.0036	0.00405 J	0.00219 U	10.6	1.06	0.00202 U	0.00405 J
PCB002	ug/kg-Wet	10	1	10	0.0157	0.0157	0.0157	0.0157	0.0157	0.00184 U	0.0157	0.00278	0.00168 U	0.001705 U
PCB003	ug/kg-Wet	10	4	40	0.00453 J	0.862	0.219	0.00473 NJ	0.00493 J	0.00264 U	0.862	0.089	0.00242 U	0.00493 J
PCB004	ug/kg-Wet	10	6	60	0.00756 J	10.2	1.71	0.0141	0.0356	0.00756 J	10.2	1.03	0.00756 J	0.0356
PCB005	ug/kg-Wet	10	0	0						0.00239 U	0.00443 U	0.0017	0.001215 U	0.00219 U
PCB006	ug/kg-Wet	10	5	50	0.00471	0.541	0.121	0.0153	0.033	0.00357 U	0.541	0.062	0.0033 U	0.033
PCB007	ug/kg-Wet	10	1	10	0.00788 J	0.00788 J	0.00788	0.00788 J	0.00788 J	0.00379 U	0.00788 J	0.00328	0.00345 U	0.00351 U
PCB008	ug/kg-Wet	10	6	60	0.00548 J	3.07	0.527	0.0221 J	0.028	0.00548 J	3.07	0.318	0.00548 J	0.028
PCB009	ug/kg-Wet	10	5	50	0.00841	0.0238	0.016	0.0162	0.0211	0.00251 U	0.0238	0.00905	0.00232 U	0.0211
PCB010	ug/kg-Wet	10	1	10	0.386	0.386	0.386	0.386	0.386	0.00482 U	0.386	0.0418	0.004395 U	0.004465 U
PCB011	ug/kg-Wet	10	3	30	0.0289	0.118 J	0.0694	0.0613	0.0613	0.0232 U	0.118 J	0.0337	0.0211 U	0.0613
PCB012 & 013	ug/kg-Wet	10	4	40	0.00668 J	0.0303 J	0.013	0.00724 J	0.00794 J	0.00537 U	0.0303 J	0.00793	0.0049 U	0.00794 J
PCB014	ug/kg-Wet	10	0	0						0.00314 U	0.00581 U	0.00223	0.001595 U	0.002875 U
PCB015	ug/kg-Wet	10	10	100	0.0151	0.478	0.174	0.171	0.322	0.0151	0.478	0.174	0.171	0.322
PCB016	ug/kg-Wet	10	7	70	0.00661	0.0387	0.0171	0.0131	0.0256	0.00661	0.0387	0.0132	0.00859	0.0256
PCB017	ug/kg-Wet	10	7	70	0.00843	0.537	0.101	0.0338	0.0453	0.00676 U	0.537	0.0716	0.013	0.0453
PCB018 & 030	ug/kg-Wet	10	8	80	0.0256 J	0.363 J	0.123	0.0871 J	0.172 J	0.0154 U	0.363 J	0.0996	0.0582 J	0.172 J
PCB019	ug/kg-Wet	10	6	60	0.00465 J	0.534	0.0966	0.00845	0.0149	0.00465 J	0.534	0.0594	0.00465 J	0.0149
PCB020 & 028	ug/kg-Wet	10	10	100	0.0251 J	2.25 J	0.806	0.383 J	2.03 J	0.0251 J	2.25 J	0.806	0.383 J	2.03 J
PCB021 & 033	ug/kg-Wet	10	6	60	0.0285 J	0.0982 J	0.0636	0.0645 J	0.0938 J	0.00651 U	0.0982 J	0.0403	0.0285 J	0.0938 J
PCB022	ug/kg-Wet	10	6	60	0.0121	0.0517	0.0336	0.0339	0.0427	0.0042 U	0.0517	0.0215	0.0121	0.0427
PCB023	ug/kg-Wet	10	0	0						0.00388 U	0.00719 U	0.00276	0.001975 U	0.00356 U
PCB024	ug/kg-Wet	10	0	0						0.00502 U	0.0093 U	0.00356	0.00255 U	0.004605 U
PCB025	ug/kg-Wet	10	6	60	0.00566	0.0382	0.0228	0.0213	0.0301	0.00308 U	0.0382	0.0147	0.00566	0.0301
PCB026 & 029	ug/kg-Wet	10	8	80	0.0224 J	0.219 J	0.0915	0.08 J	0.132 J	0.0166 U	0.219 J	0.0749	0.0619 J	0.132 J
PCB027	ug/kg-Wet	10	5	50	0.00704	0.159	0.0386	0.0094	0.0102	0.00379 U	0.159	0.0209	0.00351 U	0.0102
PCB031	ug/kg-Wet	10	9	90	0.0177	0.389	0.163	0.133	0.324	0.0112 U	0.389	0.147	0.112	0.324
PCB032	ug/kg-Wet	10	7	70	0.00487 J	0.26	0.0545	0.0236	0.0327	0.00487 J	0.26	0.0392	0.0123	0.0327
PCB034	ug/kg-Wet	10	3	30	0.00341	0.00596	0.00448	0.00407	0.00407	0.00318 U	0.00596	0.00312	0.0029 U	0.00407
PCB035	ug/kg-Wet	10	2	20	0.00408 J	0.00865	0.00637	0.00408 J	0.00408 J	0.00234 U	0.00865	0.0027	0.002135 U	0.00408 J
PCB036	ug/kg-Wet	10	0	0						0.00393 U	0.00728 U	0.00279	0.002 U	0.003605 U
PCB037	ug/kg-Wet	10	10	100	0.0317	0.905	0.341	0.161	0.818	0.0317	0.905	0.341	0.161	0.818
PCB038	ug/kg-Wet	10	0	0						0.00292 U	0.00541 U	0.00207	0.001485 U	0.00268 U
PCB039	ug/kg-Wet	10	1	10	0.00584	0.00584	0.00584	0.00584	0.00584	0.00385 U	0.00714 U	0.00313	0.00351 U	0.00357 U
PCB040 & 041 & 071	ug/kg-Wet	10	7	70	0.0121 J	0.108 J	0.061	0.0607 J	0.0961 J	0.0121 J	0.108 J	0.0454	0.0285 J	0.0961 J
PCB042	ug/kg-Wet	10	7	70	0.0104	0.0797	0.0454	0.05	0.071	0.0104	0.0797	0.0334	0.0116	0.071
PCB043	ug/kg-Wet	10	3	30	0.0076	0.0176	0.0141	0.0171	0.0171	0.00748 U	0.0176	0.00841	0.00685 U	0.0171
PCB044 & 047 & 065	ug/kg-Wet	10	9	90	0.0796 J	0.519 J	0.285	0.286 J	0.425 J	0.0445 U	0.519 J	0.258	0.256 J	0.425 J
PCB045 & 051	ug/kg-Wet	10	6	60	0.0244 J	0.0629 J	0.0368	0.0291 J	0.0437 J	0.0118 U	0.0629 J	0.0259	0.0244 J	0.0437 J
PCB046	ug/kg-Wet	10	3	30	0.00594	0.0126	0.00879	0.00784	0.00784	0.00511 U	0.0126	0.00549	0.004665 U	0.00784
PCB048	ug/kg-Wet	10	6	60	0.00851	0.0509	0.0332	0.0376	0.0463	0.00828 U	0.0509	0.0226	0.00851	0.0463
PCB049 & 069	ug/kg-Wet	10	9	90	0.0263 J	0.293 J	0.121	0.0993 J	0.216 J	0.0196 U	0.293 J	0.11	0.0814 J	0.216 J
PCB050 & 053	ug/kg-Wet	10	5	50	0.0272 J	0.0615 J	0.0386	0.0326 J	0.0444 J	0.0119 U	0.0615 J	0.0242	0.011 U	0.0444 J
PCB052	ug/kg-Wet	10	10	100	0.0183	0.66	0.227	0.122	0.453	0.0183	0.66	0.227	0.122	0.453
PCB054	ug/kg-Wet	10	1	10	0.0172	0.0172	0.0172	0.0172	0.0172	0.00432 U	0.0172	0.00457	0.003935 U	0.004005 U
PCB055	ug/kg-Wet	10	0	0						0.00482 U	0.00892 U	0.00342	0.00245 U	0.004415 U
PCB056	ug/kg-Wet	10	7	70	0.00643	0.185	0.0627	0.0505	0.0957	0.00643	0.185	0.0448	0.0144	0.0957
PCB057	ug/kg-Wet	10	4	40	0.0054	0.0099	0.00743	0.00687	0.00755	0.00495 U	0.0099	0.00545	0.004465 U	0.00755
PCB058	ug/kg-Wet	10	2	20	0.00849	0.00932	0.00891	0.00849	0.00849	0.00597 U	0.0111 U	0.00542	0.00545 U	0.00849
PCB059 & 062 & 075	ug/kg-Wet	10	4	40	0.0144 J	0.031 J	0.0262	0.0287 J	0.0305 J	0.0109 U	0.031 J	0.016	0.01 U	0.0305 J
PCB060	ug/kg-Wet	10	10	100	0.00747	1.23	0.225	0.0954	0.239	0.00747	1.23	0.225	0.0954	0.239
PCB061 & 070 & 074 & 076	ug/kg-Wet	10	10	100	0.108 J	5.36 J	1.43	0.762 J	2.01 J	0.108 J	5.36 J	1.43	0.762 J	2.01 J
PCB063	ug/kg-Wet	10	10	100	0.0213	0.319	0.0965	0.0604	0.157	0.0213	0.319	0.0965	0.0604	0.157
PCB064	ug/kg-Wet	10	8	80	0.00956	0.12	0.0497	0.0265	0.0797	0.00923 U	0.12	0.0407	0.015	0.0797
PCB066	ug/kg-Wet	10	10	100	0.156	7.68	1.7	0.966	1.88	0.156	7.68	1.7	0.966	1.88
PCB067	ug/kg-Wet	10	4	40	0.0138	0.0344	0.0234	0.0224	0.0231	0.00709 U	0.0344	0.0129	0.0064 U	0.0231
PCB068	ug/kg-Wet	10	8	80	0.0126	0.0304	0.0199	0.0178	0.0245	0.00936 U	0.0304	0.0169	0.0169	0.0245
PCB072	ug/kg-Wet	10	5	50	0.00573	0.0222	0.0117	0.0104	0.0118	0.00573	0.0222	0.00827	0.004885 U	0.0118
PCB073	ug/kg-Wet	10	0	0						0.00629 U	0.0116 U	0.00446	0.003195 U	0.00575 U
PCB077	ug/kg-Wet	10	10	100	0.0254	0.945	0.195	0.103	0.209	0.0254	0.945	0.195	0.103	0.209
PCB078	ug/kg-Wet	10	0	0						0.00412 U	0.00764 U	0.00293	0.002095 U	0.00378 U
PCB079	ug/kg-Wet	10	7	70	0.00645	0.0398	0.0155	0.00994	0.0215	0.00277 U	0.0398	0.0115	0.00667	0.0215
PCB080	ug/kg-Wet	10	0	0						0.00606 U	0.0112 U	0.0043	0.003085 U	0.00555 U
PCB081	ug/kg-Wet	10	10	100	0.00154	0.0429	0.00899	0.00412	0.0101	0.00154	0.0429	0.00899	0.00412	0.0101
PCB082	ug/kg-Wet	10	5	50	0.00863	0.0492	0.0293	0.024	0.0466	0.00581 U	0.0492	0.017	0.0053 U	0.0466
PCB083 & 099	ug/kg-Wet	10	10	100	0.0652 J	3.25 J	1.14	0.607 J	2.91 J	0.0652 J	3.25 J	1.14	0.607 J	2.91 J
PCB084	ug/kg-Wet	10	7	70	0.00939	0.12	0.039	0.0336	0.0491	0.00939	0.12	0.0298	0.00994	0.0491
PCB085 & 116 & 117	ug/kg-Wet	10	10	100	0.0391 J	0.513 J	0.177	0.103 J	0.408 J	0.0391 J	0.513 J	0.177	0.103 J	0.408 J
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	10	9	90	0.0753 J	0.852 J	0.268	0.176 J	0.447 J	0.0302 U	0.852 J	0.243	0.139 J	0.447 J
PCB088 & 091	ug/kg-Wet	10	7	70	0.0109 J	0.0934 J	0.0364	0.0274 J	0.0414 J	0.0109 J	0.0934 J	0.0279	0.0237 J	0.0414 J

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Table C1-27. Summary Statistics - Crayfish.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB089	ug/kg-Wet	10	0	0						0.0048 U	0.00889 U	0.00341	0.00244 U	0.0044 U
PCB090 & 101 & 113	ug/kg-Wet	10	10	100	0.0837 J	1.71 J	0.527	0.369 J	0.731 J	0.0837 J	1.71 J	0.527	0.369 J	0.731 J
PCB092	ug/kg-Wet	10	9	90	0.0338	0.301	0.0897	0.0721	0.0878	0.0104 U	0.301	0.0812	0.0676	0.0878
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	10	9	90	0.101 J	0.924 J	0.252	0.183 J	0.236 J	0.0411 U	0.924 J	0.229	0.147 J	0.236 J
PCB094	ug/kg-Wet	10	0	0						0.00488 U	0.00903 U	0.00346	0.00248 U	0.004475 U
PCB096	ug/kg-Wet	10	0	0						0.0064 U	0.0119 U	0.00455	0.003255 U	0.00585 U
PCB103	ug/kg-Wet	10	6	60	0.00518	0.0221	0.0137	0.00988	0.021	0.00451 U	0.0221	0.00971	0.00518	0.021
PCB104	ug/kg-Wet	10	0	0						0.00738 U	0.0137 U	0.00524	0.00375 U	0.00675 U
PCB105	ug/kg-Wet	10	10	100	0.0575	2.52	0.717	0.356	1.86	0.0575	2.52	0.717	0.356	1.86
PCB106	ug/kg-Wet	10	0	0						0.00971 U	0.018 U	0.00689	0.004935 U	0.0089 U
PCB107 & 124	ug/kg-Wet	10	4	40	0.032 J	0.107 J	0.0624	0.0418 J	0.0687 J	0.0194 U	0.107 J	0.0346	0.0175 U	0.0687 J
PCB109	ug/kg-Wet	10	10	100	0.0871	0.775	0.285	0.19	0.557	0.0871	0.775	0.285	0.19	0.557
PCB110 & 115	ug/kg-Wet	10	10	100	0.0296 J	0.602 J	0.154	0.0798 J	0.302 J	0.0296 J	0.602 J	0.154	0.0798 J	0.302 J
PCB111	ug/kg-Wet	10	1	10	0.0158	0.0158	0.0158	0.0158	0.0158	0.00561 U	0.0158	0.00505	0.00285 U	0.0052 U
PCB112	ug/kg-Wet	10	0	0						0.00691 U	0.0128 U	0.00491	0.00351 U	0.00635 U
PCB114	ug/kg-Wet	10	10	100	0.0339	0.387	0.108	0.0569	0.18	0.0339	0.387	0.108	0.0569	0.18
PCB118	ug/kg-Wet	10	10	100	1.02	9.63	3.36	2.01	7.82	1.02	9.63	3.36	2.01	7.82
PCB120	ug/kg-Wet	10	9	90	0.0102	0.0488	0.02	0.015	0.031	0.00729 U	0.0488	0.0184	0.0144	0.031
PCB121	ug/kg-Wet	10	0	0						0.00406 U	0.00752 U	0.00288	0.002065 U	0.00372 U
PCB122	ug/kg-Wet	10	3	30	0.0358	0.0558	0.0486	0.0542	0.0542	0.0117 U	0.0558	0.0211	0.0106 U	0.0542
PCB123	ug/kg-Wet	10	10	100	0.025	0.315	0.0893	0.0503	0.179	0.025	0.315	0.0893	0.0503	0.179
PCB126	ug/kg-Wet	10	10	100	0.00184	0.0259	0.00939	0.00615	0.0223	0.00184	0.0259	0.00939	0.00615	0.0223
PCB127	ug/kg-Wet	10	2	20	0.014	0.0179	0.016	0.014	0.014	0.00956 U	0.0179	0.00899	0.0087 U	0.014
PCB128 & 166	ug/kg-Wet	10	9	90	0.0185 J	0.192 J	0.0644	0.0457 J	0.101 J	0.0133 U	0.192 J	0.0586	0.0379 J	0.101 J
PCB129 & 138 & 160 & 163	ug/kg-Wet	10	10	100	1.11 J	14.7 J	3.91	2.13 J	5.8 J	1.11 J	14.7 J	3.91	2.13 J	5.8 J
PCB130	ug/kg-Wet	10	10	100	0.0182	0.503	0.146	0.111	0.182	0.0182	0.503	0.146	0.111	0.182
PCB131	ug/kg-Wet	10	2	20	0.00675	0.0223	0.0145	0.00675	0.00675	0.00608 U	0.0223	0.00661	0.00555 U	0.00675
PCB132	ug/kg-Wet	10	10	100	0.0153	0.27	0.0711	0.0477	0.107	0.0153	0.27	0.0711	0.0477	0.107
PCB133	ug/kg-Wet	10	10	100	0.0219	0.257	0.0972	0.0596	0.205	0.0219	0.257	0.0972	0.0596	0.205
PCB134 & 143	ug/kg-Wet	10	7	70	0.0161 J	0.141 J	0.0479	0.0245 J	0.0609 J	0.0161 J	0.141 J	0.0364	0.0164 J	0.0609 J
PCB135 & 151 & 154	ug/kg-Wet	10	9	90	0.105 J	0.847 J	0.333	0.231 J	0.691 J	0.0302 U	0.847 J	0.302	0.189 J	0.691 J
PCB136	ug/kg-Wet	10	10	100	0.00729	0.134	0.0429	0.0255	0.0954	0.00729	0.134	0.0429	0.0255	0.0954
PCB137	ug/kg-Wet	10	10	100	0.0936	0.838	0.285	0.168	0.459	0.0936	0.838	0.285	0.168	0.459
PCB139 & 140	ug/kg-Wet	10	4	40	0.0136 J	0.0548 J	0.0313	0.0256 J	0.0313 J	0.0086 U	0.0548 J	0.0168	0.00775 U	0.0313 J
PCB141	ug/kg-Wet	10	7	70	0.0481	0.513	0.166	0.0942	0.219	0.00837 U	0.513	0.118	0.0636	0.219
PCB142	ug/kg-Wet	10	0	0						0.00599 U	0.0111 U	0.00425	0.003045 U	0.0055 U
PCB144	ug/kg-Wet	10	9	90	0.0164	0.136	0.0433	0.0307	0.0508	0.00824 U	0.136	0.0394	0.0224	0.0508
PCB145	ug/kg-Wet	10	0	0						0.00235 U	0.00436 U	0.00167	0.001195 U	0.002155 U
PCB146	ug/kg-Wet	10	10	100	0.43	4.88	1.6	0.9	3.07	0.43	4.88	1.6	0.9	3.07
PCB147 & 149	ug/kg-Wet	10	10	100	0.0764 J	1.75 J	0.521	0.353 J	0.895 J	0.0764 J	1.75 J	0.521	0.353 J	0.895 J
PCB148	ug/kg-Wet	10	2	20	0.00566	0.00992	0.00779	0.00566	0.00566	0.00482 U	0.00992	0.00429	0.004385 U	0.00566
PCB150	ug/kg-Wet	10	2	20	0.00398	0.00451	0.00425	0.00398	0.00398	0.00215 U	0.00451	0.00207	0.00196 U	0.00398
PCB152	ug/kg-Wet	10	0	0						0.00568 U	0.0105 U	0.00404	0.00289 U	0.0052 U
PCB153 & 168	ug/kg-Wet	10	10	100	2.28 J	30.7 J	8.45	4.55 J	12.4 J	2.28 J	30.7 J	8.45	4.55 J	12.4 J
PCB155	ug/kg-Wet	10	0	0						0.00431 U	0.00798 U	0.00306	0.00219 U	0.00395 U
PCB156	ug/kg-Wet	10	10	100	0.207	1.79	0.592	0.458	0.73	0.207	1.79	0.592	0.458	0.73
PCB157	ug/kg-Wet	10	10	100	0.0269	0.258	0.0798	0.0499	0.121	0.0269	0.258	0.0798	0.0499	0.121
PCB158	ug/kg-Wet	10	9	90	0.0454	0.567	0.137	0.0696	0.158	0.00888 U	0.567	0.124	0.0665	0.158
PCB159	ug/kg-Wet	10	4	40	0.0104	0.048	0.0266	0.0186	0.0293	0.00528 U	0.048	0.0129	0.00482 U	0.0293
PCB161	ug/kg-Wet	10	0	0						0.00663 U	0.0123 U	0.00471	0.00337 U	0.0061 U
PCB162	ug/kg-Wet	10	6	60	0.0146	0.0495	0.0253	0.0214	0.026	0.00807 U	0.0495	0.0177	0.0146	0.026
PCB164	ug/kg-Wet	10	9	90	0.0157	0.215	0.0662	0.047	0.0942	0.012 U	0.215	0.0602	0.0461	0.0942
PCB165	ug/kg-Wet	10	3	30	0.00612	0.0158	0.0101	0.00833	0.00833	0.0055 U	0.0158	0.00586	0.004995 U	0.00833
PCB167	ug/kg-Wet	10	10	100	0.126	1.05	0.348	0.23	0.647	0.126	1.05	0.348	0.23	0.647
PCB169	ug/kg-Wet	10	3	30	0.000819	0.00167	0.00134	0.00154	0.00154	0.000722 U	0.00167	0.000657	0.0003645 U	0.00154
PCB170	ug/kg-Wet	10	10	100	0.259	7.42	1.6	0.675	2.41	0.259	7.42	1.6	0.675	2.41
PCB171 & 173	ug/kg-Wet	10	9	90	0.0386 J	0.674 J	0.161	0.0919 J	0.215 J	0.0277 U	0.674 J	0.146	0.069 J	0.215 J
PCB172	ug/kg-Wet	10	10	100	0.0236	0.699	0.171	0.102	0.237	0.0236	0.699	0.171	0.102	0.237
PCB174	ug/kg-Wet	10	10	100	0.0178	0.884	0.258	0.0958	0.534	0.0178	0.884	0.258	0.0958	0.534
PCB175	ug/kg-Wet	10	8	80	0.0158	0.278	0.0707	0.0318	0.0914	0.0158	0.278	0.0585	0.0196	0.0914
PCB176	ug/kg-Wet	10	9	90	0.00734	0.0719	0.0264	0.0159	0.0466	0.0069 U	0.0719	0.0241	0.0117	0.0466
PCB177	ug/kg-Wet	10	10	100	0.127	1.88	0.542	0.194	1.06	0.127	1.88	0.542	0.194	1.06
PCB178	ug/kg-Wet	10	10	100	0.0158	2.16	0.403	0.0953	0.808	0.0158	2.16	0.403	0.0953	0.808
PCB179	ug/kg-Wet	10	9	90	0.0122	0.149	0.0559	0.0372	0.128	0.0118 U	0.149	0.0509	0.0256	0.128
PCB180 & 193	ug/kg-Wet	10	10	100	1.47 J	44.9 J	11	3.54 J	23.8 J	1.47 J	44.9 J	11	3.54 J	23.8 J
PCB181	ug/kg-Wet	10	8	80	0.009	0.0654	0.0261	0.0139	0.0395	0.009	0.0654	0.0222	0.0126	0.0395
PCB182	ug/kg-Wet	10	0	0						0.00795 U	0.0147 U	0.00564	0.00404 U	0.0073 U
PCB183 & 185	ug/kg-Wet	10	10	100	0.199 J	5.77 J	1.15	0.442 J	1.69 J	0.199 J	5.77 J	1.15	0.442 J	1.69 J
PCB184	ug/kg-Wet	10	0	0						0.00701 U	0.013 U	0.00498	0.003565 U	0.00645 U
PCB186	ug/kg-Wet	10	0	0						0.00404 U	0.00748 U	0.00287	0.002055 U	0.003705 U
PCB187	ug/kg-Wet	10	10	100	0.878	27.3	6.46	2.08	12.5	0.878	27.3	6.46	2.08	12.5
PCB188	ug/kg-Wet	10	0	0						0.00763 U	0.0141 U	0.00541	0.00388 U	0.007 U
PCB189	ug/kg-Wet	10	10	100	0.0223	0.405	0.115	0.0494	0.285	0.0223	0.405	0.115	0.0494	0.285
PCB190	ug/kg-Wet	10	10	100	0.0639	1.34	0.323	0.12	0.498	0.0639	1.34	0.323	0.12	0.498
PCB191	ug/kg-Wet	10	10	100	0.0268	0.602	0.147	0.0496	0.266	0.0268	0.602	0.147	0.0496	0.266
PCB192	ug/kg-Wet	10	0	0						0.00364 U	0.00675 U	0.00259	0.00185 U	0.00334 U
PCB194	ug/kg-Wet	10	10	100	0.138	6.46	1.24	0.382	1.75	0.138	6.46	1.24	0.382	1.75

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Table C1-27. Summary Statistics - Crayfish.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB195	ug/kg-Wet	10	10	100	0.0525	2.39	0.46	0.151	0.63	0.0525	2.39	0.46	0.151	0.63
PCB196	ug/kg-Wet	10	10	100	0.091	4.32	0.828	0.216	1.24	0.091	4.32	0.828	0.216	1.24
PCB197 & 200	ug/kg-Wet	10	8	80	0.0138 J	0.349 J	0.079	0.0285 J	0.11 J	0.0138 J	0.349 J	0.0651	0.0199 J	0.11 J
PCB198 & 199	ug/kg-Wet	10	10	100	0.164 J	7.55 J	1.39	0.372 J	2.39 J	0.164 J	7.55 J	1.39	0.372 J	2.39 J
PCB201	ug/kg-Wet	10	10	100	0.0242	1.02	0.189	0.0517	0.335	0.0242	1.02	0.189	0.0517	0.335
PCB202	ug/kg-Wet	10	9	90	0.0196	0.649	0.137	0.0436	0.286	0.0182 U	0.649	0.125	0.0393	0.286
PCB203	ug/kg-Wet	10	10	100	0.0471	0.711	0.201	0.0888	0.304	0.0471	0.711	0.201	0.0888	0.304
PCB204	ug/kg-Wet	10	0	0						0.00963 U	0.0178 U	0.00684	0.0049 U	0.00885 U
PCB205	ug/kg-Wet	10	5	50	0.0131	0.0895	0.0366	0.0252	0.0343	0.0105 U	0.0895	0.0222	0.0097 U	0.0343
PCB206	ug/kg-Wet	10	10	100	0.0242	0.394	0.101	0.0591	0.133	0.0242	0.394	0.101	0.0591	0.133
PCB207	ug/kg-Wet	10	9	90	0.0132	0.289	0.0645	0.0325	0.0699	0.0115 U	0.289	0.0587	0.022	0.0699
PCB208	ug/kg-Wet	10	10	100	0.0148	0.247	0.0566	0.029	0.0805	0.0148	0.247	0.0566	0.029	0.0805
PCB209	ug/kg-Wet	10	10	100	0.0256	0.108	0.0493	0.0336	0.0887	0.0256	0.108	0.0493	0.0336	0.0887
Total PCB Congeners	ug/kg-Wet	10	10	100	14.2 JT	207 JT	60.5	38.2 JT	82.6 JT	14.2 JT	207 JT	60.5	38.2 JT	82.6 JT
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.0151 T	14.5 JT	1.65	0.196 JT	0.593 JT	0.0151 T	14.5 JT	1.65	0.196 JT	0.593 JT
Heptachlorobiphenyl homologs	ug/kg-Wet	10	10	100	3.3 JT	94.6 JT	22.5	7.34 JT	41.6 JT	3.3 JT	94.6 JT	22.5	7.34 JT	41.6 JT
Hexachlorobiphenyl homologs	ug/kg-Wet	10	10	100	5.28 JT	59.9 JT	16.9	8.65 JT	25.7 JT	5.28 JT	59.9 JT	16.9	8.65 JT	25.7 JT
Monochlorobiphenyl homologs	ug/kg-Wet	10	6	60	0.00306 T	11.5 T	1.92	0.00453 JT	0.00853 JT	0.00306 T	11.5 T	1.15	0.00306 T	0.00853 JT
Nonachlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.039 T	0.93 T	0.216	0.117 T	0.283 T	0.039 T	0.93 T	0.216	0.117 T	0.283 T
Octachlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.544 JT	23.5 JT	4.5	1.28 JT	6.85 JT	0.544 JT	23.5 JT	4.5	1.28 JT	6.85 JT
Pentachlorobiphenyl homologs	ug/kg-Wet	10	10	100	1.58 JT	19.3 JT	7.25	4.56 JT	18.8 JT	1.58 JT	19.3 JT	7.25	4.56 JT	18.8 JT
Tetrachlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.35 JT	17.5 JT	4.53	2.71 JT	6.04 JT	0.35 JT	17.5 JT	4.53	2.71 JT	6.04 JT
Trichlorobiphenyl homologs	ug/kg-Wet	10	10	100	0.0568 JT	4.23 JT	1.74	1.53 JT	3.62 JT	0.0568 JT	4.23 JT	1.74	1.53 JT	3.62 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	27	1	3.7	4.3 NJ	4.3 NJ	4.3	4.3 NJ	4.3 NJ	1 U	4.3 NJ	0.659	0.5 U	0.5 U
2,4'-DDE	ug/kg-Wet	27	3	11.1	1 NJ	3.3 NJ	1.9	1.4 NJ	1.4 NJ	1 UJ	3.3 NJ	0.674	0.5 UJ	1 U
2,4'-DDT	ug/kg-Wet	27	19	70.4	1.1 NJ	9.5 NJ	3.05	2.1 N	7.6 NJ	1 U	9.5 NJ	2.55	2.1 NJ	6.6 NJ
4,4'-DDD	ug/kg-Wet	27	5	18.5	1.2 NJ	17 NJ	6.76	3.1 J	9.6 NJ	1 U	17 NJ	1.66	0.5 U	3.1 J
4,4'-DDE	ug/kg-Wet	27	27	100	1.6 J	51	6.27	3.8	8.8	1.6 J	51	6.27	3.8	8.8
4,4'-DDT	ug/kg-Wet	27	8	29.6	1.5 N	14 J	5.48	2.3 NJ	10	1 U	14 J	2.24	1.2 UJ	9.5
Aldrin	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
alpha-Endosulfan	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
beta-Endosulfan	ug/kg-Wet	27	11	40.7	1 N	3.1 J	1.67	1.6 N	2.2 J	1 U	3.1 J	1.01	0.55 UJ	2.1 J
beta-Hexachlorocyclohexane	ug/kg-Wet	27	0	0						1 U	2 UJ	0.519	0.5 U	0.5 UJ
cis-Chlordane	ug/kg-Wet	27	0	0						1 U	2 UJ	0.519	0.5 U	0.5 UJ
cis-Nonachlor	ug/kg-Wet	27	0	0						1 UJ	2.3 U	0.589	0.5 UJ	0.9 U
delta-Hexachlorocyclohexane	ug/kg-Wet	27	0	0						1 U	2.8 U	0.552	0.5 U	0.5 U
Dieldrin	ug/kg-Wet	27	0	0						1 U	2 UJ	0.519	0.5 U	0.5 UJ
Endosulfan sulfate	ug/kg-Wet	27	0	0						1 U	2 UJ	0.519	0.5 U	0.5 UJ
Endrin aldehyde	ug/kg-Wet	27	0	0						1 U	2 UJ	0.522	0.5 U	0.5 UJ
Endrin ketone	ug/kg-Wet	27	0	0						1 U	2 UJ	0.519	0.5 U	0.5 UJ
Endrin	ug/kg-Wet	27	5	18.5	1.1 N	2.8 NJ	1.64	1.3 NJ	1.8 NJ	1 U	2.8 NJ	0.735	0.5 U	1.3 NJ
gamma-Hexachlorocyclohexane	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
Heptachlor epoxide	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
Heptachlor	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
Methoxychlor	ug/kg-Wet	27	0	0						1 U	2 U	0.519	0.5 U	0.5 U
Mirex	ug/kg-Wet	27	0	0						1 UJ	2 UJ	0.519	0.5 UJ	0.5 UJ
Oxychlordane	ug/kg-Wet	27	0	0						1 UJ	2 U	0.519	0.5 UJ	0.5 U
Total Chlordanes	ug/kg-Wet	27	5	18.5	1 T	2.7 JT	1.6	1.3 JT	1.9 JT	1 UT	2.7 JT	0.793	0.5 UJT	1.3 JT
Total Endosulfan	ug/kg-Wet	27	11	40.7	1 T	3.1 JT	1.67	1.6 T	2.2 JT	1 UT	3.1 JT	1.01	0.55 UJT	2.1 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	27	27	100	1.6 JT	84.9 JT	11.7	7.2 JT	17.9 JT	1.6 JT	84.9 JT	11.7	7.2 JT	17.9 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	27	5	18.5	1.2 JT	21.3 JT	7.62	3.1 JT	9.6 JT	1 UT	21.3 JT	1.82	0.5 UT	3.1 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	27	27	100	1.6 JT	51 T	6.49	4 T	8.8 T	1.6 JT	51 T	6.49	4 T	8.8 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	27	20	74.1	1.1 JT	17.5 JT	5.09	3 JT	12.6 T	1 UT	17.5 JT	4.18	2.35 UJT	9.5 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	27	27	100	1.6 JT	78 JT	9.15	4.8 JT	14.6 JT	1.6 JT	78 JT	9.15	4.8 JT	14.6 JT
Toxaphene	ug/kg-Wet	27	0	0						50 U	350 U	39.7	25 U	75 UJ
trans-Chlordane	ug/kg-Wet	27	5	18.5	1 N	2.7 NJ	1.6	1.3 NJ	1.9 NJ	1 U	2.7 NJ	0.722	0.5 U	1.3 NJ
trans-Nonachlor	ug/kg-Wet	27	0	0						1 UJ	2 UJ	0.519	0.5 UJ	0.5 U
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	27	0	0						1600 U	1900 U	848	850 U	850 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	27	0	0						1600 U	1900 U	848	850 U	850 U
2,4,5-Trichlorophenol	ug/kg-Wet	27	0	0						820 U	930 U	416	415 U	415 U
2,4,6-Trichlorophenol	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
2,4-Dichlorophenol	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
2,4-Dimethylphenol	ug/kg-Wet	27	0	0						490 U	560 U	251	250 U	250 U
2,4-Dinitrophenol	ug/kg-Wet	5	0	0						3300 U	3300 U	1650	1650 U	1650 U
2-Chlorophenol	ug/kg-Wet	27	0	0						33 UT	67 UT	24.1	28 UT	31.5 UT
2-Methylphenol	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
2-Nitrophenol	ug/kg-Wet	27	0	0						1500 U	1900 U	811	800 U	850 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	27	0	0						3300 U	3700 U	1660	1650 U	1650 U
4-Chloro-3-methylphenol	ug/kg-Wet	27	0	0						330 U	370 U	166	165 U	165 U
4-Methylphenol	ug/kg-Wet	27	2	7.41	33 T	190 T	112	33 T	33 T	17 UT	190 T	38.3	16.5 UT	60 UT
4-Nitrophenol	ug/kg-Wet	27	0	0						1600 U	1900 U	848	850 U	850 U
Pentachlorophenol	ug/kg-Wet	27	1	3.7	130 T	130 T	130	130 T	130 T	130 T	190 UT	86.5	85 UT	85 UT
Phenol	ug/kg-Wet	27	1	3.7	520	520	520	520	520	330 U	520	179	165 U	165 U

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Table C1-27. Summary Statistics - Crayfish.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	27	0	0						99 UJT	270 UJT	63.8	50 UJT	100 UT
Butylbenzyl phthalate	ug/kg-Wet	27	0	0						330 U	370 U	166	165 U	165 U
Dibutyl phthalate	ug/kg-Wet	27	0	0						330 U	650 U	181	165 U	250 U
Diethyl phthalate	ug/kg-Wet	27	0	0						170 U	950 U	106	85 U	135 U
Dimethyl phthalate	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
Di-n-octyl phthalate	ug/kg-Wet	27	0	0						330 U	1300 U	200	165 U	280 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
1,2-Dichlorobenzene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
1,2-Diphenylhydrazine	ug/kg-Wet	27	0	0						17 U	37 U	16.3	16.5 U	16.5 U
1,3-Dichlorobenzene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
1,4-Dichlorobenzene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
2,4-Dinitrotoluene	ug/kg-Wet	27	0	0						33 UT	73 UT	18.5	16.5 UT	33 UT
2,6-Dinitrotoluene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
2-Chloronaphthalene	ug/kg-Wet	27	0	0						17 UT	66 UT	16.9	16.5 UT	16.5 UT
2-Nitroaniline	ug/kg-Wet	27	0	0						820 U	930 U	416	415 U	415 U
3,3'-Dichlorobenzidine	ug/kg-Wet	27	0	0						1600 U	1900 U	848	850 U	850 U
3-Nitroaniline	ug/kg-Wet	27	0	0						820 U	930 U	416	415 U	415 U
4-Bromophenyl phenyl ether	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
4-Chloroaniline	ug/kg-Wet	27	0	0						83 UT	190 UJT	83.2	85 UT	85 UT
4-Chlorophenyl phenyl ether	ug/kg-Wet	27	0	0						42 UT	93 UT	40.9	41.5 UT	41.5 UT
4-Nitroaniline	ug/kg-Wet	27	0	0						820 U	930 U	416	415 U	415 U
Aniline	ug/kg-Wet	27	0	0						1500 U	1900 U	811	800 U	850 U
Azobenzene	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
Benzoic acid	ug/kg-Wet	27	0	0						7600 U	9400 UJ	4060	4100 U	4150 U
Benzyl alcohol	ug/kg-Wet	27	0	0						330 U	370 U	166	165 U	165 U
Bis(2-chloro-1-methylethyl) ether	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
Bis(2-chloroethoxy) methane	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
Bis(2-chloroethyl) ether	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Carbazole	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT
Dibenzofuran	ug/kg-Wet	27	0	0						17 UT	66 UT	16.9	16.5 UT	16.5 UT
Hexachlorobenzene	ug/kg-Wet	27	0	0						1 UT	2 UT	0.519	0.5 UT	0.5 UT
Hexachlorobutadiene	ug/kg-Wet	27	0	0						1 UJT	2 UJT	0.522	0.5 UJT	0.5 UJT
Hexachlorocyclopentadiene	ug/kg-Wet	27	0	0						820 U	930 U	416	415 UJ	415 U
Hexachloroethane	ug/kg-Wet	27	0	0						1 UJT	37 UT	8.6	8.5 UT	16.5 UT
Isophorone	ug/kg-Wet	27	0	0						1500 U	1900 U	811	800 U	850 U
Nitrobenzene	ug/kg-Wet	27	0	0						17 UT	37 UT	16.4	16.5 UT	16.5 UT
N-Nitrosodimethylamine	ug/kg-Wet	27	0	0						160 UJT	190 UT	84.8	85 UJT	85 UJT
N-Nitrosodiphenylamine	ug/kg-Wet	27	0	0						160 U	190 U	84.8	85 U	85 U
N-Nitrosodipropylamine	ug/kg-Wet	27	0	0						17 UT	37 UT	16.3	16.5 UT	16.5 UT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compo

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-28. Summary Statistics - Epibenthic communities from multiplate samplers.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Aroclors														
Aroclor 1016	ug/kg-Wet	7	0	0						0.000532 U	0.00247 U	0.000543	0.0003625 U	0.00073 U
Aroclor 1221	ug/kg-Wet	7	0	0						0.000168 U	0.00128 U	0.000239	0.000155 U	0.000359 U
Aroclor 1232	ug/kg-Wet	7	0	0						0.000214 U	0.00188 U	0.000288	0.000156 U	0.00038 U
Aroclor 1242	ug/kg-Wet	7	3	42.9	1.95 NJ	7.45 NJ	4.34	3.63 NJ	3.63 NJ	0.000591 U	7.45 NJ	1.86	0.000595 U	3.63 NJ
Aroclor 1248	ug/kg-Wet	7	4	57.1	14.4 NJ	25.7 NJ	19	16.1 NJ	19.9 NJ	0.00381 U	25.7 NJ	10.9	14.4 NJ	19.9 NJ
Aroclor 1254	ug/kg-Wet	7	3	42.9	13.5 NJ	110 NJ	48.2	21 NJ	21 NJ	0.00267 U	110 NJ	20.6	0.003645 U	21 NJ
Aroclor 1260	ug/kg-Wet	7	7	100	10.8 NJ	376 NJ	69.2	13.9 NJ	45.3 NJ	10.8 NJ	376 NJ	69.2	13.9 NJ	45.3 NJ
Total PCB Aroclors	ug/kg-Wet	7	7	100	25.2 JT	490 JT	103	34.8 JT	73.8 JT	25.2 JT	490 JT	103	34.8 JT	73.8 JT
Conventionals														
Total solids	percent-Wet	2	2	100	12.9	13.3 T	13.1	12.9	12.9	12.9	13.3 T	13.1	12.9	12.9
Dioxin_Furan Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	7	7	100	1.86	8.51	4.2	4	4.45	1.86	8.51	4.2	4	4.45
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	7	100	6.34	44.4	19.6	13.9	35.8	6.34	44.4	19.6	13.9	35.8
Hexachlorodibenzofuran homologs	pg/g-Wet	7	7	100	2.02	11.9	4.69	3.22	6.38	2.02	11.9	4.69	3.22	6.38
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	7	100	1.99	7.56	3.95	3.16	5.78	1.99	7.56	3.95	3.16	5.78
Octachlorodibenzofuran	pg/g-Wet	7	7	100	1.75	8.66	3.74	3.29 J	3.95	1.75	8.66	3.74	3.29 J	3.95
Octachlorodibenzo-p-dioxin	pg/g-Wet	7	7	100	18.9	130	63.8	53.2	122	18.9	130	63.8	53.2	122
Pentachlorodibenzofuran homologs	pg/g-Wet	7	7	100	0.446	21.2	5.9	3.95	4.96	0.446	21.2	5.9	3.95	4.96
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	5	71.4	0.238	1.4	1.01	1.11	1.39	0.175 U	1.4	0.782	0.91	1.39
Tetrachlorodibenzofuran homologs	pg/g-Wet	7	7	100	1.18	31.7	8.6	5.15	7.32	1.18	31.7	8.6	5.15	7.32
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	7	7	100	0.974	6.8	3.66	4.03	5.72	0.974	6.8	3.66	4.03	5.72
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	7	7	100	0.545 J	2.75	1.45	1.36	1.72	0.545 J	2.75	1.45	1.36	1.72
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	7	7	100	2.92	23.1	9.38	6.59	16.2	2.92	23.1	9.38	6.59	16.2
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	7	4	57.1	0.078 J	0.535 J	0.219	0.122 J	0.142 J	0.072 U	0.757 U	0.201	0.122 J	0.3785 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	5	71.4	0.192 J	5.2	1.27	0.282 J	0.429 J	0.192 J	5.2	0.974	0.282 J	0.429 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	5	71.4	0.09 J	0.346 J	0.177	0.167 J	0.182 J	0.09 J	0.95 U	0.203	0.167 J	0.346 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	5	71.4	0.092 J	1.24	0.345	0.11 J	0.189 J	0.092 J	1.24	0.293	0.11 J	0.2685 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	7	100	0.372 J	1.63 J	0.757	0.586 J	1.07 J	0.372 J	1.63 J	0.757	0.586 J	1.07 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	7	0	0						0.0489 U	0.761 U	0.101	0.054 U	0.099 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	7	4	57.1	0.153 J	0.235 J	0.193	0.188 J	0.197 J	0.153 J	0.555 U	0.199	0.197 J	0.235 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	7	5	71.4	0.11 J	6.71	1.48	0.182 J	0.286 J	0.11 J	6.71	1.13	0.182 J	0.3895 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	7	4	57.1	0.079 J	0.218 J	0.158	0.15 J	0.184 J	0.079 J	0.672 U	0.171	0.15 J	0.218 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	7	0	0						0.063 U	0.331 U	0.0791	0.063 U	0.1085 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	7	4	57.1	0.177 J	2.69	0.891	0.25 J	0.446 J	0.177 J	2.69	0.557	0.177 J	0.446 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	7	4	57.1	0.296	11	3.08	0.397	0.629	0.263 U	11	1.83	0.296	0.629
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	7	3	42.9	0.112 J	0.29	0.197	0.189	0.189	0.061 U	0.329 U	0.135	0.112 J	0.189
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	7	7	100	0.307 JT	4 JT	0.989	0.448 JT	0.777 JT	0.307 JT	4 JT	0.989	0.448 JT	0.777 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	7	7	100	0.296 JT	1.48 JT	0.715	0.705 JT	0.796 JT	0.296 JT	1.48 JT	0.715	0.705 JT	0.796 JT
Total PCDD/F	pg/g-Wet	7	7	100	49.1 T	213 T	119	108 T	186 JT	49.1 T	213 T	119	108 T	186 JT
Total TCDD toxicity equivalent	pg/g-Wet	7	7	100	1.01 JT	4.3 JT	1.7	1.24 JT	1.8 JT	1.01 JT	4.3 JT	1.7	1.24 JT	1.8 JT
Metals														
Aluminum	mg/kg-Wet	2	2	100	446	1420	933	446	446	446	1420	933	446	446
Antimony	mg/kg-Wet	2	1	50	0.0022 J	0.0022 J	0.0022	0.0022 J	0.0022 J	0.0011 U	0.0022 J	0.00138	0.00055 U	0.00055 U
Arsenic	mg/kg-Wet	2	2	100	0.349	0.45	0.4	0.349	0.349	0.349	0.45	0.4	0.349	0.349
Cadmium	mg/kg-Wet	2	2	100	0.0321	0.0366	0.0344	0.0321	0.0321	0.0321	0.0366	0.0344	0.0321	0.0321
Chromium	mg/kg-Wet	2	2	100	0.64	1.73	1.19	0.64	0.64	0.64	1.73	1.19	0.64	0.64
Copper	mg/kg-Wet	2	2	100	3.01 J	6 J	4.51	3.01 J	3.01 J	3.01 J	6 J	4.51	3.01 J	3.01 J
Lead	mg/kg-Wet	2	2	100	0.245 J	1.06 J	0.653	0.245 J	0.245 J	0.245 J	1.06 J	0.653	0.245 J	0.245 J
Nickel	mg/kg-Wet	2	2	100	0.401	1.12	0.761	0.401	0.401	0.401	1.12	0.761	0.401	0.401
Selenium	mg/kg-Wet	2	2	100	0.04 J	0.06	0.05	0.04 J	0.04 J	0.04 J	0.06	0.05	0.04 J	0.04 J
Silver	mg/kg-Wet	2	2	100	0.0235 J	0.0287 J	0.0261	0.0235 J	0.0235 J	0.0235 J	0.0287 J	0.0261	0.0235 J	0.0235 J
Zinc	mg/kg-Wet	2	2	100	12.6 J	24.8 J	18.7	12.6 J	12.6 J	12.6 J	24.8 J	18.7	12.6 J	12.6 J
PCB_Congeners														
PCB001	ug/kg-Wet	7	7	100	0.00894	0.0343	0.0251	0.0269	0.0334	0.00894	0.0343	0.0251	0.0269	0.0334
PCB002	ug/kg-Wet	7	7	100	0.000872	0.0033 J	0.00234	0.00255	0.00302	0.000872	0.0033 J	0.00234	0.00255	0.00302
PCB003	ug/kg-Wet	7	7	100	0.00359	0.0146	0.0104	0.0107	0.0137	0.00359	0.0146	0.0104	0.0107	0.0137
PCB004	ug/kg-Wet	7	7	100	0.0834	1.29	0.304	0.148	0.207	0.0834	1.29	0.304	0.148	0.207
PCB005	ug/kg-Wet	7	7	100	0.000988	0.00479	0.00337	0.00332	0.00463	0.000988	0.00479	0.00337	0.00332	0.00463
PCB006	ug/kg-Wet	7	7	100	0.0147	0.0796	0.04	0.0403	0.0467	0.0147	0.0796	0.04	0.0403	0.0467
PCB007	ug/kg-Wet	7	7	100	0.00346	0.0128	0.00853	0.00948	0.0107	0.00346	0.0128	0.00853	0.00948	0.0107
PCB008	ug/kg-Wet	7	7	100	0.0701	0.259	0.171	0.17	0.225	0.0701	0.259	0.171	0.17	0.225
PCB009	ug/kg-Wet	7	7	100	0.00497	0.0157	0.0121	0.0137	0.0156	0.00497	0.0157	0.0121	0.0137	0.0156
PCB010	ug/kg-Wet	7	7	100	0.00311	0.0712	0.0148	0.00599	0.00682	0.00311	0.0712	0.0148	0.00599	0.00682
PCB011	ug/kg-Wet	7	7	100	0.0404	0.223	0.148	0.139	0.221	0.0404	0.223	0.148	0.139	0.221
PCB012 & 013	ug/kg-Wet	7	7	100	0.00841	0.0279	0.0154	0.0123	0.0245	0.00841	0.0279	0.0154	0.0123	0.0245
PCB014	ug/kg-Wet	7	0	0						0.000382 U	0.0034 U	0.000473	0.000253 U	0.0004435 U
PCB015	ug/kg-Wet	7	7	100	0.0521	0.156	0.0852	0.0753	0.112	0.0521	0.156	0.0852	0.0753	0.112
PCB016	ug/kg-Wet	7	7	100	0.0335	0.115	0.071	0.0687	0.0974	0.0335	0.115	0.071	0.0687	0.0974
PCB017	ug/kg-Wet	7	7	100	0.0745	1.44	0.361	0.179	0.346	0.0745	1.44	0.361	0.179	0.346
PCB018 & 030	ug/kg-Wet	7	7	100	0.0906	0.396	0.241	0.236	0.306	0.0906	0.396	0.241	0.236	0.306
PCB019	ug/kg-Wet	7	7	100	0.0842	5.15	0.849	0.167	0.179	0.0842	5.15	0.849	0.167	0.179
PCB020 & 028	ug/kg-Wet	7	7	100	0.225	0.948	0.605	0.538	0.755	0.225	0.948	0.605	0.538	0.755
PCB021 & 033	ug/kg-Wet	7	7	100	0.0621	0.352	0.183	0.154	0.256	0.0621	0.352	0.183	0.154	0.256
PCB022	ug/kg-Wet	7	7	100	0.0427	0.281	0.131	0.124	0.201	0.0427	0.281	0.131	0.124	0.201

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Table C1-28. Summary Statistics - Epibenthic communities from multiplate samplers.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB023	ug/kg-Wet	7	4	57.1	0.000233 J	0.00184	0.000835	0.000592	0.000675	0.000233 J	0.00357 U	0.000791	0.000592	0.001785 U
PCB024	ug/kg-Wet	7	6	85.7	0.00183 J	0.00611	0.00354	0.00326	0.0038	0.000847 U	0.00611	0.00309	0.00326	0.0038
PCB025	ug/kg-Wet	7	7	100	0.02	0.243	0.0783	0.0483	0.104	0.02	0.243	0.0783	0.0483	0.104
PCB026 & 029	ug/kg-Wet	7	7	100	0.0311	0.214	0.115	0.0922	0.187	0.0311	0.214	0.115	0.0922	0.187
PCB027	ug/kg-Wet	7	7	100	0.0169	0.731	0.132	0.0352	0.044	0.0169	0.731	0.132	0.0352	0.044
PCB031	ug/kg-Wet	7	7	100	0.165	0.881	0.448	0.388	0.587	0.165	0.881	0.448	0.388	0.587
PCB032	ug/kg-Wet	7	7	100	0.0507	0.498	0.173	0.111	0.225	0.0507	0.498	0.173	0.111	0.225
PCB034	ug/kg-Wet	7	7	100	0.00114 J	0.00599	0.0033	0.00339	0.0039	0.00114 J	0.00599	0.0033	0.00339	0.0039
PCB035	ug/kg-Wet	7	6	85.7	0.00435	0.0112	0.00716	0.00644	0.00863	0.004 U	0.0112	0.00643	0.00644	0.00863
PCB036	ug/kg-Wet	7	3	42.9	0.00161	0.00252	0.0021	0.00217	0.00217	0.000528 U	0.00252	0.00115	0.00056 U	0.00217
PCB037	ug/kg-Wet	7	7	100	0.0309	0.176	0.0982	0.0866	0.164	0.0309	0.176	0.0982	0.0866	0.164
PCB038	ug/kg-Wet	7	0	0						0.000306 U	0.00265 U	0.000398	0.000222 U	0.000345 U
PCB039	ug/kg-Wet	7	4	57.1	0.00343	0.00471	0.00417	0.0042	0.00434	0.000292 U	0.00471	0.00254	0.00343	0.00434
PCB040 & 041 & 071	ug/kg-Wet	7	7	100	0.15	1.39	0.515	0.384	0.509	0.15	1.39	0.515	0.384	0.509
PCB042	ug/kg-Wet	7	7	100	0.0621	0.296	0.206	0.212	0.257	0.0621	0.296	0.206	0.212	0.257
PCB043	ug/kg-Wet	7	6	85.7	0.0261	0.241	0.0721	0.0381	0.051	0.00774 U	0.241	0.0624	0.0381	0.051
PCB044 & 047 & 065	ug/kg-Wet	7	7	100	0.905	26.1	4.97	1.44	2.33	0.905	26.1	4.97	1.44	2.33
PCB045 & 051	ug/kg-Wet	7	7	100	0.134	5.38	0.972	0.243	0.439	0.134	5.38	0.972	0.243	0.439
PCB046	ug/kg-Wet	7	7	100	0.0111	0.163	0.0437	0.0281	0.033	0.0111	0.163	0.0437	0.0281	0.033
PCB048	ug/kg-Wet	7	7	100	0.0388	0.199	0.147	0.156	0.176	0.0388	0.199	0.147	0.156	0.176
PCB049 & 069	ug/kg-Wet	7	7	100	0.583	5.83	1.55	0.808	1.4	0.583	5.83	1.55	0.808	1.4
PCB050 & 053	ug/kg-Wet	7	7	100	0.123	4.08	0.76	0.243	0.279	0.123	4.08	0.76	0.243	0.279
PCB052	ug/kg-Wet	7	7	100	0.608	3.85	1.55	1.31	1.55	0.608	3.85	1.55	1.31	1.55
PCB054	ug/kg-Wet	7	7	100	0.0149	1.9	0.301	0.035	0.0563	0.0149	1.9	0.301	0.035	0.0563
PCB055	ug/kg-Wet	7	0	0						0.000985 U	0.00878 U	0.00122	0.000655 U	0.001145 U
PCB056	ug/kg-Wet	7	7	100	0.0648	0.589	0.297	0.339	0.383	0.0648	0.589	0.297	0.339	0.383
PCB057	ug/kg-Wet	7	5	71.4	0.00377	0.0993	0.0241	0.00552	0.0071	0.00174 U	0.0993	0.0176	0.00472	0.0071
PCB058	ug/kg-Wet	7	5	71.4	0.00287	0.00465	0.00363	0.00367	0.0038	0.00195 U	0.00465	0.00295	0.00316	0.0038
PCB059 & 062 & 075	ug/kg-Wet	7	7	100	0.0441	0.863	0.197	0.0936	0.124	0.0441	0.863	0.197	0.0936	0.124
PCB060	ug/kg-Wet	7	7	100	0.0338	0.327	0.159	0.157	0.198	0.0338	0.327	0.159	0.157	0.198
PCB061 & 070 & 074 & 076	ug/kg-Wet	7	7	100	0.461	2.06	1.31	1.49	1.56	0.461	2.06	1.31	1.49	1.56
PCB063	ug/kg-Wet	7	7	100	0.0161	0.0727	0.0447	0.0393	0.0629	0.0161	0.0727	0.0447	0.0393	0.0629
PCB064	ug/kg-Wet	7	7	100	0.126	0.614	0.372	0.411	0.446	0.126	0.614	0.372	0.411	0.446
PCB066	ug/kg-Wet	7	7	100	0.293	1.59	0.886	0.837	1.01	0.293	1.59	0.886	0.837	1.01
PCB067	ug/kg-Wet	7	7	100	0.0096	0.114	0.0384	0.0307	0.0318	0.0096	0.114	0.0384	0.0307	0.0318
PCB068	ug/kg-Wet	7	7	100	0.00862	0.268	0.0521	0.019	0.0212	0.00862	0.268	0.0521	0.019	0.0212
PCB072	ug/kg-Wet	7	7	100	0.0129	0.0836	0.0265	0.019	0.02	0.0129	0.0836	0.0265	0.019	0.02
PCB073	ug/kg-Wet	7	6	85.7	0.0141	0.644	0.127	0.0245	0.0269	0.000869 U	0.644	0.109	0.0245	0.0269
PCB077	ug/kg-Wet	7	7	100	0.02	0.0839	0.0494	0.0543	0.0575	0.02	0.0839	0.0494	0.0543	0.0575
PCB078	ug/kg-Wet	7	0	0						0.000786 U	0.00553 U	0.00083	0.0004615 U	0.00085 U
PCB079	ug/kg-Wet	7	7	100	0.00849	0.0317	0.0174	0.0153	0.021	0.00849	0.0317	0.0174	0.0153	0.021
PCB080	ug/kg-Wet	7	0	0						0.00108 U	0.00959 U	0.00133	0.000715 U	0.00125 U
PCB081	ug/kg-Wet	7	0	0						0.00166 U	0.00514 U	0.00134	0.00117 U	0.00144 U
PCB082	ug/kg-Wet	7	6	85.7	0.0415	0.163	0.103	0.0877	0.129	0.0415	0.163	0.0942	0.0877	0.129
PCB083 & 099	ug/kg-Wet	7	7	100	1.06	10.1	2.64	1.48	1.67	1.06	10.1	2.64	1.48	1.67
PCB084	ug/kg-Wet	7	7	100	0.0985	0.801	0.328	0.286	0.353	0.0985	0.801	0.328	0.286	0.353
PCB085 & 116 & 117	ug/kg-Wet	7	7	100	0.165	0.702	0.384	0.356	0.53	0.165	0.702	0.384	0.356	0.53
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	7	7	100	0.557	3.66	1.36	1.02	1.27	0.557	3.66	1.36	1.02	1.27
PCB088 & 091	ug/kg-Wet	7	7	100	0.299	2.99	0.774	0.397	0.671	0.299	2.99	0.774	0.397	0.671
PCB089	ug/kg-Wet	7	6	85.7	0.0075	0.0123	0.01	0.00853	0.0122	0.00191 U	0.0123	0.00871	0.00853	0.0122
PCB090 & 101 & 113	ug/kg-Wet	7	7	100	1.63	14.2	3.95	2.29	2.88	1.63	14.2	3.95	2.29	2.88
PCB092	ug/kg-Wet	7	7	100	0.361	4.81	1.1	0.53	0.612	0.361	4.81	1.1	0.53	0.612
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	7	7	100	1.08	15.4	3.5	1.74	1.81	1.08	15.4	3.5	1.74	1.81
PCB094	ug/kg-Wet	7	7	100	0.0174	1.37	0.223	0.0356	0.0459	0.0174	1.37	0.223	0.0356	0.0459
PCB096	ug/kg-Wet	7	7	100	0.0107	0.329	0.0633	0.024	0.0258	0.0107	0.329	0.0633	0.024	0.0258
PCB103	ug/kg-Wet	7	7	100	0.0239	1.09	0.208	0.0669	0.125	0.0239	1.09	0.208	0.0669	0.125
PCB104	ug/kg-Wet	7	7	100	0.00268	0.498	0.0777	0.00899	0.012	0.00268	0.498	0.0777	0.00899	0.012
PCB105	ug/kg-Wet	7	7	100	0.207	0.662	0.415	0.359	0.603	0.207	0.662	0.415	0.359	0.603
PCB106	ug/kg-Wet	7	1	14.3	0.0221	0.0221	0.0221	0.0221	0.0221	0.000382 U	0.0221	0.00356	0.0002455 U	0.00165 U
PCB107 & 124	ug/kg-Wet	7	7	100	0.0288	0.0843	0.0579	0.0554	0.0769	0.0288	0.0843	0.0579	0.0554	0.0769
PCB109	ug/kg-Wet	7	7	100	0.0958	0.278	0.15	0.134	0.174	0.0958	0.278	0.15	0.134	0.174
PCB110 & 115	ug/kg-Wet	7	7	100	1.2	3.74	2.15	2.1	2.55	1.2	3.74	2.15	2.1	2.55
PCB111	ug/kg-Wet	7	4	57.1	0.00276	0.056	0.0175	0.00304	0.00821	0.00142 U	0.056	0.0108	0.00276	0.00821
PCB112	ug/kg-Wet	7	1	14.3	0.725	0.725	0.725	0.725	0.725	0.000339 U	0.725	0.104	0.0002475 U	0.001445 U
PCB114	ug/kg-Wet	7	7	100	0.0105	0.0439	0.0252	0.0217	0.0326	0.0105	0.0439	0.0252	0.0217	0.0326
PCB118	ug/kg-Wet	7	7	100	0.8	2.49	1.41	1.16	1.79	0.8	2.49	1.41	1.16	1.79
PCB120	ug/kg-Wet	7	7	100	0.00682	0.111	0.0293	0.0169	0.0291	0.00682	0.111	0.0293	0.0169	0.0291
PCB121	ug/kg-Wet	7	6	85.7	0.0048	0.168	0.0337	0.00568	0.0109	0.00146 U	0.168	0.029	0.00568	0.0109
PCB122	ug/kg-Wet	7	5	71.4	0.0167	0.0328	0.0222	0.0206	0.0243	0.00103 U	0.0328	0.0167	0.0167	0.0243
PCB123	ug/kg-Wet	7	6	85.7	0.0154	0.0411	0.0265	0.0245	0.0322	0.0117 U	0.0411	0.0236	0.0245	0.0322
PCB126	ug/kg-Wet	7	5	71.4	0.00228 J	0.00454	0.00339	0.00308	0.0042	0.00228 J	0.00655 U	0.00317	0.00308	0.0042
PCB127	ug/kg-Wet	7	1	14.3	0.0124	0.0124	0.0124	0.0124	0.0124	0.000463 U	0.0124	0.00227	0.0003065 U	0.00206 U
PCB128 & 166	ug/kg-Wet	7	7	100	0.235	1.61	0.499	0.307	0.426	0.235	1.61	0.499	0.307	0.426
PCB129 & 138 & 160 & 163	ug/kg-Wet	7	7	100	2.4	42.8	9.15	3.16	6.3	2.4	42.8	9.15	3.16	6.3
PCB130	ug/kg-Wet	7	7	100	0.122	1.2	0.317	0.164	0.264	0.122	1.2	0.317	0.164	0.264
PCB131	ug/kg-Wet	7	7	100	0.00583	0.0793	0.0223	0.00984	0.0231	0.00583	0.0793	0.0223	0.00984	0.0231
PCB132	ug/kg-Wet	7	7	100	0.495	6.22	1.53	0.702	1.37	0.495	6.22	1.53	0.702	1.37

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Table C1-28. Summary Statistics - Epibenthic communities from multiplate samplers.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB133	ug/kg-Wet	7	7	100	0.0465	1.1	0.229	0.0799	0.146	0.0465	1.1	0.229	0.0799	0.146
PCB134 & 143	ug/kg-Wet	7	7	100	0.0736	1.62	0.336	0.125	0.193	0.0736	1.62	0.336	0.125	0.193
PCB135 & 151 & 154	ug/kg-Wet	7	6	85.7	0.872	20	4.45	1.08	2.55	0.00323 U	20	3.82	1.08	2.55
PCB136	ug/kg-Wet	7	7	100	0.182	3.36	0.719	0.296	0.395	0.182	3.36	0.719	0.296	0.395
PCB137	ug/kg-Wet	7	7	100	0.0533	0.446	0.137	0.0799	0.138	0.0533	0.446	0.137	0.0799	0.138
PCB139 & 140	ug/kg-Wet	7	7	100	0.0382	0.279	0.0827	0.0502	0.0732	0.0382	0.279	0.0827	0.0502	0.0732
PCB141	ug/kg-Wet	7	7	100	0.436	9.97	1.97	0.501	1.28	0.436	9.97	1.97	0.501	1.28
PCB142	ug/kg-Wet	7	0	0						0.000403 U	0.00302 U	0.000605	0.00032 U	0.001355 U
PCB144	ug/kg-Wet	7	7	100	0.0855	1.57	0.332	0.107	0.238	0.0855	1.57	0.332	0.107	0.238
PCB145	ug/kg-Wet	7	2	28.6	0.000853	0.00867	0.00476	0.000853	0.000853	0.000502 U	0.00867	0.00167	0.00052 U	0.000853
PCB146	ug/kg-Wet	7	7	100	0.435	7.31	1.66	0.655	1.54	0.435	7.31	1.66	0.655	1.54
PCB147 & 149	ug/kg-Wet	7	7	100	1.9	34.6	7.27	2.23	5.2	1.9	34.6	7.27	2.23	5.2
PCB148	ug/kg-Wet	7	7	100	0.00596	0.331	0.065	0.0194	0.0431	0.00596	0.331	0.065	0.0194	0.0431
PCB150	ug/kg-Wet	7	7	100	0.00432	0.183	0.0396	0.014	0.0328	0.00432	0.183	0.0396	0.014	0.0328
PCB152	ug/kg-Wet	7	7	100	0.00329	0.268	0.0448	0.00884	0.0105	0.00329	0.268	0.0448	0.00884	0.0105
PCB153 & 168	ug/kg-Wet	7	7	100	2.34	49.6	10.2	2.99	7.33	2.34	49.6	10.2	2.99	7.33
PCB155	ug/kg-Wet	7	5	71.4	0.0021	0.109	0.0243	0.00347	0.00361	0.000649 U	0.109	0.0175	0.00311	0.00361
PCB156 & 157	ug/kg-Wet	7	7	100	0.171	2.25	0.517	0.238	0.299	0.171	2.25	0.517	0.238	0.299
PCB158	ug/kg-Wet	7	7	100	0.196	2.81	0.639	0.263	0.461	0.196	2.81	0.639	0.263	0.461
PCB159	ug/kg-Wet	7	7	100	0.0157	0.555	0.104	0.0213	0.0664	0.0157	0.555	0.104	0.0213	0.0664
PCB161	ug/kg-Wet	7	0	0						0.000404 U	0.00306 U	0.000539	0.000237 U	0.001105 U
PCB162	ug/kg-Wet	7	4	57.1	0.00527	0.0469	0.0168	0.00726	0.00775	0.00475 U	0.0469	0.0109	0.00527	0.00775
PCB164	ug/kg-Wet	7	7	100	0.155	2.57	0.552	0.19	0.396	0.155	2.57	0.552	0.19	0.396
PCB165	ug/kg-Wet	7	7	100	0.00155	0.106	0.0193	0.00435	0.00916	0.00155	0.106	0.0193	0.00435	0.00916
PCB167	ug/kg-Wet	7	7	100	0.0705	1.05	0.234	0.0947	0.145	0.0705	1.05	0.234	0.0947	0.145
PCB169	ug/kg-Wet	7	0	0						0.000678 U	0.0159 U	0.00198	0.001065 U	0.001975 U
PCB170	ug/kg-Wet	7	7	100	0.476	17.1	3.14	0.665	2.03	0.476	17.1	3.14	0.665	2.03
PCB171 & 173	ug/kg-Wet	7	7	100	0.152	4.71	0.892	0.186	0.608	0.152	4.71	0.892	0.186	0.608
PCB172	ug/kg-Wet	7	7	100	0.0884	2.67	0.498	0.105	0.321	0.0884	2.67	0.498	0.105	0.321
PCB174	ug/kg-Wet	7	7	100	0.42	16.3	2.98	0.551	1.85	0.42	16.3	2.98	0.551	1.85
PCB175	ug/kg-Wet	7	7	100	0.0237	0.7	0.131	0.0266	0.0784	0.0237	0.7	0.131	0.0266	0.0784
PCB176	ug/kg-Wet	7	7	100	0.0426	1.74	0.323	0.0787	0.172	0.0426	1.74	0.323	0.0787	0.172
PCB177	ug/kg-Wet	7	7	100	0.313	10.5	1.99	0.425	1.37	0.313	10.5	1.99	0.425	1.37
PCB178	ug/kg-Wet	7	7	100	0.129	4.16	0.788	0.176	0.477	0.129	4.16	0.788	0.176	0.477
PCB179	ug/kg-Wet	7	7	100	0.179	6.92	1.29	0.323	0.632	0.179	6.92	1.29	0.323	0.632
PCB180 & 193	ug/kg-Wet	7	7	100	1.25	43.2	7.96	1.63	5.37	1.25	43.2	7.96	1.63	5.37
PCB181	ug/kg-Wet	7	6	85.7	0.00425	0.0955	0.0241	0.00532	0.0257	0.00425	0.0955	0.021	0.00532	0.0257
PCB182	ug/kg-Wet	7	6	85.7	0.00597	0.0946	0.0234	0.00717	0.0176	0.00402 U	0.0946	0.0203	0.00717	0.0176
PCB183 & 185	ug/kg-Wet	7	7	100	0.431	14.8	2.72	0.496	1.67	0.431	14.8	2.72	0.496	1.67
PCB184	ug/kg-Wet	7	5	71.4	0.00045 J	0.00746	0.0024	0.00128	0.00184	0.00045 J	0.00746	0.00183	0.000987	0.00184
PCB186	ug/kg-Wet	7	1	14.3	0.000908	0.000908	0.000908	0.000908	0.000908	0.000328 U	0.00292 U	0.000506	0.0002435 U	0.000908
PCB187	ug/kg-Wet	7	7	100	0.809	26.5	4.98	1.03	3.19	0.809	26.5	4.98	1.03	3.19
PCB188	ug/kg-Wet	7	7	100	0.00149	0.068	0.0136	0.00363	0.00996	0.00149	0.068	0.0136	0.00363	0.00996
PCB189	ug/kg-Wet	7	6	85.7	0.0126	0.481	0.0993	0.0161	0.0533	0.0126	0.481	0.0864	0.0161	0.0533
PCB190	ug/kg-Wet	7	7	100	0.0916	3.87	0.714	0.132	0.492	0.0916	3.87	0.714	0.132	0.492
PCB191	ug/kg-Wet	7	7	100	0.0203	0.698	0.131	0.0265	0.091	0.0203	0.698	0.131	0.0265	0.091
PCB192	ug/kg-Wet	7	0	0						0.000763 U	0.00679 U	0.000944	0.000505 U	0.000885 U
PCB194	ug/kg-Wet	7	7	100	0.127	4.35	0.817	0.159	0.629	0.127	4.35	0.817	0.159	0.629
PCB195	ug/kg-Wet	7	7	100	0.0663	2.23	0.421	0.0816	0.315	0.0663	2.23	0.421	0.0816	0.315
PCB196	ug/kg-Wet	7	7	100	0.0915	3.02	0.556	0.105	0.347	0.0915	3.02	0.556	0.105	0.347
PCB197 & 200	ug/kg-Wet	7	7	100	0.0184	0.881	0.165	0.0362	0.0991	0.0184	0.881	0.165	0.0362	0.0991
PCB198 & 199	ug/kg-Wet	7	7	100	0.162	5.06	0.968	0.237	0.706	0.162	5.06	0.968	0.237	0.706
PCB201	ug/kg-Wet	7	7	100	0.0212	0.782	0.149	0.0353	0.0893	0.0212	0.782	0.149	0.0353	0.0893
PCB202	ug/kg-Wet	7	7	100	0.0384	1.06	0.214	0.0616	0.142	0.0384	1.06	0.214	0.0616	0.142
PCB203	ug/kg-Wet	7	7	100	0.123	3.83	0.733	0.162	0.534	0.123	3.83	0.733	0.162	0.534
PCB204	ug/kg-Wet	7	0	0						0.000108 U	0.00822 U	0.000885	0.000438 U	0.000705 U
PCB205	ug/kg-Wet	7	7	100	0.00641	0.235	0.0456	0.00864	0.0427	0.00641	0.235	0.0456	0.00864	0.0427
PCB206	ug/kg-Wet	7	7	100	0.0346	0.527	0.129	0.0595	0.116	0.0346	0.527	0.129	0.0595	0.116
PCB207	ug/kg-Wet	7	7	100	0.00465	0.1	0.0225	0.00975	0.0161	0.00465	0.1	0.0225	0.00975	0.0161
PCB208	ug/kg-Wet	7	7	100	0.00987	0.098	0.0311	0.023	0.026	0.00987	0.098	0.0311	0.023	0.026
PCB209	ug/kg-Wet	7	7	100	0.0112	0.0329	0.0194	0.0158	0.0297	0.0112	0.0329	0.0194	0.0158	0.0297
Total PCB Congeners	ug/kg-Wet	7	7	100	33.1	498	112	45.6	78.7	33.1	498	112	45.6	78.7
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.343	1.85	0.804	0.715	0.982	0.343	1.85	0.804	0.715	0.982
Heptachlorobiphenyl homologs	ug/kg-Wet	7	7	100	4.58	155	28.7	5.38	18.4	4.58	155	28.7	5.38	18.4
Hexachlorobiphenyl homologs	ug/kg-Wet	7	7	100	10.7	192	40.5	13.2	28.8	10.7	192	40.5	13.2	28.8
Monochlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.0134	0.0496	0.0379	0.0426	0.0479	0.0134	0.0496	0.0379	0.0426	0.0479
Nonachlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.0492	0.725	0.183	0.0954	0.158	0.0492	0.725	0.183	0.0954	0.158
Octachlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.678	21.4	4.06	0.873	2.9	0.678	21.4	4.06	0.873	2.9
Pentachlorobiphenyl homologs	ug/kg-Wet	7	7	100	8.21	64.1	19.2	13.2	13.8	8.21	64.1	19.2	13.2	13.8
Tetrachlorobiphenyl homologs	ug/kg-Wet	7	7	100	4.19	53.4	14.7	8.88	11.3	4.19	53.4	14.7	8.88	11.3
Trichlorobiphenyl homologs	ug/kg-Wet	7	7	100	0.935	9.71	3.5	2.5	4.26	0.935	9.71	3.5	2.5	4.26
Pesticides														
2,4'-DDD	ug/kg-Wet	7	7	100	0.136	14.1	2.45	0.393	1.47	0.136	14.1	2.45	0.393	1.47
2,4'-DDE	ug/kg-Wet	7	7	100	0.0382 J	1.28	0.258	0.0775	0.17	0.0382 J	1.28	0.258	0.0775	0.17
2,4'-DDT	ug/kg-Wet	7	5	71.4	0.0532	7.54	1.62	0.12 J	0.313	0.0172 U	7.54	1.16	0.0962	0.313
4,4'-DDD	ug/kg-Wet	7	7	100	0.646	30.3	5.44	0.841 J	3.08	0.646	30.3	5.44	0.841 J	3.08

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Table C1-28. Summary Statistics - Epibenthic communities from multiplate samplers.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
4,4'-DDE	ug/kg-Wet	7	7	100	1.21	29.4	7.19	3.13	6.42	1.21	29.4	7.19	3.13	6.42
4,4'-DDT	ug/kg-Wet	7	7	100	0.0502	12.2	1.9	0.192	0.463	0.0502	12.2	1.9	0.192	0.463
Aldrin	ug/kg-Wet	7	6	85.7	0.00926 J	0.0872	0.0464	0.025 J	0.0828	0.00926 J	0.0872	0.0407	0.025 J	0.0828
alpha-Endosulfan	ug/kg-Wet	7	5	71.4	0.045	0.097 J	0.0706	0.064	0.092 J	0.02 U	0.137 U	0.0616	0.064	0.092 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	7	4	57.1	0.00446 J	0.0195 J	0.0129	0.011 J	0.0167 J	0.00446 J	0.0195 J	0.0101	0.0089 U	0.0167 J
beta-Endosulfan	ug/kg-Wet	7	3	42.9	0.021	0.098 J	0.0553	0.047	0.047	0.021	0.156 U	0.0451	0.029 U	0.078 U
beta-Hexachlorocyclohexane	ug/kg-Wet	7	3	42.9	0.00457 J	0.00794 J	0.00598	0.00542 J	0.00542 J	0.00295 U	0.0268 U	0.00625	0.00542 J	0.00794 J
cis-Chlordane	ug/kg-Wet	7	7	100	0.0977	0.6	0.298	0.216	0.451	0.0977	0.6	0.298	0.216	0.451
cis-Nonachlor	ug/kg-Wet	7	7	100	0.0405 J	0.24	0.126	0.0954 J	0.181	0.0405 J	0.24	0.126	0.0954 J	0.181
delta-Hexachlorocyclohexane	ug/kg-Wet	7	0	0						0.00185 U	0.0174 U	0.00458	0.00585 U	0.0065 U
Dieldrin	ug/kg-Wet	7	7	100	0.098	0.396	0.238	0.228	0.362	0.098	0.396	0.238	0.228	0.362
Endosulfan sulfate	ug/kg-Wet	7	5	71.4	0.097	0.296	0.178	0.14	0.227	0.061 U	0.296	0.136	0.128	0.227
Endrin aldehyde	ug/kg-Wet	7	0	0						0.00551 U	0.109 U	0.014	0.00635 U	0.01425 U
Endrin ketone	ug/kg-Wet	7	0	0						0.00324 U	0.228 U	0.0274	0.01315 U	0.0297 U
Endrin	ug/kg-Wet	7	1	14.3	0.008 J	0.008 J	0.008	0.008 J	0.008 J	0.004 U	0.146 U	0.018	0.0084 U	0.019 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	7	4	57.1	0.0111 J	0.0214 J	0.0145	0.0124 J	0.0129 J	0.00458 U	0.0214 J	0.0111	0.0111 J	0.0129 J
Heptachlor epoxide	ug/kg-Wet	7	6	85.7	0.006	0.025 J	0.0177	0.017	0.024 J	0.006	0.025 J	0.0162	0.017	0.024 J
Heptachlor	ug/kg-Wet	7	3	42.9	0.00497 J	0.012 J	0.00784	0.00655 J	0.00655 J	0.00228 U	0.012 J	0.0047	0.00303 U	0.00655 J
Methoxychlor	ug/kg-Wet	7	0	0						0.00635 U	0.109 U	0.0138	0.0063 U	0.0142 U
Oxychlordane	ug/kg-Wet	7	4	57.1	0.0375 J	0.183	0.103	0.0614 J	0.132	0.0204 U	0.183	0.0696	0.0375 J	0.132
Total Chlordanes	ug/kg-Wet	7	7	100	0.313 JT	2.06 JT	1.1	0.852 JT	1.74 T	0.313 JT	2.06 JT	1.1	0.852 JT	1.74 T
Total Endosulfan	ug/kg-Wet	7	6	85.7	0.021 T	0.491 JT	0.235	0.183 T	0.319 JT	0.021 T	0.491 JT	0.212	0.183 T	0.319 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	7	7	100	2.67 T	94.8 T	18.4	4.73 JT	11.9 T	2.67 T	94.8 T	18.4	4.73 JT	11.9 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	7	7	100	0.782 T	44.4 T	7.88	1.22 T	4.55 T	0.782 T	44.4 T	7.88	1.22 T	4.55 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	7	7	100	1.28 T	30.7 T	7.45	3.21 T	6.59 T	1.28 T	30.7 T	7.45	3.21 T	6.59 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	7	7	100	0.0502 T	19.7 T	3.06	0.288 T	0.776 T	0.0502 T	19.7 T	3.06	0.288 T	0.776 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	7	7	100	2.15 T	71.9 T	14.5	4.21 JT	9.96 T	2.15 T	71.9 T	14.5	4.21 JT	9.96 T
trans-Chlordane	ug/kg-Wet	7	7	100	0.0686	0.466	0.231	0.139	0.389	0.0686	0.466	0.231	0.139	0.389
trans-Nonachlor	ug/kg-Wet	7	7	100	0.106	0.697	0.384	0.302	0.587	0.106	0.697	0.384	0.302	0.587
SVOCs														
Hexachlorobenzene	ug/kg-Wet	7	7	100	0.12	0.544	0.297	0.264	0.345	0.12	0.544	0.297	0.264	0.345
Hexachlorobutadiene	ug/kg-Wet	7	0	0						0.006 UJ	0.063 UJ	0.00899	0.0059 UJ	0.0075 UJ

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compou

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
DOWNSTREAM														
Lab-exposed worms/Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.00781 U	0.00781 U	0.00391	0.003905 U	0.003905 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000271 U	0.000271 U	0.000136	0.0001355 U	0.0001355 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000554 U	0.000554 U	0.000277	0.000277 U	0.000277 U
Aroclor 1242	ug/kg-Wet	1	1	100	30.7 NJ	30.7 NJ	30.7	30.7 NJ	30.7 NJ	30.7 NJ	30.7 NJ	30.7	30.7 NJ	30.7 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.259 U	0.259 U	0.13	0.1295 U	0.1295 U
Aroclor 1254	ug/kg-Wet	1	1	100	246 NJ	246 NJ	246	246 NJ	246 NJ	246 NJ	246 NJ	246	246 NJ	246 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	19.6 NJ	19.6 NJ	19.6	19.6 NJ	19.6 NJ	19.6 NJ	19.6 NJ	19.6	19.6 NJ	19.6 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	296 JT	296 JT	296	296 JT	296 JT	296 JT	296 JT	296	296 JT	296 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	1	100	12	12	12	12	12	12	12	12	12	12
Dibutyltin ion	ug/kg-Wet	1	1	100	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Tetrabutyltin	ug/kg-Wet	1	0	0						0.34 U	0.34 U	0.17	0.17 U	0.17 U
Tributyltin ion	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Conventionals														
Lipids	percent-Wet	1	1	100	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
Total solids	percent-Wet	1	1	100	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	1	100	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.59
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79
Octachlorodibenzofuran	pg/g-Wet	1	1	100	1.64 J	1.64 J	1.64	1.64 J	1.64 J	1.64 J	1.64 J	1.64	1.64 J	1.64 J
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	15	15	15	15	15	15	15	15	15	15
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	10	10	10	10	10	10	10	10	10	10
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	8.67	8.67	8.67	8.67	8.67	8.67	8.67	8.67	8.67	8.67
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	1	100	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	0	0						0.089 U	0.089 U	0.0445	0.0445 U	0.0445 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.508 J	0.508 J	0.508	0.508 J	0.508 J	0.508 J	0.508 J	0.508	0.508 J	0.508 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.277 J	0.277 J	0.277	0.277 J	0.277 J	0.277 J	0.277 J	0.277	0.277 J	0.277 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.236 J	0.236 J	0.236	0.236 J	0.236 J	0.236 J	0.236 J	0.236	0.236 J	0.236 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.132 U	0.132 U	0.066	0.066 U	0.066 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.55 J	0.55 J	0.55	0.55 J	0.55 J	0.55 J	0.55 J	0.55	0.55 J	0.55 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	0.66 J	0.66 J	0.66	0.66 J	0.66 J	0.66 J	0.66 J	0.66	0.66 J	0.66 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.57 J	0.57 J	0.57	0.57 J	0.57 J	0.57 J	0.57 J	0.57	0.57 J	0.57 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.251 U	0.251 U	0.126	0.1255 U	0.1255 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	0.896 J	0.896 J	0.896	0.896 J	0.896 J	0.896 J	0.896 J	0.896	0.896 J	0.896 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	1	100	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364	0.364
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	2.01 JT	2.01 JT	2.01	2.01 JT	2.01 JT	2.01 JT	2.01 JT	2.01	2.01 JT	2.01 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	8.45 JT	8.45 JT	8.45	8.45 JT	8.45 JT	8.45 JT	8.45 JT	8.45	8.45 JT	8.45 JT
Total PCDD/F	pg/g-Wet	1	1	100	80.4 JT	80.4 JT	80.4	80.4 JT	80.4 JT	80.4 JT	80.4 JT	80.4	80.4 JT	80.4 JT
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	10.5 JT	10.5 JT	10.5	10.5 JT	10.5 JT	10.5 JT	10.5 JT	10.5	10.5 JT	10.5 JT
Metals														
Aluminum	mg/kg-Wet	1	1	100	465	465	465	465	465	465	465	465	465	465
Antimony	mg/kg-Wet	1	0	0						0.001 UJ	0.001 UJ	0.0005	0.0005 UJ	0.0005 UJ
Arsenic	mg/kg-Wet	1	1	100	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Cadmium	mg/kg-Wet	1	1	100	0.0628 J	0.0628 J	0.0628	0.0628 J	0.0628 J	0.0628 J	0.0628 J	0.0628	0.0628 J	0.0628 J
Chromium	mg/kg-Wet	1	1	100	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Copper	mg/kg-Wet	1	1	100	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27
Lead	mg/kg-Wet	1	1	100	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
Mercury	mg/kg-Wet	1	1	100	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Nickel	mg/kg-Wet	1	1	100	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
Selenium	mg/kg-Wet	1	1	100	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Silver	mg/kg-Wet	1	1	100	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
Zinc	mg/kg-Wet	1	1	100	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Acenaphthene	ug/kg-Wet	1	1	100	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Acenaphthylene	ug/kg-Wet	1	1	100	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Anthracene	ug/kg-Wet	1	1	100	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Benzo(a)anthracene	ug/kg-Wet	1	1	100	20	20	20	20	20	20	20	20	20	20
Benzo(a)pyrene	ug/kg-Wet	1	1	100	9	9	9	9	9	9	9	9	9	9
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	29	29	29	29	29	29	29	29	29	29
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	18	18	18	18	18	18	18	18	18	18
Chrysene	ug/kg-Wet	1	1	100	58	58	58	58	58	58	58	58	58	58
Dibenzo(a,h)anthracene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Fluoranthene	ug/kg-Wet	1	1	100	65	65	65	65	65	65	65	65	65	65
Fluorene	ug/kg-Wet	1	1	100	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
High Molecular Weight PAH	ug/kg-Wet	1	1	100	296 T	296 T	296	296 T	296 T	296 T	296 T	296	296 T	296 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	33 T	33 T	33	33 T	33 T	33 T	33 T	33	33 T	33 T
Naphthalene	ug/kg-Wet	1	0	0						1.1 U	1.1 U	0.55	0.55 U	0.55 U
Phenanthrene	ug/kg-Wet	1	1	100	15	15	15	15	15	15	15	15	15	15
Pyrene	ug/kg-Wet	1	1	100	82	82	82	82	82	82	82	82	82	82
Total PAHs	ug/kg-Wet	1	1	100	329 T	329 T	329	329 T	329 T	329 T	329 T	329	329 T	329 T
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
PCB002	ug/kg-Wet	1	1	100	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109
PCB003	ug/kg-Wet	1	1	100	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523
PCB004	ug/kg-Wet	1	1	100	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
PCB005	ug/kg-Wet	1	1	100	0.00294	0.00294	0.00294	0.00294	0.00294	0.00294	0.00294	0.00294	0.00294	0.00294
PCB006	ug/kg-Wet	1	1	100	0.0825	0.0825	0.0825	0.0825	0.0825	0.0825	0.0825	0.0825	0.0825	0.0825
PCB007	ug/kg-Wet	1	1	100	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199
PCB008	ug/kg-Wet	1	1	100	0.272	0.272	0.272	0.272	0.272	0.272	0.272	0.272	0.272	0.272
PCB009	ug/kg-Wet	1	1	100	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132
PCB010	ug/kg-Wet	1	1	100	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
PCB011	ug/kg-Wet	1	1	100	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196	0.196
PCB012 & 013	ug/kg-Wet	1	1	100	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
PCB014	ug/kg-Wet	1	1	100	0.000572 J	0.000572 J	0.000572	0.000572 J	0.000572 J	0.000572 J	0.000572 J	0.000572	0.000572 J	0.000572 J
PCB015	ug/kg-Wet	1	1	100	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242	0.242
PCB016	ug/kg-Wet	1	1	100	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263	0.263
PCB017	ug/kg-Wet	1	1	100	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728
PCB018 & 030	ug/kg-Wet	1	1	100	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951
PCB019	ug/kg-Wet	1	1	100	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419	0.419
PCB020 & 028	ug/kg-Wet	1	1	100	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08
PCB021 & 033	ug/kg-Wet	1	1	100	0.887	0.887	0.887	0.887	0.887	0.887	0.887	0.887	0.887	0.887
PCB022	ug/kg-Wet	1	1	100	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
PCB023	ug/kg-Wet	1	1	100	0.00218	0.00218	0.00218	0.00218	0.00218	0.00218	0.00218	0.00218	0.00218	0.00218
PCB024	ug/kg-Wet	1	1	100	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114
PCB025	ug/kg-Wet	1	1	100	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303
PCB026 & 029	ug/kg-Wet	1	1	100	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497	0.497
PCB027	ug/kg-Wet	1	1	100	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
PCB031	ug/kg-Wet	1	1	100	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
PCB032	ug/kg-Wet	1	1	100	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
PCB034	ug/kg-Wet	1	1	100	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653
PCB035	ug/kg-Wet	1	1	100	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
PCB036	ug/kg-Wet	1	0	0						0.000887 U	0.000887 U	0.000444	0.0004435 U	0.0004435 U
PCB037	ug/kg-Wet	1	1	100	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
PCB038	ug/kg-Wet	1	0	0						0.000929 U	0.000929 U	0.000465	0.0004645 U	0.0004645 U
PCB039	ug/kg-Wet	1	1	100	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
PCB042	ug/kg-Wet	1	1	100	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91	4.91
PCB043	ug/kg-Wet	1	1	100	0.709	0.709	0.709	0.709	0.709	0.709	0.709	0.709	0.709	0.709
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
PCB045 & 051	ug/kg-Wet	1	1	100	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
PCB046	ug/kg-Wet	1	1	100	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
PCB048	ug/kg-Wet	1	1	100	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
PCB049 & 069	ug/kg-Wet	1	1	100	14	14	14	14	14	14	14	14	14	14
PCB050 & 053	ug/kg-Wet	1	1	100	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
PCB052	ug/kg-Wet	1	1	100	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
PCB054	ug/kg-Wet	1	1	100	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644
PCB055	ug/kg-Wet	1	0	0						0.0163 U	0.0163 U	0.00815	0.00815 U	0.00815 U
PCB056	ug/kg-Wet	1	1	100	9.61	9.61	9.61	9.61	9.61	9.61	9.61	9.61	9.61	9.61
PCB057	ug/kg-Wet	1	1	100	0.0732	0.0732	0.0732	0.0732	0.0732	0.0732	0.0732	0.0732	0.0732	0.0732
PCB058	ug/kg-Wet	1	1	100	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
PCB060	ug/kg-Wet	1	1	100	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
PCB063	ug/kg-Wet	1	1	100	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858	0.858
PCB064	ug/kg-Wet	1	1	100	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
PCB066	ug/kg-Wet	1	1	100	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
PCB067	ug/kg-Wet	1	1	100	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374
PCB068	ug/kg-Wet	1	1	100	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117
PCB072	ug/kg-Wet	1	1	100	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199
PCB073	ug/kg-Wet	1	0	0						0.00164 U	0.00164 U	0.00082	0.00082 U	0.00082 U
PCB077	ug/kg-Wet	1	1	100	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
PCB078	ug/kg-Wet	1	0	0						0.0167 U	0.0167 U	0.00835	0.00835 U	0.00835 U
PCB079	ug/kg-Wet	1	1	100	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
PCB080	ug/kg-Wet	1	0	0						0.0146 U	0.0146 U	0.0073	0.0073 U	0.0073 U
PCB081	ug/kg-Wet	1	1	100	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549
PCB082	ug/kg-Wet	1	1	100	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
PCB083 & 099	ug/kg-Wet	1	1	100	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
PCB084	ug/kg-Wet	1	1	100	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61	5.61
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB088 & 091	ug/kg-Wet	1	1	100	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23
PCB089	ug/kg-Wet	1	1	100	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	21	21	21	21	21	21	21	21	21	21
PCB092	ug/kg-Wet	1	1	100	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
PCB094	ug/kg-Wet	1	1	100	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193	0.193
PCB096	ug/kg-Wet	1	1	100	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
PCB103	ug/kg-Wet	1	1	100	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221
PCB104	ug/kg-Wet	1	1	100	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118
PCB105	ug/kg-Wet	1	1	100	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74
PCB106	ug/kg-Wet	1	0	0						0.00134 U	0.00134 U	0.00067	0.00067 U	0.00067 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767
PCB109	ug/kg-Wet	1	1	100	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
PCB110 & 115	ug/kg-Wet	1	1	100	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
PCB111	ug/kg-Wet	1	1	100	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913
PCB112	ug/kg-Wet	1	0	0						0.00347 U	0.00347 U	0.00174	0.001735 U	0.001735 U
PCB114	ug/kg-Wet	1	1	100	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513
PCB118	ug/kg-Wet	1	1	100	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
PCB120	ug/kg-Wet	1	1	100	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
PCB121	ug/kg-Wet	1	1	100	0.00637	0.00637	0.00637	0.00637	0.00637	0.00637	0.00637	0.00637	0.00637	0.00637
PCB122	ug/kg-Wet	1	1	100	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337	0.337
PCB123	ug/kg-Wet	1	1	100	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482
PCB126	ug/kg-Wet	1	1	100	0.0507	0.0507	0.0507	0.0507	0.0507	0.0507	0.0507	0.0507	0.0507	0.0507
PCB127	ug/kg-Wet	1	1	100	0.00852	0.00852	0.00852	0.00852	0.00852	0.00852	0.00852	0.00852	0.00852	0.00852
PCB128 & 166	ug/kg-Wet	1	1	100	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
PCB130	ug/kg-Wet	1	1	100	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884	0.884
PCB131	ug/kg-Wet	1	1	100	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
PCB132	ug/kg-Wet	1	1	100	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
PCB133	ug/kg-Wet	1	1	100	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
PCB134 & 143	ug/kg-Wet	1	1	100	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
PCB136	ug/kg-Wet	1	1	100	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
PCB137	ug/kg-Wet	1	1	100	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
PCB139 & 140	ug/kg-Wet	1	1	100	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
PCB141	ug/kg-Wet	1	1	100	0.753	0.753	0.753	0.753	0.753	0.753	0.753	0.753	0.753	0.753
PCB142	ug/kg-Wet	1	0	0						0.0188 U	0.0188 U	0.0094	0.0094 U	0.0094 U
PCB144	ug/kg-Wet	1	1	100	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
PCB145	ug/kg-Wet	1	1	100	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677
PCB146	ug/kg-Wet	1	1	100	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
PCB147 & 149	ug/kg-Wet	1	1	100	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
PCB148	ug/kg-Wet	1	1	100	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316
PCB150	ug/kg-Wet	1	1	100	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314
PCB152	ug/kg-Wet	1	1	100	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
PCB153 & 168	ug/kg-Wet	1	1	100	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
PCB155	ug/kg-Wet	1	1	100	0.00382	0.00382	0.00382	0.00382	0.00382	0.00382	0.00382	0.00382	0.00382	0.00382
PCB156 & 157	ug/kg-Wet	1	1	100	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
PCB158	ug/kg-Wet	1	1	100	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986	0.986
PCB159	ug/kg-Wet	1	1	100	0.0619	0.0619	0.0619	0.0619	0.0619	0.0619	0.0619	0.0619	0.0619	0.0619
PCB161	ug/kg-Wet	1	0	0						0.0128 U	0.0128 U	0.0064	0.0064 U	0.0064 U
PCB162	ug/kg-Wet	1	1	100	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534
PCB164	ug/kg-Wet	1	1	100	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937
PCB165	ug/kg-Wet	1	0	0						0.015 U	0.015 U	0.0075	0.0075 U	0.0075 U
PCB167	ug/kg-Wet	1	1	100	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473	0.473
PCB169	ug/kg-Wet	1	0	0						0.0156 U	0.0156 U	0.0078	0.0078 U	0.0078 U
PCB170	ug/kg-Wet	1	1	100	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
PCB171 & 173	ug/kg-Wet	1	1	100	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528
PCB172	ug/kg-Wet	1	1	100	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304
PCB174	ug/kg-Wet	1	1	100	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
PCB175	ug/kg-Wet	1	1	100	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073	0.073
PCB176	ug/kg-Wet	1	1	100	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314	0.314
PCB177	ug/kg-Wet	1	1	100	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
PCB178	ug/kg-Wet	1	1	100	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541
PCB179	ug/kg-Wet	1	1	100	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
PCB180 & 193	ug/kg-Wet	1	1	100	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
PCB181	ug/kg-Wet	1	1	100	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224
PCB182	ug/kg-Wet	1	0	0						0.00253 U	0.00253 U	0.00127	0.001265 U	0.001265 U
PCB183 & 185	ug/kg-Wet	1	1	100	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
PCB184	ug/kg-Wet	1	1	100	0.00265	0.00265	0.00265	0.00265	0.00265	0.00265	0.00265	0.00265	0.00265	0.00265
PCB186	ug/kg-Wet	1	1	100	0.000544 J	0.000544 J	0.000544	0.000544 J	0.000544 J	0.000544 J	0.000544 J	0.000544	0.000544 J	0.000544 J
PCB187	ug/kg-Wet	1	1	100	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
PCB188	ug/kg-Wet	1	1	100	0.00733	0.00733	0.00733	0.00733	0.00733	0.00733	0.00733	0.00733	0.00733	0.00733
PCB189	ug/kg-Wet	1	1	100	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
PCB190	ug/kg-Wet	1	1	100	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446
PCB191	ug/kg-Wet	1	1	100	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
PCB192	ug/kg-Wet	1	0	0						0.00149 U	0.00149 U	0.000745	0.000745 U	0.000745 U
PCB194	ug/kg-Wet	1	1	100	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388	0.388

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB195	ug/kg-Wet	1	1	100	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275	0.275
PCB196	ug/kg-Wet	1	1	100	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
PCB197 & 200	ug/kg-Wet	1	1	100	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
PCB198 & 199	ug/kg-Wet	1	1	100	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
PCB201	ug/kg-Wet	1	1	100	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.127
PCB202	ug/kg-Wet	1	1	100	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232	0.232
PCB203	ug/kg-Wet	1	1	100	0.553	0.553	0.553	0.553	0.553	0.553	0.553	0.553	0.553	0.553
PCB204	ug/kg-Wet	1	1	100	0.000521 J	0.000521 J	0.000521	0.000521 J	0.000521 J	0.000521 J	0.000521 J	0.000521	0.000521 J	0.000521 J
PCB205	ug/kg-Wet	1	1	100	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387	0.0387
PCB206	ug/kg-Wet	1	1	100	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184	0.184
PCB207	ug/kg-Wet	1	1	100	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285
PCB208	ug/kg-Wet	1	1	100	0.0914	0.0914	0.0914	0.0914	0.0914	0.0914	0.0914	0.0914	0.0914	0.0914
PCB209	ug/kg-Wet	1	1	100	0.0893	0.0893	0.0893	0.0893	0.0893	0.0893	0.0893	0.0893	0.0893	0.0893
Total PCB Congeners	ug/kg-Wet	1	1	100	402	402	402	402	402	402	402	402	402	402
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304	0.304
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	141	141	141	141	141	141	141	141	141	141
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	162	162	162	162	162	162	162	162	162	162
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
2,4'-DDE	ug/kg-Wet	1	1	100	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
2,4'-DDT	ug/kg-Wet	1	0	0						0.0469 U	0.0469 U	0.0235	0.02345 U	0.02345 U
4,4'-DDD	ug/kg-Wet	1	1	100	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
4,4'-DDE	ug/kg-Wet	1	1	100	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
4,4'-DDT	ug/kg-Wet	1	1	100	0.163 J	0.163 J	0.163	0.163 J	0.163 J	0.163 J	0.163 J	0.163	0.163 J	0.163 J
Aldrin	ug/kg-Wet	1	1	100	0.335 J	0.335 J	0.335	0.335 J	0.335 J	0.335 J	0.335 J	0.335	0.335 J	0.335 J
alpha-Endosulfan	ug/kg-Wet	1	0	0						0.0237 U	0.0237 U	0.0119	0.01185 U	0.01185 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0629 U	0.0629 U	0.0315	0.03145 U	0.03145 U
beta-Endosulfan	ug/kg-Wet	1	1	100	0.0649 J	0.0649 J	0.0649	0.0649 J	0.0649 J	0.0649 J	0.0649 J	0.0649	0.0649 J	0.0649 J
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0413 U	0.0413 U	0.0207	0.02065 U	0.02065 U
cis-Chlordane	ug/kg-Wet	1	1	100	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
cis-Nonachlor	ug/kg-Wet	1	1	100	0.378 J	0.378 J	0.378	0.378 J	0.378 J	0.378 J	0.378 J	0.378	0.378 J	0.378 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0181 U	0.0181 U	0.00905	0.00905 U	0.00905 U
Dieldrin	ug/kg-Wet	1	1	100	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342	0.342
Endrin aldehyde	ug/kg-Wet	1	0	0						0.019 U	0.019 U	0.0095	0.0095 U	0.0095 U
Endrin ketone	ug/kg-Wet	1	0	0						0.0395 U	0.0395 U	0.0198	0.01975 U	0.01975 U
Endrin	ug/kg-Wet	1	0	0						0.0253 U	0.0253 U	0.0127	0.01265 U	0.01265 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0303 U	0.0303 U	0.0152	0.01515 U	0.01515 U
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.0213 J	0.0213 J	0.0213	0.0213 J	0.0213 J	0.0213 J	0.0213 J	0.0213	0.0213 J	0.0213 J
Heptachlor	ug/kg-Wet	1	0	0						0.022 U	0.022 U	0.011	0.011 U	0.011 U
Methoxychlor	ug/kg-Wet	1	0	0						0.0231 U	0.0231 U	0.0116	0.01155 U	0.01155 U
Oxychlordane	ug/kg-Wet	1	0	0						0.0177 U	0.0177 U	0.00885	0.00885 U	0.00885 U
Total Chlordanes	ug/kg-Wet	1	1	100	3.4 JT	3.4 JT	3.4	3.4 JT	3.4 JT	3.4 JT	3.4 JT	3.4	3.4 JT	3.4 JT
Total Endosulfan	ug/kg-Wet	1	1	100	0.407 JT	0.407 JT	0.407	0.407 JT	0.407 JT	0.407 JT	0.407 JT	0.407	0.407 JT	0.407 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	41 JT	41 JT	41	41 JT	41 JT	41 JT	41 JT	41	41 JT	41 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	15.5 T	15.5 T	15.5	15.5 T	15.5 T	15.5 T	15.5 T	15.5	15.5 T	15.5 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	25.3 T	25.3 T	25.3	25.3 T	25.3 T	25.3 T	25.3 T	25.3	25.3 T	25.3 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	0.163 JT	0.163 JT	0.163	0.163 JT	0.163 JT	0.163 JT	0.163 JT	0.163	0.163 JT	0.163 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	38.2 JT	38.2 JT	38.2	38.2 JT	38.2 JT	38.2 JT	38.2 JT	38.2	38.2 JT	38.2 JT
trans-Chlordane	ug/kg-Wet	1	1	100	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921
trans-Nonachlor	ug/kg-Wet	1	1	100	0.635	0.635	0.635	0.635	0.635	0.635	0.635	0.635	0.635	0.635
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	1	100	160	160	160	160	160	160	160	160	160	160
4-Methylphenol	ug/kg-Wet	1	1	100	58 J	58 J	58	58 J	58 J	58 J	58 J	58	58 J	58 J
Pentachlorophenol	ug/kg-Wet	1	0	0						31 U	31 U	15.5	15.5 U	15.5 U
Phenol	ug/kg-Wet	1	1	100	19 J	19 J	19	19 J	19 J	19 J	19 J	19	19 J	19 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	140 J	140 J	140	140 J	140 J	140 J	140 J	140	140 J	140 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						16 U	16 U	8	8 U	8 U
Diethyl phthalate	ug/kg-Wet	1	0	0						9.4 U	9.4 U	4.7	4.7 U	4.7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Benzyl alcohol	ug/kg-Wet	1	1	100	680	680	680	680	680	680	680	680	680	680

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Dibenzofuran	ug/kg-Wet	1	1	100	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341	0.341
Hexachlorobutadiene	ug/kg-Wet	1	1	100	0.00374 J	0.00374 J	0.00374	0.00374 J	0.00374 J	0.00374 J	0.00374 J	0.00374	0.00374 J	0.00374 J
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
MULTNOMAH CHANNEL														
Lab-exposed worms/Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.000357 U	0.000357 U	0.000179	0.0001785 U	0.0001785 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000185 U	0.000185 U	0.0000925	0.0000925 U	0.0000925 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000382 U	0.000382 U	0.000191	0.000191 U	0.000191 U
Aroclor 1242	ug/kg-Wet	1	1	100	2.33 NJ	2.33 NJ	2.33	2.33 NJ	2.33 NJ	2.33 NJ	2.33 NJ	2.33	2.33 NJ	2.33 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.0131 U	0.0131 U	0.00655	0.00655 U	0.00655 U
Aroclor 1254	ug/kg-Wet	1	1	100	19.4 NJ	19.4 NJ	19.4	19.4 NJ	19.4 NJ	19.4 NJ	19.4 NJ	19.4	19.4 NJ	19.4 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	8.02 NJ	8.02 NJ	8.02	8.02 NJ	8.02 NJ	8.02 NJ	8.02 NJ	8.02	8.02 NJ	8.02 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	29.8 JT	29.8 JT	29.8	29.8 JT	29.8 JT	29.8 JT	29.8 JT	29.8	29.8 JT	29.8 JT
Butyltins														
Butyltin ion	ug/kg-Wet	1	1	100	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Dibutyltin ion	ug/kg-Wet	1	0	0						1.2 U	1.2 U	0.6	0.6 U	0.6 U
Tetrabutyltin	ug/kg-Wet	1	0	0						0.46 U	0.46 U	0.23	0.23 U	0.23 U
Tributyltin ion	ug/kg-Wet	1	1	100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Conventionals														
Lipids	percent-Wet	1	1	100	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07
Total solids	percent-Wet	1	1	100	15	15	15	15	15	15	15	15	15	15
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	1	1	100	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
Hexachlorodibenzofuran homologs	pg/g-Wet	1	1	100	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44
Octachlorodibenzofuran	pg/g-Wet	1	1	100	1.69 J	1.69 J	1.69	1.69 J	1.69 J	1.69 J	1.69 J	1.69	1.69 J	1.69 J
Octachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
Pentachlorodibenzofuran homologs	pg/g-Wet	1	1	100	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
Tetrachlorodibenzofuran homologs	pg/g-Wet	1	1	100	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	1	1	100	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	1	1	100	0.91 J	0.91 J	0.91	0.91 J	0.91 J	0.91 J	0.91 J	0.91	0.91 J	0.91 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	1	1	100	0.062 J	0.062 J	0.062	0.062 J	0.062 J	0.062 J	0.062 J	0.062	0.062 J	0.062 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.571 J	0.571 J	0.571	0.571 J	0.571 J	0.571 J	0.571 J	0.571	0.571 J	0.571 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.213 J	0.213 J	0.213	0.213 J	0.213 J	0.213 J	0.213 J	0.213	0.213 J	0.213 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	1	0	0						0.133 U	0.133 U	0.0665	0.0665 U	0.0665 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.334 J	0.334 J	0.334	0.334 J	0.334 J	0.334 J	0.334 J	0.334	0.334 J	0.334 J
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	1.02 J	1.02 J	1.02	1.02 J	1.02 J	1.02 J	1.02 J	1.02	1.02 J	1.02 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	1	1	100	0.439 J	0.439 J	0.439	0.439 J	0.439 J	0.439 J	0.439 J	0.439	0.439 J	0.439 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	1	1	100	0.141 J	0.141 J	0.141	0.141 J	0.141 J	0.141 J	0.141 J	0.141	0.141 J	0.141 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	1	1	100	0.888 J	0.888 J	0.888	0.888 J	0.888 J	0.888 J	0.888 J	0.888	0.888 J	0.888 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	1	1	100	2	2	2	2	2	2	2	2	2	2
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	1	0	0						0.213 U	0.213 U	0.107	0.1065 U	0.1065 U
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	1	1	100	1.43 JT	1.43 JT	1.43	1.43 JT	1.43 JT	1.43 JT	1.43 JT	1.43	1.43 JT	1.43 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.902 JT	0.902 JT	0.902	0.902 JT	0.902 JT	0.902 JT	0.902 JT	0.902	0.902 JT	0.902 JT
Total PCDD/F	pg/g-Wet	1	1	100	68.1 JT	68.1 JT	68.1	68.1 JT	68.1 JT	68.1 JT	68.1 JT	68.1	68.1 JT	68.1 JT
Total TCDD toxicity equivalent	pg/g-Wet	1	1	100	2.34 JT	2.34 JT	2.34	2.34 JT	2.34 JT	2.34 JT	2.34 JT	2.34	2.34 JT	2.34 JT
Metals														
Aluminum	mg/kg-Wet	1	1	100	235	235	235	235	235	235	235	235	235	235
Antimony	mg/kg-Wet	1	0	0						0.002 UJ	0.002 UJ	0.001	0.001 UJ	0.001 UJ
Arsenic	mg/kg-Wet	1	1	100	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
Cadmium	mg/kg-Wet	1	1	100	0.087 J	0.087 J	0.087	0.087 J	0.087 J	0.087 J	0.087 J	0.087	0.087 J	0.087 J
Chromium	mg/kg-Wet	1	1	100	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Copper	mg/kg-Wet	1	1	100	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
Lead	mg/kg-Wet	1	1	100	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201	0.201
Mercury	mg/kg-Wet	1	1	100	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
Nickel	mg/kg-Wet	1	1	100	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399	0.399
Selenium	mg/kg-Wet	1	1	100	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Silver	mg/kg-Wet	1	1	100	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
Zinc	mg/kg-Wet	1	1	100	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	1	100	0.62 J	0.62 J	0.62	0.62 J	0.62 J	0.62 J	0.62 J	0.62	0.62 J	0.62 J
Acenaphthene	ug/kg-Wet	1	1	100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Acenaphthylene	ug/kg-Wet	1	1	100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Anthracene	ug/kg-Wet	1	1	100	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
Benzo(a)anthracene	ug/kg-Wet	1	1	100	38	38	38	38	38	38	38	38	38	38
Benzo(a)pyrene	ug/kg-Wet	1	1	100	24	24	24	24	24	24	24	24	24	24
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	39	39	39	39	39	39	39	39	39	39
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	16	16	16	16	16	16	16	16	16	16

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	26	26	26	26	26	26	26	26	26	26
Chrysene	ug/kg-Wet	1	1	100	120	120	120	120	120	120	120	120	120	120
Dibenzo(a,h)anthracene	ug/kg-Wet	1	1	100	2	2	2	2	2	2	2	2	2	2
Fluoranthene	ug/kg-Wet	1	1	100	81	81	81	81	81	81	81	81	81	81
Fluorene	ug/kg-Wet	1	1	100	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
High Molecular Weight PAH	ug/kg-Wet	1	1	100	475 T	475 T	475	475 T	475 T	475 T	475 T	475	475 T	475 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	41.4 JT	41.4 JT	41.4	41.4 JT	41.4 JT	41.4 JT	41.4 JT	41.4	41.4 JT	41.4 JT
Naphthalene	ug/kg-Wet	1	0	0						0.46 U	0.46 U	0.23	0.23 U	0.23 U
Phenanthrene	ug/kg-Wet	1	1	100	25	25	25	25	25	25	25	25	25	25
Pyrene	ug/kg-Wet	1	1	100	120	120	120	120	120	120	120	120	120	120
Total PAHs	ug/kg-Wet	1	1	100	517 JT	517 JT	517	517 JT	517 JT	517 JT	517 JT	517	517 JT	517 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.00291	0.00291	0.00291	0.00291	0.00291	0.00291	0.00291	0.00291	0.00291	0.00291
PCB002	ug/kg-Wet	1	1	100	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164	0.00164
PCB003	ug/kg-Wet	1	1	100	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303
PCB004	ug/kg-Wet	1	1	100	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785
PCB005	ug/kg-Wet	1	1	100	0.00172	0.00172	0.00172	0.00172	0.00172	0.00172	0.00172	0.00172	0.00172	0.00172
PCB006	ug/kg-Wet	1	1	100	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202
PCB007	ug/kg-Wet	1	1	100	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443	0.00443
PCB008	ug/kg-Wet	1	1	100	0.0993	0.0993	0.0993	0.0993	0.0993	0.0993	0.0993	0.0993	0.0993	0.0993
PCB009	ug/kg-Wet	1	1	100	0.00477	0.00477	0.00477	0.00477	0.00477	0.00477	0.00477	0.00477	0.00477	0.00477
PCB010	ug/kg-Wet	1	1	100	0.00326	0.00326	0.00326	0.00326	0.00326	0.00326	0.00326	0.00326	0.00326	0.00326
PCB011	ug/kg-Wet	1	1	100	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165	0.165
PCB012 & 013	ug/kg-Wet	1	1	100	0.00944	0.00944	0.00944	0.00944	0.00944	0.00944	0.00944	0.00944	0.00944	0.00944
PCB014	ug/kg-Wet	1	0	0						0.000748 U	0.000748 U	0.000374	0.000374 U	0.000374 U
PCB015	ug/kg-Wet	1	1	100	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525
PCB016	ug/kg-Wet	1	1	100	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
PCB017	ug/kg-Wet	1	1	100	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069
PCB018 & 030	ug/kg-Wet	1	1	100	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
PCB019	ug/kg-Wet	1	1	100	0.0964	0.0964	0.0964	0.0964	0.0964	0.0964	0.0964	0.0964	0.0964	0.0964
PCB020 & 028	ug/kg-Wet	1	1	100	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344	0.344
PCB021 & 033	ug/kg-Wet	1	1	100	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101
PCB022	ug/kg-Wet	1	1	100	0.0809	0.0809	0.0809	0.0809	0.0809	0.0809	0.0809	0.0809	0.0809	0.0809
PCB023	ug/kg-Wet	1	1	100	0.000167 J	0.000167 J	0.000167	0.000167 J	0.000167 J	0.000167 J	0.000167 J	0.000167	0.000167 J	0.000167 J
PCB024	ug/kg-Wet	1	1	100	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134	0.00134
PCB025	ug/kg-Wet	1	1	100	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
PCB026 & 029	ug/kg-Wet	1	1	100	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424
PCB027	ug/kg-Wet	1	1	100	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204
PCB031	ug/kg-Wet	1	1	100	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227	0.227
PCB032	ug/kg-Wet	1	1	100	0.0548	0.0548	0.0548	0.0548	0.0548	0.0548	0.0548	0.0548	0.0548	0.0548
PCB034	ug/kg-Wet	1	1	100	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161	0.00161
PCB035	ug/kg-Wet	1	1	100	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677	0.00677
PCB036	ug/kg-Wet	1	1	100	0.00245	0.00245	0.00245	0.00245	0.00245	0.00245	0.00245	0.00245	0.00245	0.00245
PCB037	ug/kg-Wet	1	1	100	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771
PCB038	ug/kg-Wet	1	1	100	0.000654	0.000654	0.000654	0.000654	0.000654	0.000654	0.000654	0.000654	0.000654	0.000654
PCB039	ug/kg-Wet	1	1	100	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303	0.00303
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
PCB042	ug/kg-Wet	1	1	100	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
PCB043	ug/kg-Wet	1	1	100	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PCB045 & 051	ug/kg-Wet	1	1	100	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
PCB046	ug/kg-Wet	1	1	100	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255
PCB048	ug/kg-Wet	1	1	100	0.0874	0.0874	0.0874	0.0874	0.0874	0.0874	0.0874	0.0874	0.0874	0.0874
PCB049 & 069	ug/kg-Wet	1	1	100	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552
PCB050 & 053	ug/kg-Wet	1	1	100	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
PCB052	ug/kg-Wet	1	1	100	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936	0.936
PCB054	ug/kg-Wet	1	1	100	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342
PCB055	ug/kg-Wet	1	0	0						0.0023 U	0.0023 U	0.00115	0.00115 U	0.00115 U
PCB056	ug/kg-Wet	1	1	100	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
PCB057	ug/kg-Wet	1	1	100	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
PCB058	ug/kg-Wet	1	1	100	0.00323	0.00323	0.00323	0.00323	0.00323	0.00323	0.00323	0.00323	0.00323	0.00323
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.0743	0.0743	0.0743	0.0743	0.0743	0.0743	0.0743	0.0743	0.0743	0.0743
PCB060	ug/kg-Wet	1	1	100	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145	0.145
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
PCB063	ug/kg-Wet	1	1	100	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351
PCB064	ug/kg-Wet	1	1	100	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
PCB066	ug/kg-Wet	1	1	100	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786
PCB067	ug/kg-Wet	1	1	100	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
PCB068	ug/kg-Wet	1	1	100	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179
PCB072	ug/kg-Wet	1	1	100	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184
PCB073	ug/kg-Wet	1	1	100	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157
PCB077	ug/kg-Wet	1	1	100	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611	0.0611
PCB078	ug/kg-Wet	1	0	0						0.00231 U	0.00231 U	0.00116	0.001155 U	0.001155 U
PCB079	ug/kg-Wet	1	1	100	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
PCB080	ug/kg-Wet	1	0	0						0.00211 U	0.00211 U	0.00106	0.001055 U	0.001055 U
PCB081	ug/kg-Wet	1	0	0						0.00214 U	0.00214 U	0.00107	0.00107 U	0.00107 U

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB082	ug/kg-Wet	1	1	100	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
PCB083 & 099	ug/kg-Wet	1	1	100	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
PCB084	ug/kg-Wet	1	1	100	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331	0.331
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	1	1	100	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996
PCB088 & 091	ug/kg-Wet	1	1	100	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
PCB089	ug/kg-Wet	1	1	100	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
PCB092	ug/kg-Wet	1	1	100	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.511	0.511
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
PCB094	ug/kg-Wet	1	1	100	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366
PCB096	ug/kg-Wet	1	1	100	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202
PCB103	ug/kg-Wet	1	1	100	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792	0.0792
PCB104	ug/kg-Wet	1	1	100	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101
PCB105	ug/kg-Wet	1	1	100	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543
PCB106	ug/kg-Wet	1	0	0						0.00279 U	0.00279 U	0.0014	0.001395 U	0.001395 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059	0.059
PCB109	ug/kg-Wet	1	1	100	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
PCB110 & 115	ug/kg-Wet	1	1	100	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
PCB111	ug/kg-Wet	1	1	100	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572
PCB112	ug/kg-Wet	1	0	0						0.000735 U	0.000735 U	0.000368	0.0003675 U	0.0003675 U
PCB114	ug/kg-Wet	1	1	100	0.0308	0.0308	0.0308	0.0308	0.0308	0.0308	0.0308	0.0308	0.0308	0.0308
PCB118	ug/kg-Wet	1	1	100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
PCB120	ug/kg-Wet	1	1	100	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197
PCB121	ug/kg-Wet	1	1	100	0.00697	0.00697	0.00697	0.00697	0.00697	0.00697	0.00697	0.00697	0.00697	0.00697
PCB122	ug/kg-Wet	1	1	100	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215
PCB123	ug/kg-Wet	1	1	100	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
PCB126	ug/kg-Wet	1	1	100	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
PCB127	ug/kg-Wet	1	0	0						0.00306 U	0.00306 U	0.00153	0.00153 U	0.00153 U
PCB128 & 166	ug/kg-Wet	1	1	100	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01
PCB130	ug/kg-Wet	1	1	100	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
PCB131	ug/kg-Wet	1	1	100	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207
PCB132	ug/kg-Wet	1	1	100	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839
PCB133	ug/kg-Wet	1	1	100	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
PCB134 & 143	ug/kg-Wet	1	1	100	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19
PCB136	ug/kg-Wet	1	1	100	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486	0.486
PCB137	ug/kg-Wet	1	1	100	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276
PCB139 & 140	ug/kg-Wet	1	1	100	0.0579	0.0579	0.0579	0.0579	0.0579	0.0579	0.0579	0.0579	0.0579	0.0579
PCB141	ug/kg-Wet	1	1	100	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128
PCB142	ug/kg-Wet	1	0	0						0.0072 U	0.0072 U	0.0036	0.0036 U	0.0036 U
PCB144	ug/kg-Wet	1	1	100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
PCB145	ug/kg-Wet	1	1	100	0.000967	0.000967	0.000967	0.000967	0.000967	0.000967	0.000967	0.000967	0.000967	0.000967
PCB146	ug/kg-Wet	1	1	100	0.917	0.917	0.917	0.917	0.917	0.917	0.917	0.917	0.917	0.917
PCB147 & 149	ug/kg-Wet	1	1	100	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
PCB148	ug/kg-Wet	1	1	100	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273
PCB150	ug/kg-Wet	1	1	100	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245
PCB152	ug/kg-Wet	1	1	100	0.00984	0.00984	0.00984	0.00984	0.00984	0.00984	0.00984	0.00984	0.00984	0.00984
PCB153 & 168	ug/kg-Wet	1	1	100	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11
PCB155	ug/kg-Wet	1	1	100	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404	0.00404
PCB156 & 157	ug/kg-Wet	1	1	100	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
PCB158	ug/kg-Wet	1	1	100	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
PCB159	ug/kg-Wet	1	1	100	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
PCB161	ug/kg-Wet	1	0	0						0.00491 U	0.00491 U	0.00246	0.002455 U	0.002455 U
PCB162	ug/kg-Wet	1	1	100	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911	0.00911
PCB164	ug/kg-Wet	1	1	100	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273	0.273
PCB165	ug/kg-Wet	1	1	100	0.00926	0.00926	0.00926	0.00926	0.00926	0.00926	0.00926	0.00926	0.00926	0.00926
PCB167	ug/kg-Wet	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
PCB169	ug/kg-Wet	1	0	0						0.00665 U	0.00665 U	0.00333	0.003325 U	0.003325 U
PCB170	ug/kg-Wet	1	1	100	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652	0.652
PCB171 & 173	ug/kg-Wet	1	1	100	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234	0.234
PCB172	ug/kg-Wet	1	1	100	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119	0.119
PCB174	ug/kg-Wet	1	1	100	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563	0.563
PCB175	ug/kg-Wet	1	1	100	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309	0.0309
PCB176	ug/kg-Wet	1	1	100	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138	0.138
PCB177	ug/kg-Wet	1	1	100	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659	0.659
PCB178	ug/kg-Wet	1	1	100	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285	0.285
PCB179	ug/kg-Wet	1	1	100	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546
PCB180 & 193	ug/kg-Wet	1	1	100	0.386	0.386	0.386	0.386	0.386	0.386	0.386	0.386	0.386	0.386
PCB181	ug/kg-Wet	1	1	100	0.00838	0.00838	0.00838	0.00838	0.00838	0.00838	0.00838	0.00838	0.00838	0.00838
PCB182	ug/kg-Wet	1	0	0						0.00254 U	0.00254 U	0.00127	0.00127 U	0.00127 U
PCB183 & 185	ug/kg-Wet	1	1	100	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566
PCB184	ug/kg-Wet	1	1	100	0.00196	0.00196	0.00196	0.00196	0.00196	0.00196	0.00196	0.00196	0.00196	0.00196
PCB186	ug/kg-Wet	1	0	0						0.000642 U	0.000642 U	0.000321	0.000321 U	0.000321 U
PCB187	ug/kg-Wet	1	1	100	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
PCB188	ug/kg-Wet	1	1	100	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB189	ug/kg-Wet	1	1	100	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
PCB190	ug/kg-Wet	1	1	100	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208	0.208
PCB191	ug/kg-Wet	1	1	100	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154
PCB192	ug/kg-Wet	1	0	0						0.00149 U	0.00149 U	0.000745	0.000745 U	0.000745 U
PCB194	ug/kg-Wet	1	1	100	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173	0.173
PCB195	ug/kg-Wet	1	1	100	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
PCB196	ug/kg-Wet	1	1	100	0.0896	0.0896	0.0896	0.0896	0.0896	0.0896	0.0896	0.0896	0.0896	0.0896
PCB197 & 200	ug/kg-Wet	1	1	100	0.0828	0.0828	0.0828	0.0828	0.0828	0.0828	0.0828	0.0828	0.0828	0.0828
PCB198 & 199	ug/kg-Wet	1	1	100	0.604	0.604	0.604	0.604	0.604	0.604	0.604	0.604	0.604	0.604
PCB201	ug/kg-Wet	1	1	100	0.0719	0.0719	0.0719	0.0719	0.0719	0.0719	0.0719	0.0719	0.0719	0.0719
PCB202	ug/kg-Wet	1	1	100	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137	0.137
PCB203	ug/kg-Wet	1	1	100	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
PCB204	ug/kg-Wet	1	1	100	0.00033 J	0.00033 J	0.00033	0.00033 J	0.00033 J	0.00033 J	0.00033 J	0.00033	0.00033 J	0.00033 J
PCB205	ug/kg-Wet	1	1	100	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
PCB206	ug/kg-Wet	1	1	100	0.141 J	0.141 J	0.141	0.141 J	0.141 J	0.141 J	0.141 J	0.141	0.141 J	0.141 J
PCB207	ug/kg-Wet	1	1	100	0.042 J	0.042 J	0.042	0.042 J	0.042 J	0.042 J	0.042 J	0.042	0.042 J	0.042 J
PCB208	ug/kg-Wet	1	1	100	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668
PCB209	ug/kg-Wet	1	1	100	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814	0.0814
Total PCB Congeners	ug/kg-Wet	1	1	100	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439	0.439
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.00757	0.00757	0.00757	0.00757	0.00757	0.00757	0.00757	0.00757	0.00757	0.00757
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
2,4'-DDE	ug/kg-Wet	1	1	100	0.239 J	0.239 J	0.239	0.239 J	0.239 J	0.239 J	0.239 J	0.239	0.239 J	0.239 J
2,4'-DDT	ug/kg-Wet	1	1	100	0.159 J	0.159 J	0.159	0.159 J	0.159 J	0.159 J	0.159 J	0.159	0.159 J	0.159 J
4,4'-DDD	ug/kg-Wet	1	1	100	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69	9.69
4,4'-DDE	ug/kg-Wet	1	1	100	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
4,4'-DDT	ug/kg-Wet	1	1	100	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
Aldrin	ug/kg-Wet	1	1	100	0.073 J	0.073 J	0.073	0.073 J	0.073 J	0.073 J	0.073 J	0.073	0.073 J	0.073 J
alpha-Endosulfan	ug/kg-Wet	1	0	0						0.0233 U	0.0233 U	0.0117	0.01165 U	0.01165 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.008 J	0.008 J	0.008	0.008 J	0.008 J	0.008 J	0.008 J	0.008	0.008 J	0.008 J
beta-Endosulfan	ug/kg-Wet	1	0	0						0.0496 U	0.0496 U	0.0248	0.0248 U	0.0248 U
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.003 U	0.003 U	0.0015	0.0015 U	0.0015 U
cis-Chlordane	ug/kg-Wet	1	1	100	0.749	0.749	0.749	0.749	0.749	0.749	0.749	0.749	0.749	0.749
cis-Nonachlor	ug/kg-Wet	1	1	100	0.218 J	0.218 J	0.218	0.218 J	0.218 J	0.218 J	0.218 J	0.218	0.218 J	0.218 J
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0182 U	0.0182 U	0.0091	0.0091 U	0.0091 U
Dieldrin	ug/kg-Wet	1	1	100	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499	0.499
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Endrin aldehyde	ug/kg-Wet	1	0	0						0.0191 U	0.0191 U	0.00955	0.00955 U	0.00955 U
Endrin ketone	ug/kg-Wet	1	0	0						0.0398 U	0.0398 U	0.0199	0.0199 U	0.0199 U
Endrin	ug/kg-Wet	1	0	0						0.01 U	0.01 U	0.005	0.005 U	0.005 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.012 J	0.012 J	0.012	0.012 J	0.012 J	0.012 J	0.012 J	0.012	0.012 J	0.012 J
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.0246 J	0.0246 J	0.0246	0.0246 J	0.0246 J	0.0246 J	0.0246 J	0.0246	0.0246 J	0.0246 J
Heptachlor	ug/kg-Wet	1	0	0						0.011 U	0.011 U	0.0055	0.0055 U	0.0055 U
Methoxychlor	ug/kg-Wet	1	0	0						0.019 U	0.019 U	0.0095	0.0095 U	0.0095 U
Oxychlordane	ug/kg-Wet	1	1	100	0.048 J	0.048 J	0.048	0.048 J	0.048 J	0.048 J	0.048 J	0.048	0.048 J	0.048 J
Total Chlordanes	ug/kg-Wet	1	1	100	1.89 JT	1.89 JT	1.89	1.89 JT	1.89 JT	1.89 JT	1.89 JT	1.89	1.89 JT	1.89 JT
Total Endosulfan	ug/kg-Wet	1	1	100	0.35 T	0.35 T	0.35	0.35 T	0.35 T	0.35 T	0.35 T	0.35	0.35 T	0.35 T
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	24.4 JT	24.4 JT	24.4	24.4 JT	24.4 JT	24.4 JT	24.4 JT	24.4	24.4 JT	24.4 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	11.2 T	11.2 T	11.2	11.2 T	11.2 T	11.2 T	11.2 T	11.2	11.2 T	11.2 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	11.7 JT	11.7 JT	11.7	11.7 JT	11.7 JT	11.7 JT	11.7 JT	11.7	11.7 JT	11.7 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	1.43 JT	1.43 JT	1.43	1.43 JT	1.43 JT	1.43 JT	1.43 JT	1.43	1.43 JT	1.43 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	22.5 T	22.5 T	22.5	22.5 T	22.5 T	22.5 T	22.5 T	22.5	22.5 T	22.5 T
trans-Chlordane	ug/kg-Wet	1	1	100	0.438 J	0.438 J	0.438	0.438 J	0.438 J	0.438 J	0.438 J	0.438	0.438 J	0.438 J
trans-Nonachlor	ug/kg-Wet	1	1	100	0.435 J	0.435 J	0.435	0.435 J	0.435 J	0.435 J	0.435 J	0.435	0.435 J	0.435 J
Phenols														
2,4-Dimethylphenol	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
2-Methylphenol	ug/kg-Wet	1	1	100	98	98	98	98	98	98	98	98	98	98
4-Methylphenol	ug/kg-Wet	1	1	100	58 J	58 J	58	58 J	58 J	58 J	58 J	58	58 J	58 J
Pentachlorophenol	ug/kg-Wet	1	0	0						31 U	31 U	15.5	15.5 U	15.5 U
Phenol	ug/kg-Wet	1	1	100	19 J	19 J	19	19 J	19 J	19 J	19 J	19	19 J	19 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	130 J	130 J	130	130 J	130 J	130 J	130 J	130	130 J	130 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						16 U	16 U	8	8 U	8 U
Diethyl phthalate	ug/kg-Wet	1	0	0						9.4 U	9.4 U	4.7	4.7 U	4.7 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						13 U	13 U	6.5	6.5 U	6.5 U
SVOCs														

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Benzyl alcohol	ug/kg-Wet	1	1	100	620	620	620	620	620	620	620	620	620	620
Dibenzofuran	ug/kg-Wet	1	1	100	0.4 J	0.4 J	0.4	0.4 J	0.4 J	0.4 J	0.4 J	0.4	0.4 J	0.4 J
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537	0.537
Hexachlorobutadiene	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
Hexachloroethane	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
STUDY AREA														
Lab-exposed worms/Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	43	0	0						0.000408 U	14 U	0.694	0.001075 U	3.1 U
Aroclor 1221	ug/kg-Wet	43	0	0						0.000153 U	7.3 U	0.381	0.000284 U	1.75 U
Aroclor 1232	ug/kg-Wet	43	0	0						0.000227 U	9.1 U	0.474	0.000341 U	2.15 U
Aroclor 1242	ug/kg-Wet	43	32	74.4	2.8 NJ	1880 NJ	85.4	10.4 NJ	155 NJ	0.0164 U	1880 NJ	63.8	7.38 NJ	57.4 NJ
Aroclor 1248	ug/kg-Wet	43	1	2.33	1830 NJ	1830 NJ	1830	1830 NJ	1830 NJ	0.00428 U	1830 NJ	43	0.02295 U	1.9 U
Aroclor 1254	ug/kg-Wet	43	42	97.7	19.6 NJ	1750 NJ	216	72	470 J	0.0676 U	1750 NJ	211	72	470 J
Aroclor 1260	ug/kg-Wet	43	33	76.7	4.96 NJ	787 NJ	78.4	32.5 NJ	138 NJ	3.1 U	787 NJ	60.7	21.7 NJ	128 NJ
Aroclor 1262	ug/kg-Wet	10	0	0						1.6 U	4.9 U	1.09	0.8 U	1.35 U
Aroclor 1268	ug/kg-Wet	10	0	0						1.3 U	4 U	0.89	0.65 U	1.1 U
Total PCB Aroclors	ug/kg-Wet	43	43	100	30.1 JT	3230 JT	377	114 JT	1860 JT	30.1 JT	3230 JT	377	114 JT	1860 JT
Butyltins														
Butyltin ion	ug/kg-Wet	43	42	97.7	2.2	3600	167	21	300	2.2	3600	163	21	300
Dibutyltin ion	ug/kg-Wet	43	39	90.7	0.62 J	820	33.1	4.1	55	0.47 U	820	30	3.7	38
Tetrabutyltin	ug/kg-Wet	43	11	25.6	0.31 J	4.2	2.07	2.4 NJ	3.1 J	0.067 U	4.2	0.803	0.435 U	2.6
Tributyltin ion	ug/kg-Wet	43	24	55.8	0.89 J	1700	80.4	5.7	31	0.44 U	1700	45.4	2.1	22
Conventionals														
Lipids	percent-Wet	43	43	100	1.35	3.46	2.32	2.32	2.84	1.35	3.46	2.32	2.32	2.84
Total solids	percent-Wet	43	43	100	12.8	17.9	15.1	15	16.6	12.8	17.9	15.1	15	16.6
Dioxin_Furan_Homologs														
Heptachlorodibenzofuran homologs	pg/g-Wet	33	33	100	2.34	58.5	11.5	6.15	28.2	2.34	58.5	11.5	6.15	28.2
Heptachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	33	100	6.25	79.3	23.1	16.1	48.9	6.25	79.3	23.1	16.1	48.9
Hexachlorodibenzofuran homologs	pg/g-Wet	33	33	100	3.11	160	20.7	9.35	50.6	3.11	160	20.7	9.35	50.6
Hexachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	33	100	3.67	71.1	12.1	8.32	21.5	3.67	71.1	12.1	8.32	21.5
Octachlorodibenzofuran	pg/g-Wet	33	33	100	0.97 J	30.6	4.89	2.34	18.2	0.97 J	30.6	4.89	2.34	18.2
Octachlorodibenzo-p-dioxin	pg/g-Wet	33	33	100	10.7	405	60.4	30.4	199	10.7	405	60.4	30.4	199
Pentachlorodibenzofuran homologs	pg/g-Wet	33	33	100	3.68	1380	65.5	13.1	130	3.68	1380	65.5	13.1	130
Pentachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	33	100	1.37	291	12.6	3.47	10.7	1.37	291	12.6	3.47	10.7
Tetrachlorodibenzofuran homologs	pg/g-Wet	33	33	100	4.82	4000	145	16.2	68.5	4.82	4000	145	16.2	68.5
Tetrachlorodibenzo-p-dioxin homologs	pg/g-Wet	33	33	100	5.46	446	22.1	8.71	13.5	5.46	446	22.1	8.71	13.5
Dioxins_Furans														
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g-Wet	33	32	97	0.801 J	13.7	3.41	1.95	10.2	0.801 J	13.7	3.32	1.95	10.2
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g-Wet	33	33	100	3.37	37.7	11.1	7.54	26.1	3.37	37.7	11.1	7.54	26.1
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g-Wet	33	16	48.5	0.055 J	2.75	0.498	0.147 J	1.88	0.055 J	2.75	0.282	0.098 U	1.29
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	33	100	0.257 J	39	3.96	0.827 J	24.4	0.257 J	39	3.96	0.827 J	24.4
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	29	87.9	0.198 J	3.48	0.526	0.408 J	0.708 J	0.198 J	3.48	0.48	0.327 J	0.708 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	29	87.9	0.166 J	13.4	1.42	0.448 J	4.51	0.131 U	13.4	1.26	0.402 J	4.51
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	33	100	1.07 J	19.6	3.43	1.98	7.58	1.07 J	19.6	3.43	1.98	7.58
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g-Wet	33	5	15.2	0.076 J	0.727 J	0.331	0.287 J	0.46 J	0.052 U	0.727 J	0.102	0.0665 U	0.287 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g-Wet	33	27	81.8	0.311 J	5.24	0.974	0.538 J	1.49	0.311 J	5.24	0.852	0.514 J	1.49
1,2,3,7,8-Pentachlorodibenzofuran	pg/g-Wet	33	32	97	0.213 J	76	5.45	0.763 J	12.4	0.213 J	76	5.3	0.763 J	12.4
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g-Wet	33	31	93.9	0.441 J	196	7.19	0.792 J	1.84	0.441 J	196	6.77	0.767 J	1.84
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g-Wet	33	19	57.6	0.142 J	6.08	0.814	0.369 J	1.69	0.133 U	6.08	0.53	0.219 J	1.55
2,3,4,7,8-Pentachlorodibenzofuran	pg/g-Wet	33	32	97	0.374 J	111	6.72	1.1 J	26.1	0.361 U	111	6.52	1.1 J	26.1
2,3,7,8-Tetrachlorodibenzofuran	pg/g-Wet	33	33	100	0.421	447	19	2.27	13.1	0.421	447	19	2.27	13.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g-Wet	33	25	75.8	0.219 J	163	7.24	0.48 J	0.96	0.219 J	163	5.54	0.369	0.96
Dioxin/furan TCDD toxicity equivalent	pg/g-Wet	33	33	100	0.849 JT	472 JT	18.9	2.48 JT	21.9 JT	0.849 JT	472 JT	18.9	2.48 JT	21.9 JT
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	43	43	100	0.31 T	48.8 JT	5.38	1.78 JT	12.5 JT	0.31 T	48.8 JT	5.38	1.78 JT	12.5 JT
Total PCDD/F	pg/g-Wet	33	33	100	51 JT	6440 T	377	122 T	545 T	51 JT	6440 T	377	122 T	545 T
Total TCDD toxicity equivalent	pg/g-Wet	33	33	100	1.81 JT	494 JT	25.6	6.78 JT	44 JT	1.81 JT	494 JT	25.6	6.78 JT	44 JT
Metals														
Aluminum	mg/kg-Wet	33	33	100	106	539	285	291	470	106	539	285	291	470
Antimony	mg/kg-Wet	43	23	53.5	0.002 J	0.014 J	0.00409	0.003 J	0.007 JT	0.001 UJ	0.014 J	0.00278	0.002 J	0.00662 J
Arsenic	mg/kg-Wet	43	43	100	0.246 J	3.04	1.04	0.895	1.83	0.246 J	3.04	1.04	0.895	1.83
Cadmium	mg/kg-Wet	43	43	100	0.0364	0.254	0.0696	0.0552 J	0.108 J	0.0364	0.254	0.0696	0.0552 J	0.108 J
Chromium	mg/kg-Wet	43	41	95.3	0.0952	0.89	0.433	0.42	0.75	0.0384 U	0.89	0.414	0.41	0.75
Copper	mg/kg-Wet	43	43	100	1.83 T	20.2	2.83	2.35	3.27	1.83 T	20.2	2.83	2.35	3.27
Lead	mg/kg-Wet	43	43	100	0.122	0.847 T	0.34	0.3	0.559	0.122	0.847 T	0.34	0.3	0.559
Mercury	mg/kg-Wet	42	41	97.6	0.00206 J	0.0105	0.00488	0.0041	0.0082	0.0009 U	0.0105	0.00478	0.004 J	0.0082
Nickel	mg/kg-Wet	43	43	100	0.132 J	0.535	0.335	0.327	0.507	0.132 J	0.535	0.335	0.327	0.507
Selenium	mg/kg-Wet	33	33	100	0.08	0.37	0.203	0.21 J	0.33	0.08	0.37	0.203	0.21 J	0.33
Silver	mg/kg-Wet	43	43	100	0.0041	0.0142	0.00735	0.0069	0.0105	0.0041	0.0142	0.00735	0.0069	0.0105
Zinc	mg/kg-Wet	43	43	100	18.2 T	31.5	26.3	26.3	30.6	18.2 T	31.5	26.3	26.3	30.6
PAHs														
2-Methylnaphthalene	ug/kg-Wet	43	29	67.4	0.29 J	57	5.92	1.6	19	0.15 U	57	4.09	1.2	7.1

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Acenaphthene	ug/kg-Wet	43	41	95.3	1.7	520	61.3	8.5	460	0.091 U	520	58.4	8.3	460
Acenaphthylene	ug/kg-Wet	43	42	97.7	0.33 J	29	5.7	3.5	20	0.092 U	29	5.57	3.5	20
Anthracene	ug/kg-Wet	43	43	100	1.3	650	41.6	8.3	77	1.3	650	41.6	8.3	77
Benzo(a)anthracene	ug/kg-Wet	43	43	100	5.9	2600	189	40	820	5.9	2600	189	40	820
Benzo(a)pyrene	ug/kg-Wet	43	43	100	2.2	1500	105	17	400	2.2	1500	105	17	400
Benzo(b)fluoranthene	ug/kg-Wet	43	43	100	7.7	1600	147	35	440	7.7	1600	147	35	440
Benzo(g,h,i)perylene	ug/kg-Wet	43	43	100	4	720	56.1	11	140	4	720	56.1	11	140
Benzo(k)fluoranthene	ug/kg-Wet	43	43	100	3.9	1500	108	22	360	3.9	1500	108	22	360
Chrysene	ug/kg-Wet	43	43	100	14	3900	325	86	1300	14	3900	325	86	1300
Dibenzo(a,h)anthracene	ug/kg-Wet	43	34	79.1	0.46 J	95	10	2.1	53	0.11 U	95	7.97	1.8	17
Fluoranthene	ug/kg-Wet	43	43	100	15	10000	758	130	3400	15	10000	758	130	3400
Fluorene	ug/kg-Wet	43	43	100	1.3	300	38.4	6.9	230	1.3	300	38.4	6.9	230
High Molecular Weight PAH	ug/kg-Wet	43	43	100	70.7 T	33600 T	2570	499 T	12100 T	70.7 T	33600 T	2570	499 T	12100 T
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	43	43	100	2	670	48.8	7.9	110	2	670	48.8	7.9	110
Low Molecular Weight PAH	ug/kg-Wet	43	43	100	12.3 T	3760 T	436	61.5 T	3050 T	12.3 T	3760 T	436	61.5 T	3050 T
Naphthalene	ug/kg-Wet	43	6	14	2.9	31	10.7	7.5	11	0.53 U	31	2.17	0.75 U	7.5
Phenanthrene	ug/kg-Wet	43	43	100	4.1	2800	286	33	2200	4.1	2800	286	33	2200
Pyrene	ug/kg-Wet	43	43	100	16	11000	820	130	3800	16	11000	820	130	3800
Total PAHs	ug/kg-Wet	43	43	100	83 T	37300 T	3000	564 JT	15660 T	83 T	37300 T	3000	564 JT	15660 T
PCB_Congeners														
PCB001	ug/kg-Wet	40	30	75	0.0026	1.52	0.14	0.0102	0.463	0.0026	3.1 U	0.208	0.0174	1.23
PCB002	ug/kg-Wet	30	30	100	0.00139	0.156	0.0173	0.00941	0.0281	0.00139	0.156	0.0173	0.00941	0.0281
PCB003	ug/kg-Wet	30	19	63.3	0.00314	0.36	0.0481	0.00819	0.222	0.00282 U	0.639 U	0.0422	0.00657	0.222
PCB004	ug/kg-Wet	32	32	100	0.0759	29.6	2.48	0.159	9.21	0.0759	29.6	2.48	0.159	9.21
PCB005	ug/kg-Wet	43	32	74.4	0.000981	0.863	0.0365	0.00315	0.0679	0.000981	0.863	0.0511	0.00584	0.11 U
PCB006	ug/kg-Wet	33	33	100	0.0157	9.87	0.532	0.0551	0.834	0.0157	9.87	0.532	0.0551	0.834
PCB007	ug/kg-Wet	33	33	100	0.00342	1.95	0.0972	0.0104	0.178	0.00342	1.95	0.0972	0.0104	0.178
PCB008	ug/kg-Wet	43	40	93	0.0639	55.6	2.34	0.26 NJ	7.44	0.0639	55.6	2.2	0.265 U	2.83
PCB009	ug/kg-Wet	33	33	100	0.00442	3.41	0.152	0.0131	0.399	0.00442	3.41	0.152	0.0131	0.399
PCB010	ug/kg-Wet	33	33	100	0.00242 J	1.78	0.0993	0.00783 J	0.218	0.00242 J	1.78	0.0993	0.00783 J	0.218
PCB011	ug/kg-Wet	33	33	100	0.113	0.522	0.207	0.185 J	0.327	0.113	0.522	0.207	0.185 J	0.327
PCB012 & 013	ug/kg-Wet	33	33	100	0.00862	2.22	0.142	0.0228	0.405	0.00862	2.22	0.142	0.0228	0.405
PCB014	ug/kg-Wet	33	19	57.6	0.000306 J	0.0116	0.00197	0.00055 J	0.0105 J	0.000306 J	0.0116	0.00167	0.000545 UJ	0.00515 U
PCB015	ug/kg-Wet	33	33	100	0.041 J	20.1	1.2	0.136	4.27	0.041 J	20.1	1.2	0.136	4.27
PCB016	ug/kg-Wet	33	33	100	0.0511 J	51.8	2.35	0.199 J	4.1	0.0511 J	51.8	2.35	0.199 J	4.1
PCB017	ug/kg-Wet	33	33	100	0.139	65.8	4.32	0.494	13	0.139	65.8	4.32	0.494	13
PCB018 & 030	ug/kg-Wet	33	33	100	0.143 J	164	7.63	0.529	13.6	0.143 J	164	7.63	0.529	13.6
PCB018	ug/kg-Wet	10	10	100	0.36 J	6.1 J	1.93	1.2 NJ	4.1 J	0.36 J	6.1 J	1.93	1.2 NJ	4.1 J
PCB019	ug/kg-Wet	32	32	100	0.124	108	4.59	0.329	8.54	0.124	108	4.59	0.329	8.54
PCB020 & 028	ug/kg-Wet	33	33	100	0.409 J	211	12.2	1.79	49.8	0.409 J	211	12.2	1.79	49.8
PCB021 & 033	ug/kg-Wet	33	33	100	0.154	113	5.35	0.651	6.45	0.154	113	5.35	0.651	6.45
PCB022	ug/kg-Wet	33	33	100	0.0984	74.5	3.71	0.423	8.79	0.0984	74.5	3.71	0.423	8.79
PCB023	ug/kg-Wet	33	29	87.9	0.000355 J	0.223	0.0126	0.00201	0.0318	0.000355 J	0.223	0.0112	0.00201	0.0318
PCB024	ug/kg-Wet	33	31	93.9	0.00193 J	1.66	0.0755	0.00772	0.123	0.000723 U	1.66	0.071	0.00748	0.123
PCB025	ug/kg-Wet	33	33	100	0.0443	12.9	0.897	0.188	2.56	0.0443	12.9	0.897	0.188	2.56
PCB026 & 029	ug/kg-Wet	33	33	100	0.0583	33.7	1.88	0.258	5.35	0.0583	33.7	1.88	0.258	5.35
PCB027	ug/kg-Wet	33	33	100	0.0347	19	1.09	0.101	1.88	0.0347	19	1.09	0.101	1.88
PCB028	ug/kg-Wet	10	10	100	0.84	8	2.63	2.4 J	4.5	0.84	8	2.63	2.4 J	4.5
PCB031	ug/kg-Wet	43	43	100	0.258	196	8.64	1.33	14.9	0.258	196	8.64	1.33	14.9
PCB032	ug/kg-Wet	33	33	100	0.101	41.4	2.71	0.32	9.22	0.101	41.4	2.71	0.32	9.22
PCB033	ug/kg-Wet	10	0	0						0.071 U	1.6 U	0.249	0.25 U	0.42 U
PCB034	ug/kg-Wet	33	32	97	0.00336	1.38	0.0761	0.0131	0.199	0.00336	1.38	0.074	0.0131	0.199
PCB035	ug/kg-Wet	33	33	100	0.00663	1.62	0.0853	0.0187	0.143	0.00663	1.62	0.0853	0.0187	0.143
PCB036	ug/kg-Wet	33	25	75.8	0.00176 J	0.0101	0.00379	0.00331 J	0.00664	0.00176 J	0.0136 U	0.0036	0.0033	0.0068 U
PCB037	ug/kg-Wet	43	37	86	0.0778	42	2.13	0.342	7.45	0.0778	42	1.88	0.325 U	3.6 NJ
PCB038	ug/kg-Wet	33	21	63.6	0.000555 J	0.161	0.0209	0.00389	0.0849	0.000555 J	0.161	0.0136	0.001945 U	0.0849
PCB039	ug/kg-Wet	33	29	87.9	0.00449	1.6	0.124	0.0184	0.563	0.000568 U	1.6	0.109	0.0109 J	0.563
PCB040 & 041 & 071	ug/kg-Wet	33	33	100	0.429	112	10.7	1.55	67.8	0.429	112	10.7	1.55	67.8
PCB042	ug/kg-Wet	33	33	100	0.195	55.6	5.11	0.831	33.4	0.195	55.6	5.11	0.831	33.4
PCB043	ug/kg-Wet	33	33	100	0.0244	9.15	0.838	0.109	5.2	0.0244	9.15	0.838	0.109	5.2
PCB044 & 047 & 065	ug/kg-Wet	33	33	100	1.23	262	30	3.62	168	1.23	262	30	3.62	168
PCB044	ug/kg-Wet	10	10	100	1.2 J	12	3.86	2.7 J	6.7 J	1.2 J	12	3.86	2.7 J	6.7 J
PCB045 & 051	ug/kg-Wet	33	33	100	0.212	100	6.82	0.774	22	0.212	100	6.82	0.774	22
PCB046	ug/kg-Wet	33	33	100	0.0379	11.5	1.02	0.135	5.82	0.0379	11.5	1.02	0.135	5.82
PCB048	ug/kg-Wet	33	33	100	0.117	51.1	3.73	0.416	20.6	0.117	51.1	3.73	0.416	20.6
PCB049 & 069	ug/kg-Wet	33	33	100	0.785	157	16.6	2.37	78.5	0.785	157	16.6	2.37	78.5
PCB049	ug/kg-Wet	10	10	100	1.5	14	4.82	3.9	7.1	1.5	14	4.82	3.9	7.1
PCB050 & 053	ug/kg-Wet	33	33	100	0.181	86.9	5.8	0.68 J	18.4	0.181	86.9	5.8	0.68 J	18.4
PCB052	ug/kg-Wet	43	43	100	1.32	266	21.3	3.82	55.2	1.32	266	21.3	3.82	55.2
PCB054	ug/kg-Wet	33	33	100	0.0226	35.6	1.24	0.0804 J	0.728	0.0226	35.6	1.24	0.0804 J	0.728
PCB055	ug/kg-Wet	33	22	66.7	0.00774	2.55	0.273	0.0338	0.953	0.00191 U	2.55	0.183	0.0166	0.953
PCB056	ug/kg-Wet	43	41	95.3	0.32	97.9	7.35	0.841 J	5.05	0.32	97.9	7.05	0.841 J	5.05
PCB057	ug/kg-Wet	33	33	100	0.00376	1.08	0.104	0.0151	0.48	0.00376	1.08	0.104	0.0151	0.48
PCB058	ug/kg-Wet	33	32	97	0.00457	0.463	0.0576	0.0146 J	0.197	0.00457	0.463	0.056	0.0146 J	0.197
PCB059 & 062 & 075	ug/kg-Wet	33	33	100	0.0884	19.2	1.99	0.29	11.9	0.0884	19.2	1.99	0.29	11.9
PCB060	ug/kg-Wet	43	33	76.7	0.121	46	4.09	0.285 J	32.8	0.121	46	3.3	0.362	2.13
PCB061 & 070 & 074 & 076	ug/kg-Wet	33	33	100	1.55	369	33.2	5.01	202	1.55	369	33.2	5.01	202

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB063	ug/kg-Wet	33	33	100	0.0427	8.57	0.767	0.148	5.24	0.0427	8.57	0.767	0.148	5.24
PCB064	ug/kg-Wet	33	33	100	0.32	119	9.59	1.15	60.9	0.32	119	9.59	1.15	60.9
PCB066	ug/kg-Wet	43	42	97.7	0.851	217	15.7	2.59	11.6	0.094 U	217	15.3	2.59	11.6
PCB067	ug/kg-Wet	33	33	100	0.0274	5.63	0.484	0.0845	2.35	0.0274	5.63	0.484	0.0845	2.35
PCB068	ug/kg-Wet	33	33	100	0.0155	2.33	0.208	0.0665	0.454	0.0155	2.33	0.208	0.0665	0.454
PCB070	ug/kg-Wet	10	10	100	1.3	16	5	4.2	8.7	1.3	16	5	4.2	8.7
PCB072	ug/kg-Wet	33	33	100	0.0203	1.19	0.229	0.0866	0.798	0.0203	1.19	0.229	0.0866	0.798
PCB073	ug/kg-Wet	33	22	66.7	0.0102	8.31	0.462	0.0326	0.487	0.00163 U	8.31	0.309	0.0263	0.487
PCB074	ug/kg-Wet	10	10	100	0.56 J	5.4	1.92	1.7	3.5	0.56 J	5.4	1.92	1.7	3.5
PCB077	ug/kg-Wet	43	33	76.7	0.0596	13.2	1.04	0.169	5.78	0.0596	13.2	0.878	0.25 U	0.892
PCB078	ug/kg-Wet	33	0	0						0.00118 U	0.065 U	0.00414	0.001035 U	0.0197 U
PCB079	ug/kg-Wet	33	33	100	0.0204	1.43	0.228	0.0746	0.845	0.0204	1.43	0.228	0.0746	0.845
PCB080	ug/kg-Wet	33	13	39.4	0.000939	0.0092 J	0.00476	0.00381	0.0092	0.000939	0.0585 U	0.00513	0.002085 U	0.01715 U
PCB081	ug/kg-Wet	43	28	65.1	0.00232	0.516	0.0503	0.00648	0.311	0.00232	32 U	0.952	0.0119	4.05 U
PCB082	ug/kg-Wet	33	33	100	0.16	19.6	2.12	0.503	11.2	0.16	19.6	2.12	0.503	11.2
PCB083 & 099	ug/kg-Wet	33	33	100	1.34	104	16.7	4.81	71.2	1.34	104	16.7	4.81	71.2
PCB084	ug/kg-Wet	33	33	100	0.356	36.9	4.68	1.04	19.6	0.356	36.9	4.68	1.04	19.6
PCB085 & 116 & 117	ug/kg-Wet	33	33	100	0.34	41.9	4.09	1	17.9	0.34	41.9	4.09	1	17.9
PCB086 & 087 & 097 & 108 & 119 & 125	ug/kg-Wet	33	33	100	1.1	114	13.9	3.65	49.7	1.1	114	13.9	3.65	49.7
PCB087	ug/kg-Wet	10	10	100	16	49	28.5	23	46	16	49	28.5	23	46
PCB088 & 091	ug/kg-Wet	33	33	100	0.322	29.3	4.89	1.22	23	0.322	29.3	4.89	1.22	23
PCB089	ug/kg-Wet	33	33	100	0.013	2.89	0.308	0.0545	2.26	0.013	2.89	0.308	0.0545	2.26
PCB090 & 101 & 113	ug/kg-Wet	33	33	100	2.01	144	26.8	7.89	131	2.01	144	26.8	7.89	131
PCB090	ug/kg-Wet	10	2	20	7.4 J	12	9.7	7.4 J	7.4 J	0.12 U	12	3.11	1.75 U	7.4 J
PCB092	ug/kg-Wet	33	33	100	0.435	48.7	5.75	1.75	21	0.435	48.7	5.75	1.75	21
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	33	33	100	1.65	190	26	6.53	119	1.65	190	26	6.53	119
PCB094	ug/kg-Wet	33	33	100	0.0218	17.9	0.773	0.1	1.12	0.0218	17.9	0.773	0.1	1.12
PCB095	ug/kg-Wet	10	10	100	2.7	30	8.9	5.7	13	2.7	30	8.9	5.7	13
PCB096	ug/kg-Wet	33	33	100	0.0157	5.53	0.378	0.0629	1.19	0.0157	5.53	0.378	0.0629	1.19
PCB097	ug/kg-Wet	10	5	50	2.2 NJ	16 J	5.56	2.9 NJ	4.4 NJ	0.75 U	16 J	3.13	1.4 U	4.4 NJ
PCB099	ug/kg-Wet	10	10	100	1.8	14	5.13	3.9	7.7	1.8	14	5.13	3.9	7.7
PCB101	ug/kg-Wet	10	8	80	3.9	39	11.9	6.1	15	3.9	39	10.6	6.1	15
PCB103	ug/kg-Wet	33	33	100	0.0427	15.1	0.93	0.268	2.49	0.0427	15.1	0.93	0.268	2.49
PCB104	ug/kg-Wet	33	33	100	0.00482	4.78	0.176	0.0171	0.235	0.00482	4.78	0.176	0.0171	0.235
PCB105	ug/kg-Wet	43	33	76.7	0.547	61.6	5.76	1.43	24.7	0.1 U	61.6	4.62	1.2	9.52
PCB106	ug/kg-Wet	33	2	6.06	0.0693	0.242	0.156	0.0693	0.0693	0.000719 U	0.242	0.0125	0.002095 U	0.01885 U
PCB107 & 124	ug/kg-Wet	33	33	100	0.059	4.3	0.593	0.193	2.13	0.059	4.3	0.593	0.193	2.13
PCB109	ug/kg-Wet	33	33	100	0.146	7.52	1.25	0.47	4.03	0.146	7.52	1.25	0.47	4.03
PCB110 & 115	ug/kg-Wet	33	33	100	2.24	174	24.6	7.56	70.1	2.24	174	24.6	7.56	70.1
PCB110	ug/kg-Wet	10	8	80	3.7	36	11.9	6.8	17 J	3.7	36	10.6	6.8	17 J
PCB111	ug/kg-Wet	33	30	90.9	0.00354	0.387	0.0373	0.0153	0.0815	0.00354	0.387	0.0346	0.0152	0.0815
PCB112	ug/kg-Wet	33	1	3.03	11.8	11.8	11.8	11.8	11.8	0.00063 U	11.8	0.359	0.00078 U	0.0066 U
PCB114	ug/kg-Wet	43	37	86	0.0306	2.94	0.362	0.12	2.36	0.0306	2.94	0.32	0.0771	0.564
PCB118	ug/kg-Wet	43	43	100	1.63	118	13.1	5.01	27.3	1.63	118	13.1	5.01	27.3
PCB119	ug/kg-Wet	10	2	20	1.4 NJ	3.1 NJ	2.25	1.4 NJ	1.4 NJ	0.5 U	3.1 NJ	0.844	0.36 U	1.4 NJ
PCB120	ug/kg-Wet	33	33	100	0.0144	0.848	0.136	0.0718	0.373	0.0144	0.848	0.136	0.0718	0.373
PCB121	ug/kg-Wet	33	30	90.9	0.00298	1.11	0.0614	0.0126	0.138	0.00165 U	1.11	0.0565	0.0126	0.138
PCB122	ug/kg-Wet	33	33	100	0.0195	1.98	0.222	0.0603	1.06	0.0195	1.98	0.222	0.0603	1.06
PCB123	ug/kg-Wet	43	32	74.4	0.026	2.5	0.291	0.0723	1.47	0.026	2.5	0.264	0.136	0.497
PCB126	ug/kg-Wet	43	31	72.1	0.00515	0.249	0.0356	0.0177	0.118	0.00515	0.48 U	0.0482	0.0264	0.14 U
PCB127	ug/kg-Wet	33	20	60.6	0.00187	0.0444	0.0119	0.00816	0.0306	0.00154 U	0.0444	0.00989	0.00605 U	0.0281
PCB128 & 166	ug/kg-Wet	33	33	100	0.343	8.85	2.23	0.964	8.07	0.343	8.85	2.23	0.964	8.07
PCB128	ug/kg-Wet	10	10	100	0.56 J	4	1.5	1.2 J	2.1	0.56 J	4	1.5	1.2 J	2.1
PCB129 & 138 & 160 & 163	ug/kg-Wet	33	33	100	3.07	314	31.7	12.4	76.9	3.07	314	31.7	12.4	76.9
PCB130	ug/kg-Wet	33	33	100	0.174	6.63	1.25	0.608	3.57	0.174	6.63	1.25	0.608	3.57
PCB131	ug/kg-Wet	33	33	100	0.0192	0.848	0.172	0.0731	0.595	0.0192	0.848	0.172	0.0731	0.595
PCB132	ug/kg-Wet	43	43	100	0.719	55	6.31	2.7	17.8	0.719	55	6.31	2.7	17.8
PCB133	ug/kg-Wet	33	33	100	0.0695	7.06	0.67	0.32	1.61	0.0695	7.06	0.67	0.32	1.61
PCB134 & 143	ug/kg-Wet	33	33	100	0.103	11.8	1.17	0.443	3.17	0.103	11.8	1.17	0.443	3.17
PCB135 & 151 & 154	ug/kg-Wet	33	33	100	0.21	277	20.3	6.44	47	0.21	277	20.3	6.44	47
PCB136	ug/kg-Wet	33	33	100	0.332	49.1	4.35	1.65	9.83	0.332	49.1	4.35	1.65	9.83
PCB137	ug/kg-Wet	33	33	100	0.0139	2.03	0.36	0.169	1.04	0.0139	2.03	0.36	0.169	1.04
PCB138	ug/kg-Wet	10	10	100	4.3 J	28 J	11.1	9 J	17 J	4.3 J	28 J	11.1	9 J	17 J
PCB139 & 140	ug/kg-Wet	33	33	100	0.0429	1.72	0.371	0.181	0.976	0.0429	1.72	0.371	0.181	0.976
PCB141	ug/kg-Wet	43	43	100	0.0543	29.7	2.42	0.881	4.27	0.0543	29.7	2.42	0.881	4.27
PCB142	ug/kg-Wet	33	1	3.03	0.0157	0.0157	0.0157	0.0157	0.0157	0.00245 U	0.279 U	0.0144	0.00695 U	0.0326 U
PCB144	ug/kg-Wet	33	33	100	0.084	11.8	1.26	0.586	3.75	0.084	11.8	1.26	0.586	3.75
PCB145	ug/kg-Wet	33	31	93.9	0.000578	0.101	0.00942	0.00256	0.0323	0.000578	0.101	0.00889	0.00254	0.0323
PCB146	ug/kg-Wet	33	33	100	0.579	58.3	6.03	3.07	13.6	0.579	58.3	6.03	3.07	13.6
PCB147 & 149	ug/kg-Wet	33	33	100	2.46	381	35.8	14.1	80.7	2.46	381	35.8	14.1	80.7
PCB148	ug/kg-Wet	33	33	100	0.0128	2.04	0.168	0.0646	0.57	0.0128	2.04	0.168	0.0646	0.57
PCB149	ug/kg-Wet	10	10	100	4.1	27	11.8	9.7	20	4.1	27	11.8	9.7	20
PCB150	ug/kg-Wet	33	33	100	0.0118	1.92	0.173	0.0616	0.78	0.0118	1.92	0.173	0.0616	0.78
PCB151	ug/kg-Wet	10	10	100	1.9	11	5.46	4.2	11	1.9	11	5.46	4.2	11
PCB152	ug/kg-Wet	33	33	100	0.00475	2.28	0.107	0.0183	0.263	0.00475	2.28	0.107	0.0183	0.263
PCB153 & 168	ug/kg-Wet	33	33	100	2.83	357	31.5	12.1	62.9	2.83	357	31.5	12.1	62.9
PCB153	ug/kg-Wet	10	10	100	4.7	25	12.2	9.8	20	4.7	25	12.2	9.8	20

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB155	ug/kg-Wet	33	32	97	0.00278	0.564	0.0273	0.00594	0.0424	0.00237 U	0.564	0.0265	0.00594	0.0424
PCB156 & 157	ug/kg-Wet	33	33	100	0.225	10.7	1.82	0.767	6.55	0.225	10.7	1.82	0.767	6.55
PCB156	ug/kg-Wet	10	2	20	1.1 J	3.4 NJ	2.25	1.1 J	1.1 J	0.31 U	3.4 NJ	1.12	0.85 U	1.25 U
PCB157	ug/kg-Wet	10	7	70	0.21 NJ	0.65 J	0.386	0.33 NJ	0.58 NJ	0.21 NJ	1.6 U	0.4	0.33 NJ	0.65 J
PCB158	ug/kg-Wet	43	35	81.4	0.148	17.5	1.88	0.802	5.97	0.148	17.5	1.62	0.58 J	4.7
PCB159	ug/kg-Wet	33	32	97	0.0149	2.97	0.265	0.0845	0.508	0.0149	2.97	0.26	0.0845	0.508
PCB161	ug/kg-Wet	33	0	0						0.00175 U	0.195 U	0.00976	0.003895 U	0.0226 U
PCB162	ug/kg-Wet	33	33	100	0.00846	0.223	0.0517	0.0245	0.131	0.00846	0.223	0.0517	0.0245	0.131
PCB164	ug/kg-Wet	33	33	100	0.208	22.7	2.19	0.843	5.37	0.208	22.7	2.19	0.843	5.37
PCB165	ug/kg-Wet	33	26	78.8	0.00507	0.826	0.065	0.0178	0.167	0.00507	0.826	0.0555	0.0178	0.167
PCB166	ug/kg-Wet	10	10	100	3.2	17	8.79	7.7	16	3.2	17	8.79	7.7	16
PCB167	ug/kg-Wet	43	39	90.7	0.081	5.01	0.732	0.42	2.01	0.081	5.01	0.686	0.37 J	1.96
PCB168	ug/kg-Wet	10	0	0						0.26 U	0.79 U	0.177	0.13 U	0.22 U
PCB169	ug/kg-Wet	43	0	0						0.00158 U	1.1 U	0.0662	0.0068 U	0.26 U
PCB170	ug/kg-Wet	43	43	100	0.442	59.6	4.39	1.72	8.72	0.442	59.6	4.39	1.72	8.72
PCB171 & 173	ug/kg-Wet	33	33	100	0.172	16.2	1.62	0.825	3.34	0.172	16.2	1.62	0.825	3.34
PCB172	ug/kg-Wet	33	33	100	0.0687	10.5	0.925	0.339	1.53	0.0687	10.5	0.925	0.339	1.53
PCB174	ug/kg-Wet	43	41	95.3	0.367	54.6	5.02	2.13	10.3	0.367	54.6	4.81	2	10.3
PCB175	ug/kg-Wet	33	33	100	0.0195	2.75	0.252	0.128	0.455	0.0195	2.75	0.252	0.128	0.455
PCB176	ug/kg-Wet	33	33	100	0.0897	9.95	0.989	0.523	2.01	0.0897	9.95	0.989	0.523	2.01
PCB177	ug/kg-Wet	43	43	100	0.486	39	3.62	2	7.13	0.486	39	3.62	2	7.13
PCB178	ug/kg-Wet	33	33	100	0.185	17.3	1.74	0.921	3.61	0.185	17.3	1.74	0.921	3.61
PCB179	ug/kg-Wet	33	33	100	0.328	37.3	3.61	1.83	7.47	0.328	37.3	3.61	1.83	7.47
PCB180 & 193	ug/kg-Wet	33	33	100	0.204	54	5.75	2.36	10.2	0.204	54	5.75	2.36	10.2
PCB180	ug/kg-Wet	10	10	100	0.35 J	2.3	0.991	0.65 J	1.6	0.35 J	2.3	0.991	0.65 J	1.6
PCB181	ug/kg-Wet	33	33	100	0.00601	0.43	0.0516	0.0176	0.162	0.00601	0.43	0.0516	0.0176	0.162
PCB182	ug/kg-Wet	33	21	63.6	0.00681	0.188	0.0319	0.0193	0.0466	0.0025 U	0.188	0.0219	0.0128	0.0466
PCB183 & 185	ug/kg-Wet	33	33	100	0.346	47	4.75	2.06	9.14	0.346	47	4.75	2.06	9.14
PCB183	ug/kg-Wet	10	10	100	0.51 NJ	2.6 J	1.39	1.1 J	2.4 NJ	0.51 NJ	2.6 J	1.39	1.1 J	2.4 NJ
PCB184	ug/kg-Wet	43	31	72.1	0.00131	0.0532	0.00654	0.00349	0.0193	0.00131	0.26 U	0.0181	0.0051	0.06 U
PCB186	ug/kg-Wet	33	15	45.5	0.000309 J	0.0243	0.00333	0.000699	0.00831 J	0.000309 J	0.0243	0.0021	0.000432 J	0.00595 U
PCB187	ug/kg-Wet	43	33	76.7	1.54	225	22.5	9.24	51.3	1.54	225	18.4	7.93	37.6
PCB188	ug/kg-Wet	33	33	100	0.00448	0.366	0.0316	0.0129	0.0961	0.00448	0.366	0.0316	0.0129	0.0961
PCB189	ug/kg-Wet	43	33	76.7	0.0234	2.44	0.199	0.0756	0.35	0.0234	2.44	0.173	0.075 U	0.311
PCB190	ug/kg-Wet	33	33	100	0.151	15.5	1.36	0.58	2.68	0.151	15.5	1.36	0.58	2.68
PCB191	ug/kg-Wet	33	33	100	0.00861	1.95	0.183	0.0688	0.335	0.00861	1.95	0.183	0.0688	0.335
PCB192	ug/kg-Wet	33	0	0						0.00139 U	0.0276 U	0.00207	0.00075 U	0.01025 U
PCB194	ug/kg-Wet	43	36	83.7	0.114	14.2	1.19	0.526	1.86	0.114	14.2	1.03	0.433	1.67
PCB195	ug/kg-Wet	43	38	88.4	0.116	9.92	0.759	0.325	1.26	0.116	9.92	0.691	0.32 J	1.1
PCB196	ug/kg-Wet	33	33	100	0.0636	6.85	0.648	0.272	0.941	0.0636	6.85	0.648	0.272	0.941
PCB197 & 200	ug/kg-Wet	33	33	100	0.0552	4.68	0.422	0.181	0.805	0.0552	4.68	0.422	0.181	0.805
PCB198 & 199	ug/kg-Wet	33	33	100	0.399	32.3	3.14	1.36	5.63	0.399	32.3	3.14	1.36	5.63
PCB201	ug/kg-Wet	43	33	76.7	0.0498	3.77	0.355	0.179	0.657	0.0498	3.77	0.355	0.24	0.657
PCB202	ug/kg-Wet	33	33	100	0.107	4.54	0.567	0.337	1.02	0.107	4.54	0.567	0.337	1.02
PCB203	ug/kg-Wet	43	41	95.3	0.251	17.8	1.55	0.804	2.26	0.251	17.8	1.49	0.746	2.26
PCB204	ug/kg-Wet	33	21	63.6	0.000283 J	0.00862 J	0.00172	0.000658	0.004	0.000262 U	0.00862 J	0.00121	0.000585	0.004
PCB205	ug/kg-Wet	33	33	100	0.0179	1.5	0.122	0.048	0.192	0.0179	1.5	0.122	0.048	0.192
PCB206	ug/kg-Wet	43	41	95.3	0.0989 J	2.65 J	0.473	0.325 J	1.1 J	0.0989 J	2.65 J	0.455	0.29 J	1.1 J
PCB207	ug/kg-Wet	33	33	100	0.0175	0.419 J	0.0782	0.0498	0.187 J	0.0175	0.419 J	0.0782	0.0498	0.187 J
PCB208	ug/kg-Wet	33	33	100	0.0509	0.737	0.2	0.121	0.617	0.0509	0.737	0.2	0.121	0.617
PCB209	ug/kg-Wet	43	36	83.7	0.0592	1.39	0.189	0.124	0.346	0.0592	1.39	0.172	0.118	0.263
Total PCB Congeners	ug/kg-Wet	43	43	100	44.8	4310	528	166	1890	44.8	4310	528	166	1890
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	33	33	100	0.385	115	7.54	0.972	26.6	0.385	115	7.54	0.972	26.6
Heptachlorobiphenyl homologs	ug/kg-Wet	33	33	100	4.44	591	58.9	24.3	120	4.44	591	58.9	24.3	120
Hexachlorobiphenyl homologs	ug/kg-Wet	33	33	100	12.9	1640	155	63.9	345	12.9	1640	155	63.9	345
Monochlorobiphenyl homologs	ug/kg-Wet	30	30	100	0.00547	1.68	0.187	0.0244	0.618	0.00547	1.68	0.187	0.0244	0.618
Nonachlorobiphenyl homologs	ug/kg-Wet	33	33	100	0.17	3.68	0.779	0.482	1.83	0.17	3.68	0.779	0.482	1.83
Octachlorobiphenyl homologs	ug/kg-Wet	33	33	100	1.17	95.5	9	3.79	15.5	1.17	95.5	9	3.79	15.5
Pentachlorobiphenyl homologs	ug/kg-Wet	33	33	100	12.6	1000	156	43.5	669	12.6	1000	156	43.5	669
Tetrachlorobiphenyl homologs	ug/kg-Wet	33	33	100	9.22	1840	187	26.4	1000	9.22	1840	187	26.4	1000
Trichlorobiphenyl homologs	ug/kg-Wet	33	33	100	1.91	1040	59.9	7.08	188	1.91	1040	59.9	7.08	188
Pesticides														
2,4'-DDD	ug/kg-Wet	43	42	97.7	0.611	204	16.7	3.2	23 J	0.611	204	16.4	3.29	23 J
2,4'-DDE	ug/kg-Wet	43	34	79.1	0.127 J	52.7	3.07	0.57	8.15	0.127 J	52.7	2.72	0.64	4.6 J
2,4'-DDT	ug/kg-Wet	43	32	74.4	0.0232 J	14	1.78	0.201 J	5.3 NJ	0.0191 U	14	1.38	0.086 J	5.1 J
4,4'-DDD	ug/kg-Wet	43	43	100	2.6 J	1060	66.4	15	113	2.6 J	1060	66.4	15	113
4,4'-DDE	ug/kg-Wet	43	43	100	9.52	171	28.1	19	46.3	9.52	171	28.1	19	46.3
4,4'-DDT	ug/kg-Wet	43	41	95.3	0.0456 J	37.9	3.58	0.472	10 NJ	0.0456 J	37.9	3.41	0.435	10 NJ
Aldrin	ug/kg-Wet	43	33	76.7	0.043 J	37	1.56	0.431 J	0.889	0.043 J	37	1.27	0.427 J	0.86 NJ
alpha-Endosulfan	ug/kg-Wet	43	13	30.2	0.0219 J	0.181 J	0.0549	0.0373 J	0.108 J	0.0219 J	1 U	0.0886	0.0267 J	0.26 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	43	18	41.9	0.006 J	0.0151 J	0.011	0.011 J	0.015 J	0.00569 U	0.97 U	0.0606	0.0133 J	0.23 U
beta-Endosulfan	ug/kg-Wet	43	20	46.5	0.0479 J	1.5 NJ	0.286	0.0989 J	1.1 NJ	0.0411 U	3.1 U	0.207	0.076 J	1.1 J
beta-Hexachlorocyclohexane	ug/kg-Wet	41	9	22	0.003 J	0.0493 J	0.0125	0.00732 J	0.019 J	0.003 J	1.5 U	0.0855	0.02595 U	0.225 U
cis-Chlordane	ug/kg-Wet	43	37	86	0.919	28.6	2.47	1.33	3.89	0.0749 U	28.6	2.19	1.29	3.86
cis-Nonachlor	ug/kg-Wet	43	33	76.7	0.271 J	2.98	0.62	0.39 J	1.89	0.271 J	9.3 U	1	0.54	2.45 U
delta-Hexachlorocyclohexane	ug/kg-Wet	43	4	9.3	0.000971 J	0.0161 J	0.00707	0.00401 J	0.00721 J	0.000971 J	1.5 U	0.0793	0.00905 U	0.375 U

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Dieldrin	ug/kg-Wet	43	33	76.7	0.127 J	26.7	1.23	0.374	0.99	0.075 U	26.7	1.08	0.402	0.99
Endosulfan sulfate	ug/kg-Wet	43	33	76.7	0.246	0.78 J	0.391	0.37	0.626	0.246	1 U	0.381	0.37	0.5 U
Endrin aldehyde	ug/kg-Wet	43	0	0						0.000692 U	1.7 U	0.0959	0.00955 U	0.75 U
Endrin ketone	ug/kg-Wet	43	5	11.6	0.00107 J	2 J	0.406	0.00888 J	0.0171 J	0.00107 J	3.5 U	0.175	0.0199 U	0.55 U
Endrin	ug/kg-Wet	43	17	39.5	0.00262 J	1.3 J	0.265	0.157 J	0.71 J	0.00262 J	1.3 J	0.116	0.0128 U	0.53 J
SVC gamma-Hexachlorocyclohexane	ug/kg-Wet	43	16	37.2	0.00666 J	0.021 J	0.0137	0.0127 J	0.019 J	0.00666 J	1.2 U	0.0687	0.01635 U	0.23 U
Heptachlor epoxide	ug/kg-Wet	43	40	93	0.00732 J	9.8 NJ	0.741	0.0227 J	3.1 NJ	0.00652 U	9.8 NJ	0.707	0.0227 J	3 J
Heptachlor	ug/kg-Wet	43	14	32.6	0.00353 J	0.0186 J	0.0113	0.012 J	0.0184 J	0.00331 U	1 U	0.0872	0.0111 U	0.395 U
Methoxychlor	ug/kg-Wet	43	0	0						0.0104 U	1.7 U	0.144	0.0203 U	0.65 U
Mirex	ug/kg-Wet	10	0	0						0.24 U	1 U	0.228	0.12 U	0.46 U
Oxychlordane	ug/kg-Wet	43	24	55.8	0.0145 J	0.98 J	0.118	0.033 J	0.334 J	0.00788 U	1.2 U	0.124	0.0334 U	0.334 J
Total Chlordanes	ug/kg-Wet	43	43	100	2.43 JT	71.9 T	6.69	4.32 T	10 JT	2.43 JT	71.9 T	6.69	4.32 T	10 JT
Total Endosulfan	ug/kg-Wet	43	36	83.7	0.246 T	1.5 JT	0.538	0.43 JT	1.1 JT	0.246 T	3.1 UT	0.537	0.435 JT	1.1 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	43	43	100	14.5 JT	1490 T	118	40.7 JT	284 JT	14.5 JT	1490 T	118	40.7 JT	284 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	43	43	100	4.78 T	1260 T	82.7	17.6 T	131 T	4.78 T	1260 T	82.7	17.6 T	131 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	43	43	100	9.66 JT	188 T	30.6	19 T	71 JT	9.66 JT	188 T	30.6	19 T	71 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	43	42	97.7	0.0456 JT	37.9 T	4.85	0.541 JT	15.3 JT	0.0456 JT	37.9 T	4.74	0.541 JT	15.3 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	43	43	100	13.6 JT	1260 T	97.9	36.7 T	258 JT	13.6 JT	1260 T	97.9	36.7 T	258 JT
Toxaphene	ug/kg-Wet	10	0	0						37 U	170 U	36.9	26 U	55 U
trans-Chlordane	ug/kg-Wet	43	42	97.7	0.558 J	30.5	3.03	1.3	5.7	0.0304 U	30.5	2.96	1.3	5.7
trans-Nonachlor	ug/kg-Wet	43	33	76.7	0.517	9.8	1.38	0.744	3.58	0.32 U	9.8	1.17	0.68	2.3
Phenols														
2,3,4,5-Tetrachlorophenol	ug/kg-Wet	10	0	0						55 U	550 U	52.3	27.5 U	27.5 U
2,3,4,6-Tetrachlorophenol	ug/kg-Wet	10	0	0						55 U	550 U	52.3	27.5 U	27.5 U
2,3,5,6-Tetrachlorophenol	ug/kg-Wet	10	0	0						42 U	420 U	39.9	21 U	21 U
2,4,5-Trichlorophenol	ug/kg-Wet	10	0	0						11 U	110 U	10.5	5.5 U	5.5 U
2,4,6-Trichlorophenol	ug/kg-Wet	10	0	0						8.8 U	88 U	8.36	4.4 U	4.4 U
2,4-Dichlorophenol	ug/kg-Wet	10	0	0						12 U	120 U	11.4	6 U	6 U
2,4-Dimethylphenol	ug/kg-Wet	43	0	0						13 U	130 U	8.31	6.5 U	13 U
2,4-Dinitrophenol	ug/kg-Wet	10	0	0						23 U	230 U	21.9	11.5 U	11.5 U
2-Chlorophenol	ug/kg-Wet	10	0	0						11 U	110 U	10.5	5.5 U	5.5 U
2-Methylphenol	ug/kg-Wet	43	31	72.1	53 J	350	142	130	250	53 J	530 U	117	96	250
2-Nitrophenol	ug/kg-Wet	10	0	0						15 U	150 U	14.3	7.5 U	7.5 U
4,6-Dinitro-2-methylphenol	ug/kg-Wet	10	0	0						15 U	150 U	14.3	7.5 U	7.5 U
4-Chloro-3-methylphenol	ug/kg-Wet	10	0	0						72 U	720 U	68.4	36 U	36 U
4-Methylphenol	ug/kg-Wet	43	36	83.7	26 J	290	103	74 J	200	15 U	290	88.9	66 J	180
4-Nitrophenol	ug/kg-Wet	10	0	0						7.5 U	75 U	7.13	3.75 U	3.75 U
Pentachlorophenol	ug/kg-Wet	26	0	0						31 U	310 U	20.9	15.5 U	15.5 U
Phenol	ug/kg-Wet	43	32	74.4	17 J	110	27.1	21 J	42 J	17 U	170 U	24.7	20 J	42 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	43	25	58.1	69 J	220 J	128	120 J	200 J	53 U	530 U	92.9	83 J	200 J
Butylbenzyl phthalate	ug/kg-Wet	43	0	0						14 U	140 U	8.95	7 U	14 U
Dibutyl phthalate	ug/kg-Wet	43	11	25.6	23 J	470 J	87.6	46	110	16 U	470 J	66	24 J	140 U
Diethyl phthalate	ug/kg-Wet	43	0	0						9.4 U	94 U	7.05	4.7 U	11.5 U
Dimethyl phthalate	ug/kg-Wet	43	0	0						5.1 U	51 U	3.29	2.55 U	5.5 U
Di-n-octyl phthalate	ug/kg-Wet	43	0	0						13 U	130 U	8.31	6.5 U	13 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	43	0	0						9.9 U	99 U	6.34	4.95 U	10 U
1,2-Dichlorobenzene	ug/kg-Wet	43	0	0						12 U	120 U	7.67	6 U	12 UJ
1,2-Diphenylhydrazine	ug/kg-Wet	10	0	0						40 U	400 U	38	20 U	20 U
1,3-Dichlorobenzene	ug/kg-Wet	43	0	0						11 U	110 U	7.03	5.5 U	11 UJ
1,4-Dichlorobenzene	ug/kg-Wet	43	0	0						11 U	110 U	7.03	5.5 U	11 UJ
2,4-Dinitrotoluene	ug/kg-Wet	10	0	0						8.5 U	85 U	8.08	4.25 U	4.25 U
2,6-Dinitrotoluene	ug/kg-Wet	10	0	0						7 U	70 U	6.65	3.5 U	3.5 U
2-Chloronaphthalene	ug/kg-Wet	10	0	0						5.9 U	59 U	5.61	2.95 U	2.95 U
2-Nitroaniline	ug/kg-Wet	10	0	0						26 U	260 U	24.7	13 U	13 U
3,3'-Dichlorobenzidine	ug/kg-Wet	10	0	0						780 UJ	7800 UJ	741	390 UJ	390 UJ
3-Nitroaniline	ug/kg-Wet	10	0	0						8.9 U	89 U	8.46	4.45 U	4.45 U
4-Bromophenyl phenyl ether	ug/kg-Wet	10	0	0						5.5 U	55 U	5.23	2.75 U	2.75 U
4-Chloroaniline	ug/kg-Wet	10	1	10	24 J	24 J	24	24 J	24 J	5.9 U	59 U	7.71	2.95 U	24 J
4-Chlorophenyl phenyl ether	ug/kg-Wet	10	0	0						4.5 U	45 U	4.28	2.25 U	2.25 U
4-Nitroaniline	ug/kg-Wet	10	0	0						26 U	260 U	24.7	13 U	13 U
Aniline	ug/kg-Wet	10	0	0						230 UJ	2300 UJ	219	115 UJ	115 UJ
Benzoic acid	ug/kg-Wet	10	0	0						190 UJ	190 UJ	95	95 UJ	95 UJ
Benzyl alcohol	ug/kg-Wet	43	43	100	280	4900 J	1510	1100	3200	280	4900 J	1510	1100	3200
Bis(2-chloroethoxy) methane	ug/kg-Wet	10	0	0						5 U	50 U	4.75	2.5 U	2.5 U
Bis(2-chloroethyl) ether	ug/kg-Wet	10	0	0						8.7 U	87 U	8.27	4.35 U	4.35 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	10	0	0						11 U	110 U	10.5	5.5 U	5.5 U
Carbazole	ug/kg-Wet	10	0	0						33 U	330 U	31.4	16.5 U	16.5 U
Dibenzofuran	ug/kg-Wet	43	41	95.3	0.37 J	27	4.47	1.8	16	0.071 U	27	4.26	1.6	16
Hexachlorobenzene	ug/kg-Wet	43	35	81.4	0.242 J	2.69	0.64	0.488	1.15	0.24 U	2.69	0.553	0.46 J	1.11
Hexachlorobutadiene	ug/kg-Wet	43	5	11.6	0.00117 J	11.7 J	2.35	0.0048 J	0.0259 J	0.00117 J	17 U	1.41	0.01145 UJ	8.5 U
Hexachlorocyclopentadiene	ug/kg-Wet	10	0	0						5000 U	50000 U	4750	2500 U	2500 U
Hexachloroethane	ug/kg-Wet	43	0	0						0.31 U	17 U	3.64	4.25 U	4.25 U
Isophorone	ug/kg-Wet	10	0	0						5.8 U	58 U	5.51	2.9 U	2.9 U
Nitrobenzene	ug/kg-Wet	10	0	0						10 U	100 U	9.5	5 U	5 U
N-Nitrosodimethylamine	ug/kg-Wet	10	0	0						10 U	100 U	9.5	5 U	5 U

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
N-Nitrosodiphenylamine	ug/kg-Wet	43	4	9.3	21 J	190	72.3	30 J	48	9.5 U	190	12.4	4.75 U	30 J
N-Nitrosodipropylamine	ug/kg-Wet	10	0	0						8.2 U	82 U	7.79	4.1 U	4.1 U
UPRIVER														
Lab-exposed worms/Whole body														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						4.3 U	4.3 U	2.15	2.15 U	2.15 U
Aroclor 1221	ug/kg-Wet	1	0	0						2.4 U	2.4 U	1.2	1.2 U	1.2 U
Aroclor 1232	ug/kg-Wet	1	0	0						3 U	3 U	1.5	1.5 U	1.5 U
Aroclor 1242	ug/kg-Wet	1	0	0						3.3 U	3.3 U	1.65	1.65 U	1.65 U
Aroclor 1248	ug/kg-Wet	1	0	0						2.9 U	2.9 U	1.45	1.45 U	1.45 U
Aroclor 1254	ug/kg-Wet	1	0	0						5.5 U	5.5 U	2.75	2.75 U	2.75 U
Aroclor 1260	ug/kg-Wet	1	0	0						5.3 U	5.3 U	2.65	2.65 U	2.65 U
Aroclor 1262	ug/kg-Wet	1	0	0						2.1 U	2.1 U	1.05	1.05 U	1.05 U
Aroclor 1268	ug/kg-Wet	1	0	0						1.9 U	1.9 U	0.95	0.95 U	0.95 U
Total PCB Aroclors	ug/kg-Wet	1	0	0						5.5 UT	5.5 UT	2.75	2.75 UT	2.75 UT
Butyltins														
Butyltin ion	ug/kg-Wet	1	0	0						0.9 U	0.9 U	0.45	0.45 U	0.45 U
Dibutyltin ion	ug/kg-Wet	1	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
Tetrabutyltin	ug/kg-Wet	1	0	0						0.067 U	0.067 U	0.0335	0.0335 U	0.0335 U
Tributyltin ion	ug/kg-Wet	1	0	0						0.072 U	0.072 U	0.036	0.036 U	0.036 U
Conventionals														
Lipids	percent-Wet	1	1	100	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Total solids	percent-Wet	1	1	100	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
Dioxin_Furan_Homologs														
Dioxin-like PCB congener TCDD toxicity equivalent	pg/g-Wet	1	1	100	0.057 JT	0.057 JT	0.057	0.057 JT	0.057 JT	0.057 JT	0.057 JT	0.057	0.057 JT	0.057 JT
Metals														
Antimony	mg/kg-Wet	1	1	100	0.0021 J	0.0021 J	0.0021	0.0021 J	0.0021 J	0.0021 J	0.0021 J	0.0021	0.0021 J	0.0021 J
Arsenic	mg/kg-Wet	1	1	100	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
Cadmium	mg/kg-Wet	1	1	100	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341
Chromium	mg/kg-Wet	1	1	100	0.197	0.197	0.197	0.197	0.197	0.197	0.197	0.197	0.197	0.197
Copper	mg/kg-Wet	1	1	100	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
Lead	mg/kg-Wet	1	1	100	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107	0.107
Mercury	mg/kg-Wet	1	1	100	0.00891	0.00891	0.00891	0.00891	0.00891	0.00891	0.00891	0.00891	0.00891	0.00891
Nickel	mg/kg-Wet	1	1	100	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
Silver	mg/kg-Wet	1	1	100	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
Zinc	mg/kg-Wet	1	1	100	22	22	22	22	22	22	22	22	22	22
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
Acenaphthene	ug/kg-Wet	1	1	100	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Acenaphthylene	ug/kg-Wet	1	1	100	0.24 J	0.24 J	0.24	0.24 J	0.24 J	0.24 J	0.24 J	0.24	0.24 J	0.24 J
Anthracene	ug/kg-Wet	1	1	100	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
Benzo(a)anthracene	ug/kg-Wet	1	1	100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Benzo(a)pyrene	ug/kg-Wet	1	1	100	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Benzo(b)fluoranthene	ug/kg-Wet	1	1	100	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Benzo(g,h,i)perylene	ug/kg-Wet	1	1	100	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Chrysene	ug/kg-Wet	1	1	100	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Dibenzo(a,h)anthracene	ug/kg-Wet	1	1	100	0.14 J	0.14 J	0.14	0.14 J	0.14 J	0.14 J	0.14 J	0.14	0.14 J	0.14 J
Fluoranthene	ug/kg-Wet	1	1	100	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Fluorene	ug/kg-Wet	1	1	100	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
High Molecular Weight PAH	ug/kg-Wet	1	1	100	22.3 JT	22.3 JT	22.3	22.3 JT	22.3 JT	22.3 JT	22.3 JT	22.3	22.3 JT	22.3 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	1	100	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	4.74 JT	4.74 JT	4.74	4.74 JT	4.74 JT	4.74 JT	4.74 JT	4.74	4.74 JT	4.74 JT
Naphthalene	ug/kg-Wet	1	0	0						0.72 U	0.72 U	0.36	0.36 U	0.36 U
Phenanthrene	ug/kg-Wet	1	1	100	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Pyrene	ug/kg-Wet	1	1	100	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Total PAHs	ug/kg-Wet	1	1	100	27.04 JT	27.04 JT	27	27.04 JT	27.04 JT	27.04 JT	27.04 JT	27	27.04 JT	27.04 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	0	0						0.81 U	0.81 U	0.405	0.405 U	0.405 U
PCB005	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
PCB008	ug/kg-Wet	1	0	0						0.13 U	0.13 U	0.065	0.065 U	0.065 U
PCB018	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
PCB028	ug/kg-Wet	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB031	ug/kg-Wet	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB033	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB037	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB044	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB049	ug/kg-Wet	1	1	100	0.21 J	0.21 J	0.21	0.21 J	0.21 J	0.21 J	0.21 J	0.21	0.21 J	0.21 J
PCB052	ug/kg-Wet	1	0	0						0.23 U	0.23 U	0.115	0.115 U	0.115 U
PCB056	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
PCB060	ug/kg-Wet	1	0	0						0.4 U	0.4 U	0.2	0.2 U	0.2 U
PCB066	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
PCB070	ug/kg-Wet	1	1	100	0.24 J	0.24 J	0.24	0.24 J	0.24 J	0.24 J	0.24 J	0.24	0.24 J	0.24 J
PCB074	ug/kg-Wet	1	0	0						0.16 U	0.16 U	0.08	0.08 U	0.08 U
PCB077	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
PCB081	ug/kg-Wet	1	0	0						0.17 U	0.17 U	0.085	0.085 U	0.085 U
PCB087	ug/kg-Wet	1	0	0						4.4 U	4.4 U	2.2	2.2 U	2.2 U

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB090	ug/kg-Wet	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
PCB095	ug/kg-Wet	1	1	100	0.48 J	0.48 J	0.48	0.48 J	0.48 J	0.48 J	0.48 J	0.48	0.48 J	0.48 J
PCB097	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB099	ug/kg-Wet	1	1	100	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
PCB101	ug/kg-Wet	1	1	100	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
PCB105	ug/kg-Wet	1	0	0						0.1 U	0.1 U	0.05	0.05 U	0.05 U
PCB110	ug/kg-Wet	1	1	100	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
PCB114	ug/kg-Wet	1	0	0						0.09 U	0.09 U	0.045	0.045 U	0.045 U
PCB118	ug/kg-Wet	1	1	100	0.57 J	0.57 J	0.57	0.57 J	0.57 J	0.57 J	0.57 J	0.57	0.57 J	0.57 J
PCB119	ug/kg-Wet	1	0	0						0.35 U	0.35 U	0.175	0.175 U	0.175 U
PCB123	ug/kg-Wet	1	0	0						0.3 U	0.3 U	0.15	0.15 U	0.15 U
PCB126	ug/kg-Wet	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB128	ug/kg-Wet	1	1	100	0.19 J	0.19 J	0.19	0.19 J	0.19 J	0.19 J	0.19 J	0.19	0.19 J	0.19 J
PCB132	ug/kg-Wet	1	0	0						0.5 U	0.5 U	0.25	0.25 U	0.25 U
PCB138	ug/kg-Wet	1	1	100	0.9 NJ	0.9 NJ	0.9	0.9 NJ	0.9 NJ	0.9 NJ	0.9 NJ	0.9	0.9 NJ	0.9 NJ
PCB141	ug/kg-Wet	1	0	0						0.09 U	0.09 U	0.045	0.045 U	0.045 U
PCB149	ug/kg-Wet	1	1	100	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
PCB151	ug/kg-Wet	1	0	0						0.23 U	0.23 U	0.115	0.115 U	0.115 U
PCB153	ug/kg-Wet	1	1	100	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PCB156	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
PCB157	ug/kg-Wet	1	0	0						0.12 U	0.12 U	0.06	0.06 U	0.06 U
PCB158	ug/kg-Wet	1	0	0						0.23 U	0.23 U	0.115	0.115 U	0.115 U
PCB166	ug/kg-Wet	1	0	0						0.61 U	0.61 U	0.305	0.305 U	0.305 U
PCB167	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
PCB168	ug/kg-Wet	1	0	0						0.26 U	0.26 U	0.13	0.13 U	0.13 U
PCB169	ug/kg-Wet	1	0	0						0.36 U	0.36 U	0.18	0.18 U	0.18 U
PCB170	ug/kg-Wet	1	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
PCB174	ug/kg-Wet	1	0	0						0.15 U	0.15 U	0.075	0.075 U	0.075 U
PCB177	ug/kg-Wet	1	0	0						0.18 U	0.18 U	0.09	0.09 U	0.09 U
PCB180	ug/kg-Wet	1	1	100	0.19 J	0.19 J	0.19	0.19 J	0.19 J	0.19 J	0.19 J	0.19	0.19 J	0.19 J
PCB183	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB184	ug/kg-Wet	1	0	0						0.083 U	0.083 U	0.0415	0.0415 U	0.0415 U
PCB187	ug/kg-Wet	1	1	100	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PCB189	ug/kg-Wet	1	0	0						0.1 U	0.1 U	0.05	0.05 U	0.05 U
PCB194	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
PCB195	ug/kg-Wet	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
PCB201	ug/kg-Wet	1	0	0						0.077 U	0.077 U	0.0385	0.0385 U	0.0385 U
PCB203	ug/kg-Wet	1	0	0						0.29 U	0.29 U	0.145	0.145 U	0.145 U
PCB206	ug/kg-Wet	1	0	0						0.14 U	0.14 U	0.07	0.07 U	0.07 U
PCB209	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
Total PCB Congeners	ug/kg-Wet	1	1	100	6.86 JT	6.86 JT	6.86	6.86 JT	6.86 JT	6.86 JT	6.86 JT	6.86	6.86 JT	6.86 JT
Pesticides														
2,4'-DDD	ug/kg-Wet	1	0	0						0.32 U	0.32 U	0.16	0.16 U	0.16 U
2,4'-DDE	ug/kg-Wet	1	1	100	0.56 J	0.56 J	0.56	0.56 J	0.56 J	0.56 J	0.56 J	0.56	0.56 J	0.56 J
2,4'-DDT	ug/kg-Wet	1	1	100	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
4,4'-DDD	ug/kg-Wet	1	1	100	0.96 J	0.96 J	0.96	0.96 J	0.96 J	0.96 J	0.96 J	0.96	0.96 J	0.96 J
4,4'-DDE	ug/kg-Wet	1	1	100	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
4,4'-DDT	ug/kg-Wet	1	0	0						0.2 U	0.2 U	0.1	0.1 U	0.1 U
Aldrin	ug/kg-Wet	1	1	100	0.36 J	0.36 J	0.36	0.36 J	0.36 J	0.36 J	0.36 J	0.36	0.36 J	0.36 J
alpha-Endosulfan	ug/kg-Wet	1	1	100	0.36 J	0.36 J	0.36	0.36 J	0.36 J	0.36 J	0.36 J	0.36	0.36 J	0.36 J
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.32 U	0.32 U	0.16	0.16 U	0.16 U
beta-Endosulfan	ug/kg-Wet	1	0	0						0.24 U	0.24 U	0.12	0.12 U	0.12 U
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
cis-Chlordane	ug/kg-Wet	1	0	0						0.11 U	0.11 U	0.055	0.055 U	0.055 U
cis-Nonachlor	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.21 U	0.21 U	0.105	0.105 U	0.105 U
Dieldrin	ug/kg-Wet	1	1	100	0.22 J	0.22 J	0.22	0.22 J	0.22 J	0.22 J	0.22 J	0.22	0.22 J	0.22 J
Endosulfan sulfate	ug/kg-Wet	1	0	0						0.19 U	0.19 U	0.095	0.095 U	0.095 U
Endrin aldehyde	ug/kg-Wet	1	0	0						0.25 U	0.25 U	0.125	0.125 U	0.125 U
Endrin ketone	ug/kg-Wet	1	0	0						0.4 U	0.4 U	0.2	0.2 U	0.2 U
Endrin	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.74 U	0.74 U	0.37	0.37 U	0.37 U
Heptachlor epoxide	ug/kg-Wet	1	0	0						0.34 U	0.34 U	0.17	0.17 U	0.17 U
Heptachlor	ug/kg-Wet	1	0	0						0.58 U	0.58 U	0.29	0.29 U	0.29 U
Methoxychlor	ug/kg-Wet	1	0	0						0.58 U	0.58 U	0.29	0.29 U	0.29 U
Mirex	ug/kg-Wet	1	0	0						0.24 U	0.24 U	0.12	0.12 U	0.12 U
Oxychlordane	ug/kg-Wet	1	0	0						0.39 U	0.39 U	0.195	0.195 U	0.195 U
Total Chlordanes	ug/kg-Wet	1	0	0						1 UT	1 UT	0.5	0.5 UT	0.5 UT
Total Endosulfan	ug/kg-Wet	1	1	100	0.36 JT	0.36 JT	0.36	0.36 JT	0.36 JT	0.36 JT	0.36 JT	0.36	0.36 JT	0.36 JT
Total of 2,4' and 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	11.3 JT	11.3 JT	11.3	11.3 JT	11.3 JT	11.3 JT	11.3 JT	11.3	11.3 JT	11.3 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	0.96 JT	0.96 JT	0.96	0.96 JT	0.96 JT	0.96 JT	0.96 JT	0.96	0.96 JT	0.96 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	6.66 JT	6.66 JT	6.66	6.66 JT	6.66 JT	6.66 JT	6.66 JT	6.66	6.66 JT	6.66 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	3.7 T	3.7 T	3.7	3.7 T	3.7 T	3.7 T	3.7 T	3.7	3.7 T	3.7 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	7.06 T	7.06 T	7.06	7.06 T	7.06 T	7.06 T	7.06 T	7.06	7.06 T	7.06 T
Toxaphene	ug/kg-Wet	1	0	0						25 U	25 U	12.5	12.5 U	12.5 U
trans-Chlordane	ug/kg-Wet	1	0	0						1 U	1 U	0.5	0.5 U	0.5 U
trans-Nonachlor	ug/kg-Wet	1	0	0						0.29 U	0.29 U	0.145	0.145 U	0.145 U

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Table C1-29. Summary Statistics - Oligochaete worm (*Lumbriculus variegatus*).

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
Phenols														
2-Methylphenol	ug/kg-Wet	1	1	100	75 J	75 J	75	75 J	75 J	75 J	75 J	75	75 J	75 J
4-Methylphenol	ug/kg-Wet	1	1	100	89 J	89 J	89	89 J	89 J	89 J	89 J	89	89 J	89 J
Pentachlorophenol	ug/kg-Wet	1	1	100	78 J	78 J	78	78 J	78 J	78 J	78 J	78	78 J	78 J
Phthalates														
Bis(2-ethylhexyl) phthalate	ug/kg-Wet	1	1	100	66 J	66 J	66	66 J	66 J	66 J	66 J	66	66 J	66 J
Butylbenzyl phthalate	ug/kg-Wet	1	0	0						14 U	14 U	7	7 U	7 U
Dibutyl phthalate	ug/kg-Wet	1	0	0						33 U	33 U	16.5	16.5 U	16.5 U
Diethyl phthalate	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Dimethyl phthalate	ug/kg-Wet	1	0	0						5.1 U	5.1 U	2.55	2.55 U	2.55 U
Di-n-octyl phthalate	ug/kg-Wet	1	0	0						30 U	30 U	15	15 U	15 U
SVOCs														
1,2,4-Trichlorobenzene	ug/kg-Wet	1	0	0						9.9 U	9.9 U	4.95	4.95 U	4.95 U
1,2-Dichlorobenzene	ug/kg-Wet	1	0	0						12 U	12 U	6	6 U	6 U
1,3-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
1,4-Dichlorobenzene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
2,4-Dinitrotoluene	ug/kg-Wet	1	0	0						8.5 U	8.5 U	4.25	4.25 U	4.25 U
2,6-Dinitrotoluene	ug/kg-Wet	1	0	0						7 U	7 U	3.5	3.5 U	3.5 U
2-Chloronaphthalene	ug/kg-Wet	1	0	0						5.9 U	5.9 U	2.95	2.95 U	2.95 U
2-Nitroaniline	ug/kg-Wet	1	0	0						26 U	26 U	13	13 U	13 U
3,3'-Dichlorobenzidine	ug/kg-Wet	1	0	0						780 UJ	780 UJ	390	390 UJ	390 UJ
3-Nitroaniline	ug/kg-Wet	1	0	0						8.9 U	8.9 U	4.45	4.45 U	4.45 U
4-Bromophenyl phenyl ether	ug/kg-Wet	1	0	0						5.5 U	5.5 U	2.75	2.75 U	2.75 U
4-Chloroaniline	ug/kg-Wet	1	1	100	18 J	18 J	18	18 J	18 J	18 J	18 J	18	18 J	18 J
4-Chlorophenyl phenyl ether	ug/kg-Wet	1	0	0						4.5 U	4.5 U	2.25	2.25 U	2.25 U
4-Nitroaniline	ug/kg-Wet	1	0	0						26 U	26 U	13	13 U	13 U
Aniline	ug/kg-Wet	1	0	0						230 UJ	230 UJ	115	115 UJ	115 UJ
Azobenzene	ug/kg-Wet	1	0	0						40 U	40 U	20	20 U	20 U
Benzyl alcohol	ug/kg-Wet	1	1	100	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
Bis(2-chloroethoxy) methane	ug/kg-Wet	1	0	0						5 U	5 U	2.5	2.5 U	2.5 U
Bis(2-chloroethyl) ether	ug/kg-Wet	1	0	0						8.7 U	8.7 U	4.35	4.35 U	4.35 U
Bis(2-chloroisopropyl) ether	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Carbazole	ug/kg-Wet	1	0	0						33 U	33 U	16.5	16.5 U	16.5 U
Dibenzofuran	ug/kg-Wet	1	1	100	0.34 J	0.34 J	0.34	0.34 J	0.34 J	0.34 J	0.34 J	0.34	0.34 J	0.34 J
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.78 J	0.78 J	0.78	0.78 J	0.78 J	0.78 J	0.78 J	0.78	0.78 J	0.78 J
Hexachlorobutadiene	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
Hexachlorocyclopentadiene	ug/kg-Wet	1	0	0						5000 U	5000 U	2500	2500 U	2500 U
Hexachloroethane	ug/kg-Wet	1	0	0						0.31 U	0.31 U	0.155	0.155 U	0.155 U
Isophorone	ug/kg-Wet	1	0	0						5.8 U	5.8 U	2.9	2.9 U	2.9 U
Nitrobenzene	ug/kg-Wet	1	0	0						10 U	10 U	5	5 U	5 U
N-Nitrosodimethylamine	ug/kg-Wet	1	0	0						10 U	10 U	5	5 U	5 U
N-Nitrosodiphenylamine	ug/kg-Wet	1	0	0						9.5 U	9.5 U	4.75	4.75 U	4.75 U
N-Nitrosodipropylamine	ug/kg-Wet	1	0	0						8.2 U	8.2 U	4.1	4.1 U	4.1 U

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compoun

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

Analyte	Units	#	# Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
STUDY AREA														
Aroclors														
Aroclor 1016	ug/kg-Wet	5	0	0						0.00171 U	0.00377 U	0.00146	0.001495 U	0.001825 U
Aroclor 1221	ug/kg-Wet	5	0	0						0.000597 U	0.00176 U	0.000615	0.000675 U	0.000775 U
Aroclor 1232	ug/kg-Wet	5	0	0						0.00151 U	0.00327 U	0.00113	0.001085 U	0.00138 U
Aroclor 1242	ug/kg-Wet	5	4	80	4.04 NJ	11.4 NJ	8.58	8.16 NJ	10.7 NJ	0.00406 U	11.4 NJ	6.86	8.16 NJ	10.7 NJ
Aroclor 1248	ug/kg-Wet	5	1	20	42.2 NJ	42.2 NJ	42.2	42.2 NJ	42.2 NJ	0.00502 U	42.2 NJ	8.44	0.002885 U	0.00402 U
Aroclor 1254	ug/kg-Wet	5	4	80	15.7 NJ	27.6 NJ	22.7	22.5 NJ	24.9 NJ	0.0199 U	27.6 NJ	18.1	22.5 NJ	24.9 NJ
Aroclor 1260	ug/kg-Wet	5	5	100	12.9 NJ	124 NJ	46.8	23.3 NJ	55.1 NJ	12.9 NJ	124 NJ	46.8	23.3 NJ	55.1 NJ
Total PCB Aroclors	ug/kg-Wet	5	5	100	43 JT	163 JT	80.3	55.1 JT	88.2 JT	43 JT	163 JT	80.3	55.1 JT	88.2 JT
Dioxins_Furans														
Dioxin-like PCB congener TCDD to	pg/g-Wet	5	5	100	0.391 T	2.3 T	1.53	1.77 T	2.29 T	0.391 T	2.3 T	1.53	1.77 T	2.29 T
PAHs														
2-Methylnaphthalene	ug/kg-Wet	5	1	20	41.5	41.5	41.5	41.5	41.5	12 U	41.5	13.9	7.25 U	7.8 U
Acenaphthene	ug/kg-Wet	5	5	100	4.44 J	131	32.3	7.35 J	12.3	4.44 J	131	32.3	7.35 J	12.3
Acenaphthylene	ug/kg-Wet	5	3	60	0.738 J	6.99 J	3.24	2 J	2 J	0.738 J	6.99 J	2.27	1.02 U	2 J
Anthracene	ug/kg-Wet	5	5	100	1.3 J	225	49.3	6.47 J	7.52	1.3 J	225	49.3	6.47 J	7.52
Benzo(a)anthracene	ug/kg-Wet	5	5	100	1.89 J	77.8	21.2	7.67 J	11.8	1.89 J	77.8	21.2	7.67 J	11.8
Benzo(a)pyrene	ug/kg-Wet	5	2	40	2.26 J	20.7	11.5	2.26 J	2.26 J	1.63 U	20.7	5.67	2.26 J	2.91 U
Benzo(b+j)fluoranthene	ug/kg-Wet	5	5	100	2.85 J	35.3	15.3	11.2	18	2.85 J	35.3	15.3	11.2	18
Benzo(g,h,i)perylene	ug/kg-Wet	5	2	40	6.04 J	7.3 J	6.67	6.04 J	6.04 J	2.44 U	7.3 J	3.88	2.825 U	6.04 J
Benzo(k)fluoranthene	ug/kg-Wet	5	5	100	1.95 J	23.8	9.02	7.04 J	7.12	1.95 J	23.8	9.02	7.04 J	7.12
Chrysene	ug/kg-Wet	5	5	100	6.97 J	97.7	39.7	29.4	42.4	6.97 J	97.7	39.7	29.4	42.4
Dibenzo(a,h)anthracene	ug/kg-Wet	5	2	40	0.905 J	2.68 J	1.79	0.905 J	0.905 J	0.486 U	2.68 J	0.916	0.465 U	0.905 J
Fluoranthene	ug/kg-Wet	5	5	100	20.5 J	475 J	146	75.1 J	109 J	20.5 J	475 J	146	75.1 J	109 J
Fluorene	ug/kg-Wet	5	5	100	5.31 J	143	35.6	8.15 J	16.1	5.31 J	143	35.6	8.15 J	16.1
High Molecular Weight PAH	ug/kg-Wet	5	5	100	49.9 JT	1050 JT	338	200 JT	261 JT	49.9 JT	1050 JT	338	200 JT	261 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	5	3	60	4.64 J	8.51 J	6.05	5 J	5 J	1.86 U	8.51 J	4.21	4.64 J	5 J
Low Molecular Weight PAH	ug/kg-Wet	5	5	100	45.7 JT	1410 JT	347	72.3 JT	141 JT	45.7 JT	1410 JT	347	72.3 JT	141 JT
Naphthalene	ug/kg-Wet	5	0	0						27.3 U	38.8 UJ	17.1	18.8 U	19 U
Phenanthrene	ug/kg-Wet	5	5	100	33.9	862	220	53.8	103	33.9	862	220	53.8	103
Pyrene	ug/kg-Wet	5	5	100	15.7 J	301 J	95	60.1 J	64.3 J	15.7 J	301 J	95	60.1 J	64.3 J
Total PAHs	ug/kg-Wet	5	5	100	95.5 JT	2460 JT	685	272 JT	402 JT	95.5 JT	2460 JT	685	272 JT	402 JT
PCB_Congeners														
PCB001	ug/kg-Wet	5	5	100	0.00438 J	0.0487	0.0211	0.0192	0.0279	0.00438 J	0.0487	0.0211	0.0192	0.0279
PCB002	ug/kg-Wet	5	2	40	0.00335	0.00469	0.00402	0.00335	0.00335	0.00335	0.00469	0.00273	0.00202 U	0.00335
PCB003	ug/kg-Wet	5	2	40	0.0054	0.0248	0.0151	0.0054	0.0054	0.00521 U	0.0248	0.00891	0.0054	0.0078 U
PCB004	ug/kg-Wet	5	5	100	0.0237	0.371	0.136	0.0846	0.124	0.0237	0.371	0.136	0.0846	0.124
PCB005	ug/kg-Wet	5	1	20	0.00302	0.00302	0.00302	0.00302	0.00302	0.00276 U	0.00583 U	0.00231	0.002495 U	0.002915 U
PCB006	ug/kg-Wet	5	5	100	0.00954	0.146	0.0512	0.0292	0.0593	0.00954	0.146	0.0512	0.0292	0.0593
PCB007	ug/kg-Wet	5	4	80	0.00412 J	0.0176	0.0116	0.00793	0.0167	0.00412 J	0.0176	0.00968	0.00793	0.0167
PCB008	ug/kg-Wet	5	5	100	0.0422	0.491	0.205	0.162	0.277	0.0422	0.491	0.205	0.162	0.277
PCB009	ug/kg-Wet	5	3	60	0.0104	0.0295	0.0201	0.0205	0.0205	0.00277 U	0.0295	0.0127	0.0104	0.0205
PCB010	ug/kg-Wet	5	4	80	0.00357	0.0104	0.00618	0.00397	0.00677	0.00202 U	0.0104	0.00514	0.00397	0.00677
PCB011	ug/kg-Wet	5	5	100	0.109	0.729	0.361	0.332	0.455	0.109	0.729	0.361	0.332	0.455
PCB012 & 013	ug/kg-Wet	5	4	80	0.00578 J	0.0315	0.0188	0.0139	0.0241	0.00578 J	0.0315	0.016	0.0139	0.0241
PCB014	ug/kg-Wet	5	0	0						0.00311 U	0.00602 U	0.00222	0.00238 U	0.002465 U
PCB015	ug/kg-Wet	5	5	100	0.0672	0.395	0.209	0.203	0.278	0.0672	0.395	0.209	0.203	0.278
PCB016	ug/kg-Wet	5	5	100	0.0564	0.356	0.181	0.192	0.226	0.0564	0.356	0.181	0.192	0.226
PCB017	ug/kg-Wet	5	5	100	0.089	0.534	0.302	0.28	0.453	0.089	0.534	0.302	0.28	0.453
PCB018 & 030	ug/kg-Wet	5	5	100	0.155	0.789	0.452	0.452	0.647	0.155	0.789	0.452	0.452	0.647
PCB019	ug/kg-Wet	5	5	100	0.0367	0.136	0.068	0.0628	0.0673	0.0367	0.136	0.068	0.0628	0.0673
PCB020 & 028	ug/kg-Wet	5	5	100	0.675	1.8	1.33	1.4	1.59	0.675	1.8	1.33	1.4	1.59
PCB021 & 033	ug/kg-Wet	5	5	100	0.113	0.453	0.275	0.285	0.353	0.113	0.453	0.275	0.285	0.353
PCB022	ug/kg-Wet	5	5	100	0.155	0.413	0.279	0.28	0.322	0.155	0.413	0.279	0.28	0.322
PCB023	ug/kg-Wet	5	0	0						0.00067 U	0.00632 U	0.00147	0.000855 U	0.0025 U
PCB024	ug/kg-Wet	5	5	100	0.00183 J	0.00837	0.00564	0.00602	0.00837	0.00183 J	0.00837	0.00564	0.00602	0.00837
PCB025	ug/kg-Wet	5	5	100	0.0353	0.114	0.0695	0.0597	0.0866	0.0353	0.114	0.0695	0.0597	0.0866
PCB026 & 029	ug/kg-Wet	5	5	100	0.0868	0.231	0.143	0.106	0.2	0.0868	0.231	0.143	0.106	0.2
PCB027	ug/kg-Wet	5	5	100	0.0183	0.0638	0.0402	0.0467	0.0505	0.0183	0.0638	0.0402	0.0467	0.0505
PCB031	ug/kg-Wet	5	5	100	0.461	1.07	0.818	0.941	1.04	0.461	1.07	0.818	0.941	1.04
PCB032	ug/kg-Wet	5	5	100	0.0949	0.294	0.234	0.256	0.289	0.0949	0.294	0.234	0.256	0.289
PCB034	ug/kg-Wet	5	2	40	0.00298	0.00317	0.00308	0.00298	0.00298	0.00145 U	0.00373 U	0.00193	0.001865 U	0.00298
PCB035	ug/kg-Wet	5	4	80	0.00476	0.0145	0.0105	0.00936	0.0132	0.00476	0.0145	0.00904	0.00936	0.0132
PCB036	ug/kg-Wet	5	1	20	0.0053	0.0053	0.0053	0.0053	0.0053	0.00101 U	0.0053	0.00179	0.000865 U	0.00161 U
PCB037	ug/kg-Wet	5	5	100	0.121	0.377	0.286	0.336	0.37	0.121	0.377	0.286	0.336	0.37
PCB038	ug/kg-Wet	5	0	0						0.00096 U	0.00371 U	0.000961	0.000735 U	0.00121 U
PCB039	ug/kg-Wet	5	3	60	0.00353 J	0.00758	0.00542	0.00516	0.00516	0.00353 J	0.0141 U	0.0051	0.00516	0.00705 U
PCB040 & 041 & 071	ug/kg-Wet	5	5	100	0.48	1.15	0.707	0.55	0.823	0.48	1.15	0.707	0.55	0.823
PCB042	ug/kg-Wet	5	5	100	0.196	0.783	0.38	0.269	0.424	0.196	0.783	0.38	0.269	0.424

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB043	ug/kg-Wet	5	5	100	0.0197	0.0639	0.0352	0.0243	0.0459	0.0197	0.0639	0.0352	0.0243	0.0459
PCB044 & 047 & 065	ug/kg-Wet	5	5	100	1.09	3.1	2.02	1.73	2.81	1.09	3.1	2.02	1.73	2.81
PCB045 & 051	ug/kg-Wet	5	5	100	0.0975	0.479	0.265	0.221	0.422	0.0975	0.479	0.265	0.221	0.422
PCB046	ug/kg-Wet	5	4	80	0.0175	0.0707	0.0483	0.0465	0.0585	0.0175	0.0707	0.0416	0.0465	0.0585
PCB048	ug/kg-Wet	5	5	100	0.129	0.536	0.246	0.154	0.266	0.129	0.536	0.246	0.154	0.266
PCB049 & 069	ug/kg-Wet	5	5	100	0.884	1.94	1.33	1.05	1.77	0.884	1.94	1.33	1.05	1.77
PCB050 & 053	ug/kg-Wet	5	5	100	0.0681	0.338	0.192	0.18	0.273	0.0681	0.338	0.192	0.18	0.273
PCB052	ug/kg-Wet	5	5	100	1.19	3.01	1.81	1.58	2	1.19	3.01	1.81	1.58	2
PCB054	ug/kg-Wet	5	5	100	0.00456	0.0389	0.0125	0.00532	0.00859	0.00456	0.0389	0.0125	0.00532	0.00859
PCB055	ug/kg-Wet	5	4	80	0.0134	0.0306	0.0217	0.0187	0.0242	0.0134	0.0306	0.0189	0.0187	0.0242
PCB056	ug/kg-Wet	5	5	100	0.237	0.623	0.432	0.358	0.608	0.237	0.623	0.432	0.358	0.608
PCB057	ug/kg-Wet	5	5	100	0.00378	0.00746	0.00522	0.00445	0.00635	0.00378	0.00746	0.00522	0.00445	0.00635
PCB058	ug/kg-Wet	5	4	80	0.00217 J	0.0042	0.00297	0.00272 J	0.0028 J	0.00217 J	0.0042	0.0027	0.00272 J	0.0028 J
PCB059 & 062 & 075	ug/kg-Wet	5	5	100	0.0936	0.223	0.144	0.13	0.168	0.0936	0.223	0.144	0.13	0.168
PCB060	ug/kg-Wet	5	5	100	0.191	0.568	0.362	0.338	0.455	0.191	0.568	0.362	0.338	0.455
PCB061 & 070 & 074 & 076	ug/kg-Wet	5	5	100	1.54	2.8	2.16	2.35	2.4	1.54	2.8	2.16	2.35	2.4
PCB063	ug/kg-Wet	5	5	100	0.0417	0.0923	0.0665	0.0729	0.0794	0.0417	0.0923	0.0665	0.0729	0.0794
PCB064	ug/kg-Wet	5	5	100	0.389	1.1	0.704	0.636	0.804	0.389	1.1	0.704	0.636	0.804
PCB066	ug/kg-Wet	5	5	100	0.825	2.06	1.44	1.28	1.88	0.825	2.06	1.44	1.28	1.88
PCB067	ug/kg-Wet	5	5	100	0.021	0.0444	0.0351	0.0358	0.0419	0.021	0.0444	0.0351	0.0358	0.0419
PCB068	ug/kg-Wet	5	5	100	0.00765	0.0253	0.0136	0.00862	0.018	0.00765	0.0253	0.0136	0.00862	0.018
PCB072	ug/kg-Wet	5	5	100	0.0108	0.0287	0.018	0.0172	0.0215	0.0108	0.0287	0.018	0.0172	0.0215
PCB073	ug/kg-Wet	5	3	60	0.00479	0.0201	0.01	0.00514	0.00514	0.00479	0.0201	0.00815	0.00525 U	0.00545 U
PCB077	ug/kg-Wet	5	5	100	0.0756	0.211	0.126	0.115	0.143	0.0756	0.211	0.126	0.115	0.143
PCB078	ug/kg-Wet	5	0	0						0.00506 U	0.00978 U	0.00362	0.003875 U	0.004005 U
PCB079	ug/kg-Wet	5	5	100	0.0134	0.0207	0.0176	0.0176	0.0203	0.0134	0.0207	0.0176	0.0176	0.0203
PCB080	ug/kg-Wet	5	0	0						0.00878 U	0.017 U	0.00627	0.0067 U	0.00695 U
PCB081	ug/kg-Wet	5	1	20	0.0103	0.0103	0.0103	0.0103	0.0103	0.00321 U	0.0103	0.00403	0.002505 U	0.00331 U
PCB082	ug/kg-Wet	5	5	100	0.117	0.29	0.209	0.215	0.24	0.117	0.29	0.209	0.215	0.24
PCB083 & 099	ug/kg-Wet	5	5	100	1.05	2.17	1.66	1.77	1.83	1.05	2.17	1.66	1.77	1.83
PCB084	ug/kg-Wet	5	5	100	0.218	0.39	0.299	0.319	0.342	0.218	0.39	0.299	0.319	0.342
PCB085 & 116 & 117	ug/kg-Wet	5	5	100	0.303	0.667	0.496	0.514	0.545	0.303	0.667	0.496	0.514	0.545
PCB086 & 087 & 097 & 108 & 119	ug/kg-Wet	5	5	100	0.917	1.7	1.31	1.29	1.35	0.917	1.7	1.31	1.29	1.35
PCB088 & 091	ug/kg-Wet	5	5	100	0.21	0.6	0.345	0.253	0.435	0.21	0.6	0.345	0.253	0.435
PCB089	ug/kg-Wet	5	3	60	0.0111	0.0388	0.0222	0.0166	0.0166	0.00793 U	0.0388	0.0161	0.0111	0.0166
PCB090 & 101 & 113	ug/kg-Wet	5	5	100	2.24	4.41	2.97	2.81	2.93	2.24	4.41	2.97	2.81	2.93
PCB092	ug/kg-Wet	5	5	100	0.386	0.752	0.471	0.393	0.429	0.386	0.752	0.471	0.393	0.429
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	5	5	100	1.12	3.01	1.66	1.26	1.74	1.12	3.01	1.66	1.26	1.74
PCB094	ug/kg-Wet	5	3	60	0.0122	0.0184	0.0157	0.0164	0.0164	0.00809 U	0.0184	0.011	0.0122	0.0164
PCB096	ug/kg-Wet	5	5	100	0.0057	0.0222	0.0115	0.00996	0.0111	0.0057	0.0222	0.0115	0.00996	0.0111
PCB103	ug/kg-Wet	5	5	100	0.0165	0.101	0.0373	0.0229	0.0238	0.0165	0.101	0.0373	0.0229	0.0238
PCB104	ug/kg-Wet	5	2	40	0.00109 J	0.00142 J	0.00126	0.00109 J	0.00109 J	0.000586 U	0.00497 U	0.00118	0.00109 J	0.00142 J
PCB105	ug/kg-Wet	5	5	100	0.55	1.23	0.889	0.762	1.16	0.55	1.23	0.889	0.762	1.16
PCB106	ug/kg-Wet	5	0	0						0.00303 U	0.00584 U	0.00216	0.002315 U	0.00239 U
PCB107 & 124	ug/kg-Wet	5	5	100	0.0641	0.128	0.0983	0.102	0.109	0.0641	0.128	0.0983	0.102	0.109
PCB109	ug/kg-Wet	5	5	100	0.113	0.286	0.178	0.172	0.187	0.113	0.286	0.178	0.172	0.187
PCB110 & 115	ug/kg-Wet	5	5	100	1.92	2.62	2.19	2.14	2.19	1.92	2.62	2.19	2.14	2.19
PCB111	ug/kg-Wet	5	3	60	0.00154 J	0.0077	0.00373	0.00196 J	0.00196 J	0.00154 J	0.0077	0.00311	0.00196 J	0.00339 U
PCB112	ug/kg-Wet	5	0	0						0.00265 U	0.00512 U	0.00189	0.002025 U	0.002095 U
PCB114	ug/kg-Wet	5	5	100	0.0333	0.0803	0.057	0.0506	0.0767	0.0333	0.0803	0.057	0.0506	0.0767
PCB118	ug/kg-Wet	5	5	100	1.63	3.61	2.34	2.22	2.52	1.63	3.61	2.34	2.22	2.52
PCB120	ug/kg-Wet	5	5	100	0.00766	0.0321	0.0163	0.0103	0.0219	0.00766	0.0321	0.0163	0.0103	0.0219
PCB121	ug/kg-Wet	5	3	60	0.00235 J	0.00794	0.0052	0.0053	0.0053	0.00174 U	0.00794	0.00347	0.00235 J	0.0053
PCB122	ug/kg-Wet	5	5	100	0.0136	0.0359	0.0258	0.0259	0.0305	0.0136	0.0359	0.0258	0.0259	0.0305
PCB123	ug/kg-Wet	5	5	100	0.0375	0.0647	0.0496	0.0439	0.0604	0.0375	0.0647	0.0496	0.0439	0.0604
PCB126	ug/kg-Wet	5	4	80	0.005	0.017	0.0119	0.0116	0.0138	0.005	0.017	0.01	0.0116	0.0138
PCB127	ug/kg-Wet	5	3	60	0.00333 J	0.00553	0.00438	0.00429	0.00429	0.00166 U	0.00553	0.00311	0.00333 J	0.00429
PCB128 & 166	ug/kg-Wet	5	5	100	0.337	1.01	0.571	0.391	0.767	0.337	1.01	0.571	0.391	0.767
PCB129 & 138 & 160 & 163	ug/kg-Wet	5	5	100	2.89	14.6	6.56	4.01	7.86	2.89	14.6	6.56	4.01	7.86
PCB130	ug/kg-Wet	5	5	100	0.143	0.514	0.279	0.165	0.411	0.143	0.514	0.279	0.165	0.411
PCB131	ug/kg-Wet	5	5	100	0.0157	0.0615	0.0288	0.0212	0.0249	0.0157	0.0615	0.0288	0.0212	0.0249
PCB132	ug/kg-Wet	5	5	100	0.54	2.71	1.08	0.726	0.811	0.54	2.71	1.08	0.726	0.811
PCB133	ug/kg-Wet	5	5	100	0.0496	0.262	0.13	0.074	0.193	0.0496	0.262	0.13	0.074	0.193
PCB134 & 143	ug/kg-Wet	5	5	100	0.0886	0.381	0.164	0.117	0.129	0.0886	0.381	0.164	0.117	0.129
PCB135 & 151 & 154	ug/kg-Wet	5	5	100	0.85	5	1.85	1.19	1.29	0.85	5	1.85	1.19	1.29
PCB136	ug/kg-Wet	5	5	100	0.141	0.96	0.357	0.224	0.278	0.141	0.96	0.357	0.224	0.278
PCB137	ug/kg-Wet	5	5	100	0.0904	0.186	0.132	0.108	0.171	0.0904	0.186	0.132	0.108	0.171
PCB139 & 140	ug/kg-Wet	5	4	80	0.0374	0.0807	0.0533	0.0431	0.0518	0.0374	0.0807	0.0467	0.0431	0.0518
PCB141	ug/kg-Wet	5	5	100	0.466	3.7	1.36	0.781	1.23	0.466	3.7	1.36	0.781	1.23
PCB142	ug/kg-Wet	5	0	0						0.00219 U	0.00479 U	0.00161	0.00136 U	0.001965 U

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB144	ug/kg-Wet	5	5	100	0.0908	0.702	0.242	0.149	0.159	0.0908	0.702	0.242	0.149	0.159
PCB145	ug/kg-Wet	5	3	60	0.00028 J	0.000985 J	0.000627	0.000616 J	0.000616 J	0.00028 J	0.005 U	0.000934	0.000616 J	0.000985 J
PCB146	ug/kg-Wet	5	5	100	0.563	2.97	1.32	0.736	1.68	0.563	2.97	1.32	0.736	1.68
PCB147 & 149	ug/kg-Wet	5	5	100	1.93	12.4	4.57	3.12	3.2	1.93	12.4	4.57	3.12	3.2
PCB148	ug/kg-Wet	5	4	80	0.00693	0.0297	0.0144	0.00743	0.0134	0.00665 U	0.0297	0.0122	0.00743	0.0134
PCB150	ug/kg-Wet	5	4	80	0.0031 J	0.0216	0.00797	0.00319 J	0.00399 J	0.0031 J	0.0216	0.00671	0.00319 J	0.00399 J
PCB152	ug/kg-Wet	5	3	60	0.00121 J	0.00565	0.00315	0.00258 J	0.00258 J	0.00121 J	0.00565	0.00225	0.00121 J	0.00258 J
PCB153 & 168	ug/kg-Wet	5	5	100	2.76	17.7	7.44	4.47	8.47	2.76	17.7	7.44	4.47	8.47
PCB155	ug/kg-Wet	5	1	20	0.00247 J	0.00247 J	0.00247	0.00247 J	0.00247 J	0.000769 U	0.00266 U	0.00104	0.000535 U	0.00133 U
PCB156 & 157	ug/kg-Wet	5	5	100	0.199	0.715	0.401	0.306	0.504	0.199	0.715	0.401	0.306	0.504
PCB158	ug/kg-Wet	5	5	100	0.233	1.08	0.528	0.354	0.661	0.233	1.08	0.528	0.354	0.661
PCB159	ug/kg-Wet	5	5	100	0.0184	0.18	0.0656	0.0478	0.0494	0.0184	0.18	0.0656	0.0478	0.0494
PCB161	ug/kg-Wet	5	0	0						0.0028 U	0.00542 U	0.002	0.002145 U	0.00222 U
PCB162	ug/kg-Wet	5	4	80	0.0123	0.0263	0.0191	0.0126	0.0253	0.007 U	0.0263	0.016	0.0126	0.0253
PCB164	ug/kg-Wet	5	5	100	0.141	0.944	0.383	0.257	0.356	0.141	0.944	0.383	0.257	0.356
PCB165	ug/kg-Wet	5	3	60	0.0037 J	0.012	0.0089	0.011	0.011	0.00276 U	0.012	0.0059	0.0037 J	0.011
PCB167	ug/kg-Wet	5	5	100	0.0762	0.418	0.219	0.14	0.329	0.0762	0.418	0.219	0.14	0.329
PCB169	ug/kg-Wet	5	0	0						0.00107 U	0.00885 U	0.00186	0.00097 U	0.002675 U
PCB170	ug/kg-Wet	5	5	100	0.598	5.34	2.07	0.997	2.61	0.598	5.34	2.07	0.997	2.61
PCB171 & 173	ug/kg-Wet	5	5	100	0.159	1.48	0.553	0.345	0.552	0.159	1.48	0.553	0.345	0.552
PCB172	ug/kg-Wet	5	5	100	0.125	1.06	0.449	0.252	0.617	0.125	1.06	0.449	0.252	0.617
PCB174	ug/kg-Wet	5	5	100	0.453	4.6	1.62	1.18	1.18	0.453	4.6	1.62	1.18	1.18
PCB175	ug/kg-Wet	5	5	100	0.0234	0.204	0.0792	0.04	0.0931	0.0234	0.204	0.0792	0.04	0.0931
PCB176	ug/kg-Wet	5	5	100	0.0385	0.429	0.148	0.0953	0.113	0.0385	0.429	0.148	0.0953	0.113
PCB177	ug/kg-Wet	5	5	100	0.364	3.03	1.21	0.708	1.46	0.364	3.03	1.21	0.708	1.46
PCB178	ug/kg-Wet	5	5	100	0.16	1.17	0.513	0.325	0.656	0.16	1.17	0.513	0.325	0.656
PCB179	ug/kg-Wet	5	5	100	0.15	1.31	0.493	0.309	0.471	0.15	1.31	0.493	0.309	0.471
PCB180 & 193	ug/kg-Wet	5	5	100	1.53	15	5.67	2.72	6.82	1.53	15	5.67	2.72	6.82
PCB181	ug/kg-Wet	5	4	80	0.0134	0.0207	0.0179	0.0179	0.0194	0.00713 U	0.0207	0.015	0.0179	0.0194
PCB182	ug/kg-Wet	5	3	60	0.00518	0.026	0.0127	0.0069	0.0069	0.00518	0.026	0.00927	0.00518	0.0069
PCB183 & 185	ug/kg-Wet	5	5	100	0.454	4.41	1.61	0.938	1.58	0.454	4.41	1.61	0.938	1.58
PCB184	ug/kg-Wet	5	1	20	0.00122 J	0.00122 J	0.00122	0.00122 J	0.00122 J	0.00122 J	0.00473 U	0.00113	0.000765 U	0.00122 J
PCB186	ug/kg-Wet	5	0	0						0.000712 U	0.00517 U	0.00157	0.001465 U	0.002115 U
PCB187	ug/kg-Wet	5	5	100	1.51	8.21	3.44	2.46	3.52	1.51	8.21	3.44	2.46	3.52
PCB188	ug/kg-Wet	5	4	80	0.00135 J	0.0094	0.00433	0.00196 J	0.00461	0.00135 J	0.0094	0.00367	0.00196 J	0.00461
PCB189	ug/kg-Wet	5	5	100	0.0213	0.157	0.0731	0.0411	0.11	0.0213	0.157	0.0731	0.0411	0.11
PCB190	ug/kg-Wet	5	5	100	0.123	1.11	0.445	0.244	0.569	0.123	1.11	0.445	0.244	0.569
PCB191	ug/kg-Wet	5	5	100	0.0242	0.225	0.0874	0.0442	0.108	0.0242	0.225	0.0874	0.0442	0.108
PCB192	ug/kg-Wet	5	0	0						0.00622 U	0.012 U	0.00444	0.00476 U	0.00492 U
PCB194	ug/kg-Wet	5	5	100	0.252	1.98	0.892	0.455	1.37	0.252	1.98	0.892	0.455	1.37
PCB195	ug/kg-Wet	5	5	100	0.105	0.821	0.354	0.205	0.487	0.105	0.821	0.354	0.205	0.487
PCB196	ug/kg-Wet	5	5	100	0.13	1.04	0.444	0.22	0.62	0.13	1.04	0.444	0.22	0.62
PCB197 & 200	ug/kg-Wet	5	5	100	0.0307	0.243	0.102	0.0886	0.0919	0.0307	0.243	0.102	0.0886	0.0919
PCB198 & 199	ug/kg-Wet	5	5	100	0.354	2.12	1.07	0.727	1.56	0.354	2.12	1.07	0.727	1.56
PCB201	ug/kg-Wet	5	5	100	0.0295	0.19	0.0868	0.0508	0.119	0.0295	0.19	0.0868	0.0508	0.119
PCB202	ug/kg-Wet	5	5	100	0.0583	0.333	0.189	0.156	0.262	0.0583	0.333	0.189	0.156	0.262
PCB203	ug/kg-Wet	5	5	100	0.207	1.46	0.647	0.395	0.864	0.207	1.46	0.647	0.395	0.864
PCB204	ug/kg-Wet	5	1	20	0.00071 J	0.00071 J	0.00071	0.00071 J	0.00071 J	0.00021 U	0.000739 U	0.000355	0.000327 U	0.0003695 U
PCB205	ug/kg-Wet	5	5	100	0.0148	0.0971	0.0463	0.0276	0.0695	0.0148	0.0971	0.0463	0.0276	0.0695
PCB206	ug/kg-Wet	5	5	100	0.139	0.445	0.249	0.203	0.301	0.139	0.445	0.249	0.203	0.301
PCB207	ug/kg-Wet	5	5	100	0.016	0.0492	0.0305	0.0214	0.0458	0.016	0.0492	0.0305	0.0214	0.0458
PCB208	ug/kg-Wet	5	5	100	0.0389	0.143	0.0743	0.0628	0.0742	0.0389	0.143	0.0743	0.0628	0.0742
PCB209	ug/kg-Wet	5	5	100	0.0319	0.157	0.0851	0.098	0.106	0.0319	0.157	0.0851	0.098	0.106
Total PCB Congeners	ug/kg-Wet	5	5	100	53.8	162	83.9	59.8	87	53.8	162	83.9	59.8	87
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.535	1.6	1	0.985	1.25	0.535	1.6	1	0.985	1.25
Heptachlorobiphenyl homologs	ug/kg-Wet	5	5	100	5.77	47.8	18.5	10.9	20.3	5.77	47.8	18.5	10.9	20.3
Hexachlorobiphenyl homologs	ug/kg-Wet	5	5	100	11.7	66.5	27.8	17.5	28.7	11.7	66.5	27.8	17.5	28.7
Monochlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.00438	0.0735	0.0294	0.0225	0.0326	0.00438	0.0735	0.0294	0.0225	0.0326
Nonachlorobiphenyl homologs	ug/kg-Wet	5	5	100	0.194	0.637	0.354	0.287	0.421	0.194	0.637	0.354	0.287	0.421
Octachlorobiphenyl homologs	ug/kg-Wet	5	5	100	1.18	8.28	3.83	2.28	5.44	1.18	8.28	3.83	2.28	5.44
Pentachlorobiphenyl homologs	ug/kg-Wet	5	5	100	11.7	19.4	15.3	14.9	16.4	11.7	19.4	15.3	14.9	16.4
Tetrachlorobiphenyl homologs	ug/kg-Wet	5	5	100	8.25	18.2	12.6	12.3	14.2	8.25	18.2	12.6	12.3	14.2
Trichlorobiphenyl homologs	ug/kg-Wet	5	5	100	2.27	5.86	4.49	4.51	5.66	2.27	5.86	4.49	4.51	5.66
Pesticides														
2,4'-DDD	ug/kg-Wet	5	5	100	0.0924 J	23.5 NJ	5.85	0.419 NJ	5.02	0.0924 J	23.5 NJ	5.85	0.419 NJ	5.02
2,4'-DDE	ug/kg-Wet	5	5	100	0.0289 J	3.78	1.37	0.0713 NJ	2.91 NJ	0.0289 J	3.78	1.37	0.0713 NJ	2.91 NJ
2,4'-DDT	ug/kg-Wet	5	5	100	0.149 J	16.3	4.66	0.21 J	6.42 J	0.149 J	16.3	4.66	0.21 J	6.42 J
4,4'-DDD	ug/kg-Wet	5	5	100	0.528	113 NJ	28.1	2.04	22.8	0.528	113 NJ	28.1	2.04	22.8
4,4'-DDE	ug/kg-Wet	5	5	100	4.96 NJ	144 NJ	47.8	9.16	74	4.96 NJ	144 NJ	47.8	9.16	74

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

		#	#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
4,4'-DDT	ug/kg-Wet	5	5	100	0.969	53.1	18.8	1.29 J	37.5 J	0.969	53.1	18.8	1.29 J	37.5 J
Aldrin	ug/kg-Wet	5	2	40	0.00576 J	0.0426 J	0.0242	0.00576 J	0.00576 J	0.00576 J	0.0426 J	0.0175	0.01665 U	0.01775 U
alpha-Endosulfan	ug/kg-Wet	5	1	20	0.724 J	0.724 J	0.724	0.724 J	0.724 J	0.141 U	0.724 J	0.284	0.245 U	0.2665 U
alpha-Hexachlorocyclohexane	ug/kg-Wet	5	3	60	0.0317 J	0.0748 J	0.0462	0.0322 J	0.0322 J	0.0298 U	0.0748 J	0.0339	0.0317 J	0.0322 J
beta-Endosulfan	ug/kg-Wet	5	0	0						0.198 U	0.561 U	0.194	0.2195 U	0.26 U
beta-Hexachlorocyclohexane	ug/kg-Wet	5	1	20	0.215 J	0.215 J	0.215	0.215 J	0.215 J	0.0225 U	0.215 J	0.0616	0.0299 U	0.0371 U
cis-Chlordane	ug/kg-Wet	5	5	100	0.183 J	1.39	0.626	0.358 J	0.891	0.183 J	1.39	0.626	0.358 J	0.891
cis-Nonachlor	ug/kg-Wet	5	5	100	0.124 J	0.416 J	0.278	0.301 J	0.412 J	0.124 J	0.416 J	0.278	0.301 J	0.412 J
delta-Hexachlorocyclohexane	ug/kg-Wet	5	1	20	0.0972 J	0.0972 J	0.0972	0.0972 J	0.0972 J	0.0024 U	0.0972 J	0.0233	0.0036 U	0.0115 U
Dieldrin	ug/kg-Wet	5	5	100	0.471 J	2.92	1.48	1.58	1.8	0.471 J	2.92	1.48	1.58	1.8
Endosulfan sulfate	ug/kg-Wet	5	4	80	0.232 J	0.713 J	0.51	0.414 J	0.68 J	0.232 J	0.782 U	0.486	0.414 J	0.68 J
Endrin aldehyde	ug/kg-Wet	5	0	0						0.0166 U	0.0769 U	0.0183	0.0143 U	0.02025 U
Endrin ketone	ug/kg-Wet	5	1	20	0.0854 J	0.0854 J	0.0854	0.0854 J	0.0854 J	0.0043 U	0.0854 J	0.0198	0.00375 U	0.00475 U
Endrin	ug/kg-Wet	5	3	60	0.0172 J	0.212 J	0.0874	0.033 J	0.033 J	0.0066 U	0.212 J	0.0548	0.0172 J	0.033 J
gamma-Hexachlorocyclohexane	ug/kg-Wet	5	1	20	0.128 J	0.128 J	0.128	0.128 J	0.128 J	0.0194 U	0.128 J	0.0412	0.02175 U	0.03385 U
Heptachlor epoxide	ug/kg-Wet	5	5	100	0.0666 J	0.312 J	0.153	0.154 J	0.159 J	0.0666 J	0.312 J	0.153	0.154 J	0.159 J
Heptachlor	ug/kg-Wet	5	0	0						0.00687 U	0.293 U	0.0431	0.0064 U	0.055 U
Methoxychlor	ug/kg-Wet	5	0	0						0.014 U	0.35 U	0.0472	0.02185 U	0.02315 U
Oxychlordane	ug/kg-Wet	5	3	60	0.172 J	0.868	0.489	0.427 J	0.427 J	0.172 J	0.868	0.398	0.3315 U	0.427 J
Total Chlordanes	ug/kg-Wet	5	5	100	1.08 JT	4.61 JT	2.67	2.98 JT	3.37 JT	1.08 JT	4.61 JT	2.67	2.98 JT	3.37 JT
Total Endosulfan	ug/kg-Wet	5	4	80	0.232 JT	1.44 JT	0.692	0.414 JT	0.68 JT	0.232 JT	1.44 JT	0.631	0.414 JT	0.68 JT
Total of 2,4' and 4,4'-DDD, -DDE, -I	ug/kg-Wet	5	5	100	8.88 JT	327 JT	107	12.7 JT	175 T	8.88 JT	327 JT	107	12.7 JT	175 T
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	5	5	100	0.62 JT	137 JT	34	2.43 JT	27.8 T	0.62 JT	137 JT	34	2.43 JT	27.8 T
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	5	5	100	5.03 JT	147 JT	49.2	9.21 JT	77.8 T	5.03 JT	147 JT	49.2	9.21 JT	77.8 T
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	5	5	100	1.18 JT	69.4 T	23.5	1.5 JT	43.9 JT	1.18 JT	69.4 T	23.5	1.5 JT	43.9 JT
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	5	5	100	8.26 JT	295 JT	94.8	12.2 T	150 T	8.26 JT	295 JT	94.8	12.2 T	150 T
trans-Chlordane	ug/kg-Wet	5	5	100	0.126 J	1.09	0.462	0.262 J	0.7 J	0.126 J	1.09	0.462	0.262 J	0.7 J
trans-Nonachlor	ug/kg-Wet	5	5	100	0.452 J	1.37	1.02	1.29	1.32	0.452 J	1.37	1.02	1.29	1.32
SVOCs														
Hexachlorobenzene	ug/kg-Wet	5	5	100	0.469	1.66	0.932	0.849	1.07	0.469	1.66	0.932	0.849	1.07
Hexachlorobutadiene	ug/kg-Wet	5	1	20	0.0412 J	0.0412 J	0.0412	0.0412 J	0.0412 J	0.0302 U	0.179 U	0.0482	0.0412 J	0.08 U
UPRIVER														
Stomach Contents														
Aroclors														
Aroclor 1016	ug/kg-Wet	1	0	0						0.00112 U	0.00112 U	0.00056	0.00056 U	0.00056 U
Aroclor 1221	ug/kg-Wet	1	0	0						0.000581 U	0.000581 U	0.000291	0.0002905 U	0.0002905 U
Aroclor 1232	ug/kg-Wet	1	0	0						0.000761 U	0.000761 U	0.000381	0.0003805 U	0.0003805 U
Aroclor 1242	ug/kg-Wet	1	1	100	0.87 NJ	0.87 NJ	0.87	0.87 NJ	0.87 NJ	0.87 NJ	0.87 NJ	0.87	0.87 NJ	0.87 NJ
Aroclor 1248	ug/kg-Wet	1	0	0						0.00111 U	0.00111 U	0.000555	0.000555 U	0.000555 U
Aroclor 1254	ug/kg-Wet	1	1	100	4.87 NJ	4.87 NJ	4.87	4.87 NJ	4.87 NJ	4.87 NJ	4.87 NJ	4.87	4.87 NJ	4.87 NJ
Aroclor 1260	ug/kg-Wet	1	1	100	3.43 NJ	3.43 NJ	3.43	3.43 NJ	3.43 NJ	3.43 NJ	3.43 NJ	3.43	3.43 NJ	3.43 NJ
Total PCB Aroclors	ug/kg-Wet	1	1	100	9.17 JT	9.17 JT	9.17	9.17 JT	9.17 JT	9.17 JT	9.17 JT	9.17	9.17 JT	9.17 JT
Dioxins_Furans														
Dioxin-like PCB congener TCDD to	pg/g-Wet	1	1	100	0.423 T	0.423 T	0.423	0.423 T	0.423 T	0.423 T	0.423 T	0.423	0.423 T	0.423 T
PAHs														
2-Methylnaphthalene	ug/kg-Wet	1	0	0						6.15 U	6.15 U	3.08	3.075 U	3.075 U
Acenaphthene	ug/kg-Wet	1	1	100	1.96 J	1.96 J	1.96	1.96 J	1.96 J	1.96 J	1.96 J	1.96	1.96 J	1.96 J
Acenaphthylene	ug/kg-Wet	1	1	100	0.764 J	0.764 J	0.764	0.764 J	0.764 J	0.764 J	0.764 J	0.764	0.764 J	0.764 J
Anthracene	ug/kg-Wet	1	1	100	1.78 J	1.78 J	1.78	1.78 J	1.78 J	1.78 J	1.78 J	1.78	1.78 J	1.78 J
Benzo(a)anthracene	ug/kg-Wet	1	1	100	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66
Benzo(a)pyrene	ug/kg-Wet	1	1	100	1.07 J	1.07 J	1.07	1.07 J	1.07 J	1.07 J	1.07 J	1.07	1.07 J	1.07 J
Benzo(b+j)fluoranthene	ug/kg-Wet	1	1	100	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
Benzo(g,h,i)perylene	ug/kg-Wet	1	0	0						2.3 U	2.3 U	1.15	1.15 U	1.15 U
Benzo(k)fluoranthene	ug/kg-Wet	1	1	100	1.86 J	1.86 J	1.86	1.86 J	1.86 J	1.86 J	1.86 J	1.86	1.86 J	1.86 J
Chrysene	ug/kg-Wet	1	1	100	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01
Dibenzo(a,h)anthracene	ug/kg-Wet	1	0	0						0.207 U	0.207 U	0.104	0.1035 U	0.1035 U
Fluoranthene	ug/kg-Wet	1	1	100	24.3 J	24.3 J	24.3	24.3 J	24.3 J	24.3 J	24.3 J	24.3	24.3 J	24.3 J
Fluorene	ug/kg-Wet	1	0	0						2.07 U	2.07 U	1.04	1.035 U	1.035 U
High Molecular Weight PAH	ug/kg-Wet	1	1	100	59.4 JT	59.4 JT	59.4	59.4 JT	59.4 JT	59.4 JT	59.4 JT	59.4	59.4 JT	59.4 JT
Indeno(1,2,3-cd)pyrene	ug/kg-Wet	1	0	0						1.27 U	1.27 U	0.635	0.635 U	0.635 U
Low Molecular Weight PAH	ug/kg-Wet	1	1	100	28 JT	28 JT	28	28 JT	28 JT	28 JT	28 JT	28	28 JT	28 JT
Naphthalene	ug/kg-Wet	1	0	0						11 U	11 U	5.5	5.5 U	5.5 U
Phenanthrene	ug/kg-Wet	1	1	100	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
Pyrene	ug/kg-Wet	1	1	100	19.1 J	19.1 J	19.1	19.1 J	19.1 J	19.1 J	19.1 J	19.1	19.1 J	19.1 J
Total PAHs	ug/kg-Wet	1	1	100	87.4 JT	87.4 JT	87.4	87.4 JT	87.4 JT	87.4 JT	87.4 JT	87.4	87.4 JT	87.4 JT
PCB_Congeners														
PCB001	ug/kg-Wet	1	1	100	0.00867	0.00867	0.00867	0.00867	0.00867	0.00867	0.00867	0.00867	0.00867	0.00867
PCB002	ug/kg-Wet	1	0	0						0.00147 U	0.00147 U	0.000735	0.000735 U	0.000735 U
PCB003	ug/kg-Wet	1	1	100	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365
PCB004	ug/kg-Wet	1	1	100	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306	0.0306

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB005	ug/kg-Wet	1	0	0						0.0012 U	0.0012 U	0.0006	0.0006 U	0.0006 U
PCB006	ug/kg-Wet	1	1	100	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913	0.00913
PCB007	ug/kg-Wet	1	1	100	0.00257	0.00257	0.00257	0.00257	0.00257	0.00257	0.00257	0.00257	0.00257	0.00257
PCB008	ug/kg-Wet	1	1	100	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404
PCB009	ug/kg-Wet	1	1	100	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354
PCB010	ug/kg-Wet	1	1	100	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125	0.00125
PCB011	ug/kg-Wet	1	1	100	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
PCB012 & 013	ug/kg-Wet	1	1	100	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
PCB014	ug/kg-Wet	1	0	0						0.00115 U	0.00115 U	0.000575	0.000575 U	0.000575 U
PCB015	ug/kg-Wet	1	1	100	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173
PCB016	ug/kg-Wet	1	1	100	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
PCB017	ug/kg-Wet	1	1	100	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246
PCB018 & 030	ug/kg-Wet	1	1	100	0.0395	0.0395	0.0395	0.0395	0.0395	0.0395	0.0395	0.0395	0.0395	0.0395
PCB019	ug/kg-Wet	1	1	100	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523	0.00523
PCB020 & 028	ug/kg-Wet	1	1	100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
PCB021 & 033	ug/kg-Wet	1	1	100	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218
PCB022	ug/kg-Wet	1	1	100	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206
PCB023	ug/kg-Wet	1	0	0						0.00121 U	0.00121 U	0.000605	0.000605 U	0.000605 U
PCB024	ug/kg-Wet	1	0	0						0.000462 U	0.000462 U	0.000231	0.000231 U	0.000231 U
PCB025	ug/kg-Wet	1	1	100	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695	0.00695
PCB026 & 029	ug/kg-Wet	1	1	100	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
PCB027	ug/kg-Wet	1	1	100	0.00293	0.00293	0.00293	0.00293	0.00293	0.00293	0.00293	0.00293	0.00293	0.00293
PCB031	ug/kg-Wet	1	1	100	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081	0.081
PCB032	ug/kg-Wet	1	1	100	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
PCB034	ug/kg-Wet	1	1	100	0.000421 J	0.000421 J	0.000421	0.000421 J	0.000421 J	0.000421 J	0.000421 J	0.000421	0.000421 J	0.000421 J
PCB035	ug/kg-Wet	1	1	100	0.00251	0.00251	0.00251	0.00251	0.00251	0.00251	0.00251	0.00251	0.00251	0.00251
PCB036	ug/kg-Wet	1	1	100	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163	0.00163
PCB037	ug/kg-Wet	1	1	100	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261
PCB038	ug/kg-Wet	1	0	0						0.000223 U	0.000223 U	0.000112	0.0001115 U	0.0001115 U
PCB039	ug/kg-Wet	1	1	100	0.000796 J	0.000796 J	0.000796	0.000796 J	0.000796 J	0.000796 J	0.000796 J	0.000796	0.000796 J	0.000796 J
PCB040 & 041 & 071	ug/kg-Wet	1	1	100	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444
PCB042	ug/kg-Wet	1	1	100	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
PCB043	ug/kg-Wet	1	1	100	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252
PCB044 & 047 & 065	ug/kg-Wet	1	1	100	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166	0.166
PCB045 & 051	ug/kg-Wet	1	1	100	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126
PCB046	ug/kg-Wet	1	1	100	0.00301	0.00301	0.00301	0.00301	0.00301	0.00301	0.00301	0.00301	0.00301	0.00301
PCB048	ug/kg-Wet	1	1	100	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
PCB049 & 069	ug/kg-Wet	1	1	100	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126	0.126
PCB050 & 053	ug/kg-Wet	1	1	100	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
PCB052	ug/kg-Wet	1	1	100	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241	0.241
PCB054	ug/kg-Wet	1	0	0						0.00054 U	0.00054 U	0.00027	0.00027 U	0.00027 U
PCB055	ug/kg-Wet	1	1	100	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277	0.00277
PCB056	ug/kg-Wet	1	1	100	0.0467	0.0467	0.0467	0.0467	0.0467	0.0467	0.0467	0.0467	0.0467	0.0467
PCB057	ug/kg-Wet	1	1	100	0.000587 J	0.000587 J	0.000587	0.000587 J	0.000587 J	0.000587 J	0.000587 J	0.000587	0.000587 J	0.000587 J
PCB058	ug/kg-Wet	1	1	100	0.000514 J	0.000514 J	0.000514	0.000514 J	0.000514 J	0.000514 J	0.000514 J	0.000514	0.000514 J	0.000514 J
PCB059 & 062 & 075	ug/kg-Wet	1	1	100	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116	0.0116
PCB060	ug/kg-Wet	1	1	100	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
PCB061 & 070 & 074 & 076	ug/kg-Wet	1	1	100	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
PCB063	ug/kg-Wet	1	1	100	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112
PCB064	ug/kg-Wet	1	1	100	0.0739	0.0739	0.0739	0.0739	0.0739	0.0739	0.0739	0.0739	0.0739	0.0739
PCB066	ug/kg-Wet	1	1	100	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
PCB067	ug/kg-Wet	1	1	100	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
PCB068	ug/kg-Wet	1	1	100	0.00328	0.00328	0.00328	0.00328	0.00328	0.00328	0.00328	0.00328	0.00328	0.00328
PCB072	ug/kg-Wet	1	1	100	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
PCB073	ug/kg-Wet	1	0	0						0.000679 U	0.000679 U	0.00034	0.0003395 U	0.0003395 U
PCB077	ug/kg-Wet	1	1	100	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174
PCB078	ug/kg-Wet	1	0	0						0.00187 U	0.00187 U	0.000935	0.000935 U	0.000935 U
PCB079	ug/kg-Wet	1	1	100	0.00432	0.00432	0.00432	0.00432	0.00432	0.00432	0.00432	0.00432	0.00432	0.00432
PCB080	ug/kg-Wet	1	0	0						0.00324 U	0.00324 U	0.00162	0.00162 U	0.00162 U
PCB081	ug/kg-Wet	1	0	0						0.000712 U	0.000712 U	0.000356	0.000356 U	0.000356 U
PCB082	ug/kg-Wet	1	1	100	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335
PCB083 & 099	ug/kg-Wet	1	1	100	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358	0.358
PCB084	ug/kg-Wet	1	1	100	0.0458	0.0458	0.0458	0.0458	0.0458	0.0458	0.0458	0.0458	0.0458	0.0458
PCB085 & 116 & 117	ug/kg-Wet	1	1	100	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113	0.113
PCB086 & 087 & 097 & 108 & 119	ug/kg-Wet	1	1	100	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251	0.251
PCB088 & 091	ug/kg-Wet	1	1	100	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464
PCB089	ug/kg-Wet	1	1	100	0.00166	0.00166	0.00166	0.00166	0.00166	0.00166	0.00166	0.00166	0.00166	0.00166
PCB090 & 101 & 113	ug/kg-Wet	1	1	100	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483	0.483
PCB092	ug/kg-Wet	1	1	100	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772	0.0772
PCB093 & 095 & 098 & 100 & 102	ug/kg-Wet	1	1	100	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

			#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB094	ug/kg-Wet	1	1	100	0.000989	0.000989	0.000989	0.000989	0.000989	0.000989	0.000989	0.000989	0.000989	0.000989
PCB096	ug/kg-Wet	1	1	100	0.000853 J	0.000853 J	0.000853	0.000853 J	0.000853 J	0.000853 J	0.000853 J	0.000853	0.000853 J	0.000853 J
PCB103	ug/kg-Wet	1	1	100	0.00272	0.00272	0.00272	0.00272	0.00272	0.00272	0.00272	0.00272	0.00272	0.00272
PCB104	ug/kg-Wet	1	1	100	0.000119 J	0.000119 J	0.000119	0.000119 J	0.000119 J	0.000119 J	0.000119 J	0.000119	0.000119 J	0.000119 J
PCB105	ug/kg-Wet	1	1	100	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224
PCB106	ug/kg-Wet	1	0	0						0.00111 U	0.00111 U	0.000555	0.000555 U	0.000555 U
PCB107 & 124	ug/kg-Wet	1	1	100	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
PCB109	ug/kg-Wet	1	1	100	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489
PCB110 & 115	ug/kg-Wet	1	1	100	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
PCB111	ug/kg-Wet	1	0	0						0.000409 U	0.000409 U	0.000205	0.0002045 U	0.0002045 U
PCB112	ug/kg-Wet	1	0	0						0.000976 U	0.000976 U	0.000488	0.000488 U	0.000488 U
PCB114	ug/kg-Wet	1	1	100	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147
PCB118	ug/kg-Wet	1	1	100	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
PCB120	ug/kg-Wet	1	1	100	0.00273	0.00273	0.00273	0.00273	0.00273	0.00273	0.00273	0.00273	0.00273	0.00273
PCB121	ug/kg-Wet	1	0	0						0.000414 U	0.000414 U	0.000207	0.000207 U	0.000207 U
PCB122	ug/kg-Wet	1	1	100	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
PCB123	ug/kg-Wet	1	1	100	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129
PCB126	ug/kg-Wet	1	1	100	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284	0.00284
PCB127	ug/kg-Wet	1	0	0						0.00102 U	0.00102 U	0.00051	0.00051 U	0.00051 U
PCB128 & 166	ug/kg-Wet	1	1	100	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105
PCB129 & 138 & 160 & 163	ug/kg-Wet	1	1	100	0.856	0.856	0.856	0.856	0.856	0.856	0.856	0.856	0.856	0.856
PCB130	ug/kg-Wet	1	1	100	0.0493	0.0493	0.0493	0.0493	0.0493	0.0493	0.0493	0.0493	0.0493	0.0493
PCB131	ug/kg-Wet	1	1	100	0.00414	0.00414	0.00414	0.00414	0.00414	0.00414	0.00414	0.00414	0.00414	0.00414
PCB132	ug/kg-Wet	1	1	100	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
PCB133	ug/kg-Wet	1	1	100	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
PCB134 & 143	ug/kg-Wet	1	1	100	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163
PCB135 & 151 & 154	ug/kg-Wet	1	1	100	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151	0.151
PCB136	ug/kg-Wet	1	1	100	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
PCB137	ug/kg-Wet	1	1	100	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
PCB139 & 140	ug/kg-Wet	1	1	100	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106
PCB141	ug/kg-Wet	1	1	100	0.0998	0.0998	0.0998	0.0998	0.0998	0.0998	0.0998	0.0998	0.0998	0.0998
PCB142	ug/kg-Wet	1	0	0						0.000915 U	0.000915 U	0.000458	0.0004575 U	0.0004575 U
PCB144	ug/kg-Wet	1	1	100	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174
PCB145	ug/kg-Wet	1	0	0						0.000122 U	0.000122 U	0.000061	0.000061 U	0.000061 U
PCB146	ug/kg-Wet	1	1	100	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171	0.171
PCB147 & 149	ug/kg-Wet	1	1	100	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
PCB148	ug/kg-Wet	1	0	0						0.00114 U	0.00114 U	0.00057	0.00057 U	0.00057 U
PCB150	ug/kg-Wet	1	0	0						0.000497 U	0.000497 U	0.000249	0.0002485 U	0.0002485 U
PCB152	ug/kg-Wet	1	0	0						0.000105 U	0.000105 U	0.0000525	0.0000525 U	0.0000525 U
PCB153 & 168	ug/kg-Wet	1	1	100	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842
PCB155	ug/kg-Wet	1	1	100	0.000488 J	0.000488 J	0.000488	0.000488 J	0.000488 J	0.000488 J	0.000488 J	0.000488	0.000488 J	0.000488 J
PCB156 & 157	ug/kg-Wet	1	1	100	0.0838	0.0838	0.0838	0.0838	0.0838	0.0838	0.0838	0.0838	0.0838	0.0838
PCB158	ug/kg-Wet	1	1	100	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734
PCB159	ug/kg-Wet	1	0	0						0.00434 U	0.00434 U	0.00217	0.00217 U	0.00217 U
PCB161	ug/kg-Wet	1	0	0						0.00103 U	0.00103 U	0.000515	0.000515 U	0.000515 U
PCB162	ug/kg-Wet	1	1	100	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
PCB164	ug/kg-Wet	1	1	100	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421
PCB165	ug/kg-Wet	1	0	0						0.00036 U	0.00036 U	0.00018	0.00018 U	0.00018 U
PCB167	ug/kg-Wet	1	1	100	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
PCB169	ug/kg-Wet	1	0	0						0.000316 U	0.000316 U	0.000158	0.000158 U	0.000158 U
PCB170	ug/kg-Wet	1	1	100	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
PCB171 & 173	ug/kg-Wet	1	1	100	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379	0.0379
PCB172	ug/kg-Wet	1	1	100	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359	0.0359
PCB174	ug/kg-Wet	1	1	100	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103	0.103
PCB175	ug/kg-Wet	1	1	100	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684	0.00684
PCB176	ug/kg-Wet	1	1	100	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
PCB177	ug/kg-Wet	1	1	100	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857
PCB178	ug/kg-Wet	1	1	100	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447	0.0447
PCB179	ug/kg-Wet	1	1	100	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043
PCB180 & 193	ug/kg-Wet	1	1	100	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424	0.424
PCB181	ug/kg-Wet	1	0	0						0.00143 U	0.00143 U	0.000715	0.000715 U	0.000715 U
PCB182	ug/kg-Wet	1	1	100	0.00137	0.00137	0.00137	0.00137	0.00137	0.00137	0.00137	0.00137	0.00137	0.00137
PCB183 & 185	ug/kg-Wet	1	1	100	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114	0.114
PCB184	ug/kg-Wet	1	1	100	0.000707 J	0.000707 J	0.000707	0.000707 J	0.000707 J	0.000707 J	0.000707 J	0.000707	0.000707 J	0.000707 J
PCB186	ug/kg-Wet	1	0	0						0.000986 U	0.000986 U	0.000493	0.000493 U	0.000493 U
PCB187	ug/kg-Wet	1	1	100	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
PCB188	ug/kg-Wet	1	1	100	0.000542 J	0.000542 J	0.000542	0.000542 J	0.000542 J	0.000542 J	0.000542 J	0.000542	0.000542 J	0.000542 J
PCB189	ug/kg-Wet	1	1	100	0.00674	0.00674	0.00674	0.00674	0.00674	0.00674	0.00674	0.00674	0.00674	0.00674
PCB190	ug/kg-Wet	1	1	100	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354
PCB191	ug/kg-Wet	1	1	100	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066

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Table C1-30. Summary Statistics - Juvenile Chinook stomach contents.

		#	#	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Units	#	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum (full DL)	Maximum (full DL)	Mean (half DL)	Median (half DL)	95th (half DL)
PCB192	ug/kg-Wet	1	0	0						0.00229 U	0.00229 U	0.00115	0.001145 U	0.001145 U
PCB194	ug/kg-Wet	1	1	100	0.0784	0.0784	0.0784	0.0784	0.0784	0.0784	0.0784	0.0784	0.0784	0.0784
PCB195	ug/kg-Wet	1	1	100	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
PCB196	ug/kg-Wet	1	1	100	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374
PCB197 & 200	ug/kg-Wet	1	1	100	0.00966	0.00966	0.00966	0.00966	0.00966	0.00966	0.00966	0.00966	0.00966	0.00966
PCB198 & 199	ug/kg-Wet	1	1	100	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
PCB201	ug/kg-Wet	1	1	100	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
PCB202	ug/kg-Wet	1	1	100	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305
PCB203	ug/kg-Wet	1	1	100	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082	0.082
PCB204	ug/kg-Wet	1	0	0						0.000156 U	0.000156 U	0.000078	0.000078 U	0.000078 U
PCB205	ug/kg-Wet	1	1	100	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407	0.00407
PCB206	ug/kg-Wet	1	1	100	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448
PCB207	ug/kg-Wet	1	1	100	0.00512	0.00512	0.00512	0.00512	0.00512	0.00512	0.00512	0.00512	0.00512	0.00512
PCB208	ug/kg-Wet	1	1	100	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157
PCB209	ug/kg-Wet	1	1	100	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
Total PCB Congeners	ug/kg-Wet	1	1	100	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
PCB_Homologs														
Dichlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
Heptachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Hexachlorobiphenyl homologs	ug/kg-Wet	1	1	100	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22
Monochlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
Nonachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656
Octachlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Pentachlorobiphenyl homologs	ug/kg-Wet	1	1	100	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
Tetrachlorobiphenyl homologs	ug/kg-Wet	1	1	100	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
Trichlorobiphenyl homologs	ug/kg-Wet	1	1	100	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408	0.408
Pesticides														
2,4'-DDD	ug/kg-Wet	1	1	100	0.0822 J	0.0822 J	0.0822	0.0822 J	0.0822 J	0.0822 J	0.0822 J	0.0822	0.0822 J	0.0822 J
2,4'-DDE	ug/kg-Wet	1	1	100	0.0317 J	0.0317 J	0.0317	0.0317 J	0.0317 J	0.0317 J	0.0317 J	0.0317	0.0317 J	0.0317 J
2,4'-DDT	ug/kg-Wet	1	1	100	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
4,4'-DDD	ug/kg-Wet	1	1	100	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
4,4'-DDE	ug/kg-Wet	1	1	100	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33	5.33
4,4'-DDT	ug/kg-Wet	1	1	100	0.578	0.578	0.578	0.578	0.578	0.578	0.578	0.578	0.578	0.578
Aldrin	ug/kg-Wet	1	0	0						0.000169 U	0.000169 U	0.0000845	0.0000845 U	0.0000845 U
alpha-Endosulfan	ug/kg-Wet	1	1	100	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449	0.449
alpha-Hexachlorocyclohexane	ug/kg-Wet	1	1	100	0.0165 J	0.0165 J	0.0165	0.0165 J	0.0165 J	0.0165 J	0.0165 J	0.0165	0.0165 J	0.0165 J
beta-Endosulfan	ug/kg-Wet	1	1	100	0.25 J	0.25 J	0.25	0.25 J	0.25 J	0.25 J	0.25 J	0.25	0.25 J	0.25 J
beta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.00892 U	0.00892 U	0.00446	0.00446 U	0.00446 U
cis-Chlordane	ug/kg-Wet	1	1	100	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267
cis-Nonachlor	ug/kg-Wet	1	1	100	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244	0.244
delta-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0014 U	0.0014 U	0.0007	0.0007 U	0.0007 U
Dieldrin	ug/kg-Wet	1	1	100	0.905	0.905	0.905	0.905	0.905	0.905	0.905	0.905	0.905	0.905
Endosulfan sulfate	ug/kg-Wet	1	1	100	0.891	0.891	0.891	0.891	0.891	0.891	0.891	0.891	0.891	0.891
Endrin aldehyde	ug/kg-Wet	1	0	0						0.0224 U	0.0224 U	0.0112	0.0112 U	0.0112 U
Endrin ketone	ug/kg-Wet	1	0	0						0.0015 U	0.0015 U	0.00075	0.00075 U	0.00075 U
Endrin	ug/kg-Wet	1	1	100	0.00503 J	0.00503 J	0.00503	0.00503 J	0.00503 J	0.00503 J	0.00503 J	0.00503	0.00503 J	0.00503 J
gamma-Hexachlorocyclohexane	ug/kg-Wet	1	0	0						0.0221 U	0.0221 U	0.0111	0.01105 U	0.01105 U
Heptachlor epoxide	ug/kg-Wet	1	1	100	0.11 J	0.11 J	0.11	0.11 J	0.11 J	0.11 J	0.11 J	0.11	0.11 J	0.11 J
Heptachlor	ug/kg-Wet	1	0	0						0.0025 U	0.0025 U	0.00125	0.00125 U	0.00125 U
Methoxychlor	ug/kg-Wet	1	0	0						0.0545 U	0.0545 U	0.0273	0.02725 U	0.02725 U
Oxychlordane	ug/kg-Wet	1	1	100	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
Total Chlordanes	ug/kg-Wet	1	1	100	2.26 JT	2.26 JT	2.26	2.26 JT	2.26 JT	2.26 JT	2.26 JT	2.26	2.26 JT	2.26 JT
Total Endosulfan	ug/kg-Wet	1	1	100	1.59 JT	1.59 JT	1.59	1.59 JT	1.59 JT	1.59 JT	1.59 JT	1.59	1.59 JT	1.59 JT
Total of 2,4' and 4,4'-DDD, -DDE, -D	ug/kg-Wet	1	1	100	6.61 JT	6.61 JT	6.61	6.61 JT	6.61 JT	6.61 JT	6.61 JT	6.61	6.61 JT	6.61 JT
Total of 2,4' and 4,4'-DDD	ug/kg-Wet	1	1	100	0.56 JT	0.56 JT	0.56	0.56 JT	0.56 JT	0.56 JT	0.56 JT	0.56	0.56 JT	0.56 JT
Total of 2,4' and 4,4'-DDE	ug/kg-Wet	1	1	100	5.36 JT	5.36 JT	5.36	5.36 JT	5.36 JT	5.36 JT	5.36 JT	5.36	5.36 JT	5.36 JT
Total of 2,4' and 4,4'-DDT	ug/kg-Wet	1	1	100	0.686 T	0.686 T	0.686	0.686 T	0.686 T	0.686 T	0.686 T	0.686	0.686 T	0.686 T
Total of 4,4'-DDD, -DDE, -DDT	ug/kg-Wet	1	1	100	6.39 T	6.39 T	6.39	6.39 T	6.39 T	6.39 T	6.39 T	6.39	6.39 T	6.39 T
trans-Chlordane	ug/kg-Wet	1	1	100	0.151 J	0.151 J	0.151	0.151 J	0.151 J	0.151 J	0.151 J	0.151	0.151 J	0.151 J
trans-Nonachlor	ug/kg-Wet	1	1	100	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
SVOCs														
Hexachlorobenzene	ug/kg-Wet	1	1	100	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767	0.767
Hexachlorobutadiene	ug/kg-Wet	1	0	0						0.00589 U	0.00589 U	0.00295	0.002945 U	0.002945 U

Notes:

J - The associated numerical value is an estimate

N - Presumptive evidence of presence of materia

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

BZTO104(e)028531

Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
B001	LW2-B001	11.1	9.45	3.75	3.44		2.38		5.74			35.9 T
B002	LW2-B002	5.57	4.26	2.34	1.99		1.47		3.76			19.4 T
B003	LW2-B003	13.1 T	10.6 T	7.3 T	4.53 T		2.03 T		7.05 T			44.6 T
B004	LW2-B004	3.24	4.54	2.18	1.67		1.08		2.87			15.6 T
B005	LW2-B005	3.34	1.91	1.28	0.79		0.61		1.24			9.17 T
B006	LW2-B006	0.49	0.37	0.5	0.44		0.34		0.68			2.82 T
B007	LW2-B007	5 T	2.86 T	2.69 T	1.47 T		1.42 T		2.77 T			16.2 T
B008	LW2-B008	0.05	0	0.2	0		0.08		0			0.33 T
B009	LW2-B009	0.41	0.03	0.29	0.04		0.02		0.27			1.06 T
B010	LW2-B010	3.61	4.86	2.63	1.78		1.91		3.5			18.3 T
B011	LW2-B011	0.06	0	0.11	0.08		0		0.07			0.32 T
B012	LW2-B012	1.32	0.87	0.68	0.25		0.36		0.25			3.73 T
B015	LW2-B015	0.2	0.02	0.06	0.05		0		0.08			0.41 T
B016	LW2-B016	1.74	1.8	1.8	0.83		0.69		1.24			8.1 T
B017	LW2-B017	0.74	0.44	0.54	0.2		0.21		0.22			2.35 T
B018	LW2-B018	0.17	0.1	0.15	0		0.2		0			0.62 T
B019	LW2-B019	3.84	2.88	3.14	2.04		0.97		2.71			15.6 T
B020	LW2-B020	4.02	3.22	0	0.7		0.72		0.62			9.28 T
B021	LW2-B021	1.21	0.57	0.46	0.13		0.24		0.28			2.89 T
B022-1	LW2-B022-1	7.83	4.11	3.17	1.66		1.19		2.43			20.4 T
B022-2	LW2-B022-2	9.43	6.51	3.7	2.25		1.4		2.33			25.6 T
B023	LW2-B023	1.4	1.13	0.85	0.61		0.48		0.74			5.21 T
B024	LW2-B024	0.3	0.13	0.25	0.02		0.09		0			0.79 T
B025-1	LW2-B025-1	3.09 T	0.565 T	0.515 T	0.28 T		0.295 T		0.203 T			4.95 T
B025-2	LW2-B025-2	1.14	1.24	1.21	0.62		0.51					4.72 JT
B026	LW2-B026	12.7	19	6.21	3.34		2.3		5.95			49.5 T
B050	LW2-B050	1.11	1.74	1.95	1.56		1.01		1.82			9.19 T
C060	LW2-C060-A	7.93 T	2.04 T	1.41 T	1.26 T		1 T		1.68 T			15.3 T
C066	LW2-C066-A	18.4	16.6	9.4	5.84		5.09		7.4			62.7 T
C067	LW2-C067-A	20 J	16.2 J	8.21 J	5.33 J		3.46 J		7.49 J			60.7 T
C093	LW2-C093-A	7.63	12.9	14.7	15.5		11.8		8.01			70.5 T
C106	LW2-C106-A	16.8	20.8	12.1	9.39		6.51		8.69			74.3 T
C109	LW2-C109-A	23.2	14.7	11.3	7.77		6.12		9.14			72.2 T
C111-2	LW2-C111-A2	24.7 J	22.1 J	11.8 J	6.78 J		3.89 J		7.34 J			76.6 T
C112	LW2-C112-A	20.3 JT	25.1 JT	13.6 JT	7.38 JT		4.75 JT		9.27 JT			80.4 T
C138	LW2-C138-A	10.6 J	8.49 J	5.43 J	3.54 J		2.38 J		3.37 J			33.8 T
C144	LW2-C144-A	20.5	27	14.5	9.8		5.26		8.35			85.4 T
C158	LW2-C158-A	17.7 J	22.3 J	15.1 J	8.99 J		5.15 J		8.54 J			77.8 T
C162	LW2-C162-A	13.4 J	18.5 J	12 J	8.63 J		4.63 J		8.8 J			66 T
C167	LW2-C167-A	17.7	25.3	17.1	11.1		5.23		12			88.4 T
C169	LW2-C169-A	15.7 J	21.5 J	13 J	8.36 J		5.6 J		9.25 J			73.4 T
C171	LW2-C171-A	18.9 J	22.5 J	12.7 J	8.84 J		5.32 J		8.41 J			76.7 T
C196	LW2-C196-A	4.94 J	6.31 J	5.49 J	3.88 J		2.61 J		4.59 J			27.8 T
C221	LW2-C221-A	1.78	3.34	3.27	2.04		1.57		2.48			14.5 T
C255	LW2-C255-A	0.41	0.18	0	0.25		0.11		0.08			1.03 T
C269	LW2-C269-A	4.96 J	28 J	20.5 J	14.8 J		12.5 J		12.8 J			93.6 T
C282	LW2-C282-A	12.2 J	19.9 J	19.5 J	11.1 J		6.12 J		12.3 J			81.1 T
C290	LW2-C290-A	1.49 J	2.3 J	1.67 J	1.39 J		1.14 J		1.52 J			9.51 T
C291	LW2-C291-A	24	21.3	18.8	8.19		5.59		9.11			87 T
C293-2	LW2-C293-A2	5.78 J	18.7 J	18.4 J	18 J		13.5 J		20.3 J			94.7 T
C299	LW2-C299-A	12.4 J	20.4 J	17.2 J	10.3 J		4.65 J		8.47 J			73.4 T
C300-1	LW2-C300-A	5.07 J	31.7 J	13.8 J	8.81 J		5.13 J		9.41 J			73.9 T
C301	LW2-C301-A	10.8 J	16.3 J	13 J	7.69 J		4.67 J		9.29 J			61.8 T
C312	LW2-C312-A	5.57	19.5	15	9.64		4.12		9.77			63.6 T
C329	LW2-C329-A	1.41 J	0.99 J	0.8 J	0.71 J		0.44 J		0.64 J			4.99 T
C335	LW2-C335-A	3.51 J	2.15 J	1.45 J	1.31 J		1.05 J		0.97 J			10.4 T
C342	LW2-C342-A	20.1	25	13.1	7.17		4.72		9.87			80 T
C348	LW2-C348-A	30.5 J	23.2 J	9.65 J	6.14 J		3.93 J		5.09 J			78.5 T
C356	LW2-C356-A	47 J	15.5 J	11.4 J	5.48 J		3.28 J		4.93 J			87.6 T
C361	LW2-C361-A	22.1 J	19.1 J	14.2 J	7.89 J		4.54 J		8.88 J			76.7 T
C379	LW2-C379-A	5.92 J	17.6 J	16.9 J	17.5 J		13.8 J		18.9 J			90.6 T
C380	LW2-C380-A	8.52 J	7.43 J	4.75 J	2.6 J		2.04 J		3.68 J			29 T
C397	LW2-C397-A	1.79	14.2	17	24.7		16.3		14.1			88.1 T
C400	LW2-C400-A	27.3	2.98	7.16	4.7		4.13		5.08			51.4 T
C409	LW2-C409-A	19.5 J	15.8 J	9.49 J	6.68 J		3.48 J		6.41 J			61.4 T
C420	LW2-C420-A	24.2	16.9	9.07	6.59		4.09		6.13			67 T
C421	LW2-C421-A	5.73 J	15 J	16.1 J	14.6 J		10.2 J		16.5 J			78.1 T
C426	LW2-C426-A	9.44 J	23 J	18.6 J	16.5 J		10.2 J		16.8 J			94.5 T
C430	LW2-C430-A	18.3 J	26.2 J	12.5 J	8.41 J		4.66 J		8.1 J			78.2 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C434	LW2-C434-A	10.7 J	12 J	7.16 J	4.28 J		3.03 J		3.57 J			40.7 T
C436	LW2-C436-A	28.9 J	16.9 J	9.04 J	4.13 J		2.51 J		3.53 J			65 T
C440	LW2-C440-A	23.1 J	29.8 J	14.8 J	6.92 J		5.37 J		9.21 J			89.2 T
C441-1	LW2-C441-A1	18.5 J	29.4 J	13.4 J	7.26 J		4.22 J		9.13 J			81.9 T
C447	LW2-C447-A	14.9 J	25.3 J	16.4 J	8.51 J		5.88 J		10.2 J			81.2 T
C448	LW2-C448-A	8.72 J	35.6 J	16.3 J	9.07 J		4.87 J		10.3 J			84.9 T
C461	LW2-C461-A	25.4 J	27.1 J	15.6 J	8.56 J		5.97 J		9.85 J			92.5 T
C471	LW2-C471-A	37.9	15.4	10	5.86		2.83		3.13			75.1 T
C494	LW2-C494-A	35.3 J	11.9 J	1.78 J	1.57 J		0.48 J		2.63 J			53.7 T
C522	LW2-C522-A	14.3	24.1	15.9	11.5		5.79		10.7			82.3 T
C523	LW2-C523-A	3.67	5.12	4.42	2.72		1.56		2.53			20 T
C524	LW2-C524-A	3.16	3.61	3.19	2.31		1.32		1.95			15.5 T
C525	LW2-C525-A	12.6	17	10.6	6.99		4.55		8.55			60.3 T
C527	LW2-C527-A	17.5	29	14.8	8.15		4.79		8.19			82.4 T
C528	LW2-C528-A	17.9	33.1	15.7	9.12		5.14		8.09			89.1 T
C529	LW2-C529-A	16.2 JT	26.9 T	18.2 T	9.44 T		5.56 T		10.5 T			86.8 T
C530	LW2-C530-A	19.4	16.8	14.3	6.91		4.83		9.14			71.4 T
C531	LW2-C531-A	26.9	19.9	10.7	6.02		3.16		8.35			75 T
C532	LW2-C532-A	21.6	28.9	14.6	7.14		4.14		6.95			83.3 T
C533	LW2-C533-A	3.67	10.8	12.7	8.1		4.58		8.46			48.3 T
D1-1	LW2-D1-1	29.5 T	23.9 T	13.8 T	7.16 T		5.01 T		7.57 T			86.9 T
D1-2	LW2-D1-2	33	21.6	12.9	6.72		4.78		7.72			86.7 T
D2	LW2-D2	27.2	6.32	2.7	1.55		1.3		1.79			40.9 T
G001	LW2-G001	41.7	18.2	10.7	4.5		4.06		7.15			86.3 T
G002	LW2-G002	38.1	22.8	12.5	7.5		4.02		6.75			91.7 T
G003	LW2-G003	30.5 T	27.1 T	12.9 T	7.28 T		5.05 T		6.74 T			89.6 T
G004	LW2-G004	24.9	16.6	8.71	5.05		3.26		5.48			64 T
G005	LW2-G005	31.6	26.6	15.3	10.4		5.47		5.34			94.7 T
G006	LW2-G006	20.9	32.3	20.3	12		5.24		9.74			100 T
G007-1	LW2-G007-1	17 T	21.8 T	15.3 T	8.41 T		5.68 T		9.77 T			78 T
G007-2	LW2-G007-2	30.5	24.7	15	7.47		4.4		8.57			90.6 T
G008	LW2-G008	31.2	26.9	16.6	9.02		5.1		6.79			95.6 T
G009	LW2-G009	5.89	4.95	4.02	2.51		1.81		4.11			23.3 T
G010	LW2-G010	26.5	26.8	17.5	8.05		5.78		9.48			94.1 T
G011	LW2-G011	14.9	13.8	9.97	6.21		4.15		5.43			54.5 T
G012	LW2-G012	28.6	24.7	15.2	8.25		4.68		6.23			87.7 T
G013	LW2-G013	21.8	27.8	20.6	12		5.46		11.5			99.2 T
G014	LW2-G014	32	26.7	15.2	8.86		4.41		6.54			93.7 T
G015	LW2-G015	16.6 T	14.9 T	11.4 T	6.48 T		4.36 T		6.13 T			59.9 T
G016	LW2-G016	18.1 T	31.4 T	20.5 T	11.1 T		6.56 T		8.54 T			96.2 T
G017	LW2-G017	39.1	15.3	9.7	4.01		4.23		4.11			76.5 T
G018	LW2-G018	29	23.7	13.7	8.21		4.62		6.58			85.8 T
G019	LW2-G019	1.14	0.73	0.66	0.62		0.44		0.19			3.78 T
G020	LW2-G020	40.6	15.6	10.5	6.14		3.61		5.44			81.9 T
G021	LW2-G021	22.3	27.7	17.3	9.74		6.07		7.64			90.8 T
G022	LW2-G022	35.4	23.1	13.7	7.3		5.03		5.3			89.8 T
G023-1	LW2-G023-1	21.7 T	8.38 T	4.7 T	2.68 T		1.71 T		3.57 T			42.7 T
G023-2	LW2-G023-2	25.8	12.9	7.22	4.3		3.43		5.9			59.6 T
G024	LW2-G024	44.4	16.2	10.1	5.9		3.96		5.7			86.3 T
G025	LW2-G025	0.21	0.12	0.17	0.15		0.01		0.03			0.69 T
G026	LW2-G026	35.4	21.1	14.3	8.96		5.15		5.86			90.8 T
G027	LW2-G027	0.86	2.45	2.01	1.39		0.87		0.87			8.45 T
G028	LW2-G028	25.5	14.5	10.8	8.19		4.43		7.73			71.2 T
G029	LW2-G029	29.8	24	6.36	5.15		3.6		5.37			74.3 T
G030	LW2-G030	23	31.7	15.2	7.53		7.29		8.5			93.2 T
G031	LW2-G031	30	11.9	7.81	5.08		3.28		5.5			63.6 T
G032	LW2-G032	23.2	27.7	17.4	12.1		5.13		6.56			92.1 T
G033	LW2-G033	12	12	8.07	5.43		3.26		3.9			44.7 T
G034	LW2-G034	1.82	3.25	2.98	2.26		1.08		0.8			12.2 T
G035	LW2-G035	44.6	11.1	5.79	3.83		1.96		3.36			70.6 T
G036	LW2-G036	31.4	22	12.7	7.28		3.88		4.55			81.8 T
G037	LW2-G037	2.14	1.42	0.52	0.46		0.38		0.43			5.35 T
G038	LW2-G038	1.48	2.89	2.38	1.91		1.42		1.58			11.7 T
G039	LW2-G039	22.9	26.4	15.8	10.3		5.48		7.87			88.8 T
G040	LW2-G040	2.03	2.14	1.19	0.56		0.65		0.44			7.01 T
G041	LW2-G041	16.6	17	9.7	5.24		3.68		5.04			57.3 T
G042	LW2-G042	20.4	21.2	13.6	8.62		5.01		7.27			76.1 T
G043	LW2-G043	27.4 T	22.9 T	13.3 T	8.72 T		4.72 T		7.62 T			84.7 T
G044-1	LW2-G044-1	30.4 T	19.1 T	12.2 T	8.31 T		5.49 T		7.57 T			83.1 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G044-2	LW2-G044-2	34.4	18.9	11.7	7.43		4.45		6.72			83.6 T
G045	LW2-G045	0.263 T	0.413 T	0.237 T	0.513 T		0.37 T		0.213 T			2.01 T
G046	LW2-G046	34.7	17.8	11.6	8.07		4.42		5.82			82.4 T
G047	LW2-G047	1.05	0.8	0.6	0.78		0.57		0.46			4.26 T
G048	LW2-G048	0	0.21	0.43	0.31		0.23		0.23			1.41 T
G049	LW2-G049	0.25	0.34	0.39	0.38		0.38		0.17			1.91 T
G050	LW2-G050	22	9.06	6.14	5.2		3.3		3.47			49.2 T
G051	LW2-G051	19.9	20.9	14.4	8.93		5.46		6.14			75.7 T
G052	LW2-G052	1.68 T	1.32 T	1.28 T	0.833 T		0.827 T		1.2 T			7.14 T
G053	LW2-G053	0.3	0.38	0.33	0.28		0.18		0.05			1.52 T
G054	LW2-G054	6.49	3.37	2.69	2.05		1.58		2.46			18.6 T
G055	LW2-G055	15.9	12.2	9.24	6.2		2.74		4.81			51.1 T
G056	LW2-G056	7.32	6.23	3.81	3		1.55		1.59			23.5 T
G057	LW2-G057	23.4	9.05	5.44	4.53		3.55		4.56			50.5 T
G058	LW2-G058	12.1	8.67	5.81	3.45		1.5		2.33			33.9 T
G059	LW2-G059	0.29	0.57	0.58	0.53		0.35		0.13			2.45 T
G060	LW2-G060	8.3	3.3	1.79	0.99		1.18		1.47			17 T
G061	LW2-G061	16.7	12.9	9.43	5.33		3.1		5.52			53 T
G062	LW2-G062	7.64	1.85	1.1	0.78		0.35		0.79			12.5 T
G063	LW2-G063	39.5	11.6	7.23	5.04		4.05		5.18			72.6 T
G064	LW2-G064	11.3	3.65	2.31	1.4		1.38		1.43			21.5 T
G065	LW2-G065	31.4	8.73	4.72	3.5		2.7		3.59			54.6 T
G066	LW2-G066	26.9	13.3	8.3	4.46		3.24		5.46			61.7 T
G067	LW2-G067	19.5	13.2	8.33	5.14		2.78		4.81			53.8 T
G068	LW2-G068	40.7	8.33	5.43	3.77		2.41		2.99			63.6 T
G069	LW2-G069	11.5	12.8	9.44	6.35		3.05		4.56			47.7 T
G070	LW2-G070	22.4	19.4	11.1	6.38		4.03		7.98			71.3 T
G071	LW2-G071	10.8	6.78	2.91	2.19		1.52		3.25			27.5 T
G072	LW2-G072	35.2	19.3	10.1	6.7		5.53		4.87			81.7 T
G073	LW2-G073	0.92	0.86	0.87	0.61		0.46		0.49			4.21 T
G074	LW2-G074	1.13	1.24	1.15	0.84		0.84		0.84			6.04 T
G075-1	LW2-G075-1	9.21	6.15	4.38	2.42		2.02		2.54			26.7 T
G075-2	LW2-G075-2	15.5	7.53	4.32	2.96		2.37		3.49			36.2 T
G076	LW2-G076	24.5	17.7	9.94	6.46		4.5		6.53			69.6 T
G077	LW2-G077	44 T	20 T	11.4 T	5.76 T		3.57 T		6.34 T			91.1 T
G078	LW2-G078	2.32	2.15	2.48	1.69		0.92		1.89			11.5 T
G079	LW2-G079	9.68	5.95	6.26	6.16		3.91		13.1			45.1 T
G080	LW2-G080	0.67	0.5	0.37	0.46		0.3		0.57			2.87 T
G081	LW2-G081	23.9	19	11.7	8		3.83		6.63			73.1 T
G082	LW2-G082	2.38	3.1	3	2.15		1.54		1.8			14 T
G083	LW2-G083	17.4	7.54	4.26	2.7		1.36		2.33			35.6 T
G084	LW2-G084	12.7	6.88	4.64	3.7		3.2		3.24			34.4 T
G085	LW2-G085	14.6 T	17.8 T	19.4 JT	13.2 T		3.97 T		4.86 T			73.8 JT
G086	LW2-G086	24	5.89	4.7	2.71		0.94		1.76			40 T
G087	LW2-G087	20	6.5	4.59	2.14		0.88		1.49			35.6 T
G088	LW2-G088	17.5 T	11.8 T	8.72 T	5.93 T		3.87 T		4.02 T			51.8 T
G089	LW2-G089	0.74	0.44	0.22	0.56		0.18		0.46			2.6 T
G090	LW2-G090	23.9	12	8.2	7.45		3.8		3.23			58.6 T
G091	LW2-G091	19.1	15.7	12	6.26		5.7		2.51			61.3 T
G092	LW2-G092	2.22	48.2	3.13	1.39		0.73		0.63			56.3 T
G093	LW2-G093	13.8	14.6	0.42	6.77		4.45		10			50 T
G094	LW2-G094	11.9	5.01	3.41	2.72		1.86		3.64			28.5 T
G095	LW2-G095	8.53 JT	5.77 T	1.58 T	1.74 T		1.16 T		2.19 T			21 JT
G096	LW2-G096	4.43	5.38	4.72	2.84		1.59		2.65			21.6 T
G097	LW2-G097	19.6	15.9	9.4	6.48		4.51		6.97			62.9 T
G098	LW2-G098	23.4	15.4	10.5	6.26		3.12		5			63.7 T
G099	LW2-G099	29.3	8.85	5.65	2.97		2.45		3.22			52.4 T
G100	LW2-G100	6.73	7.91	6.07	4.77		2.41		4.98			32.9 T
G101	LW2-G101	26.7	15.9	9.42	5.76		4.72		5.84			68.3 T
G102	LW2-G102	2.74	2.49	1.87	1.85		0.7		1.1			10.8 T
G103	LW2-G103	14.5	9.31	7.08	5.5		4.21		6.17			46.8 T
G104	LW2-G104	24.4	19.2	9.69	6.47		2.95		4.82			67.5 T
G105	LW2-G105	6.92	3.86	2.63	1.82		1.16		1.4			17.8 T
G106	LW2-G106	24.5	7.38	4.73	3.69		2.57		3.44			46.3 T
G107	LW2-G107	25.3	17	6.06	3.61		2.48		4.94			59.4 T
G108	LW2-G108	38.9	15.7	9.67	6.36		3.67		4.69			79 T
G109	LW2-G109	35.7	8.04	5.62	2.94		1.93		3.7			57.9 T
G110	LW2-G110	49.4	15	8.22	5.7		3.32		5.57			87.2 T
G111	LW2-G111	25.2	7.81	4.71	3.3		1.67		2.7			45.4 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G112	LW2-G112	41.8	8.61	6.14	4.06		2.65		4.04			67.3 T
G113	LW2-G113	32.1	16.9	9.87	7.42		4.52		6.48			77.3 T
G114	LW2-G114	6.33 T	5.37 T	3.3 T	2.27 T		1 T		1.13 T			19.4 T
G115-1	LW2-G115-1	20 T	12.3 T	7.42 T	5 T		2.79 T		4.36 T			51.9 T
G115-2	LW2-G115-2	20.8	11.9	5.56	4.78		2.83		4.13			50 T
G116	LW2-G116	37.3	18.8	10.4	7.53		4.05		7.28			85.4 T
G117	LW2-G117	37.2	11.6	7.02	5.31		3.91		5.19			70.2 T
G118	LW2-G118	18.2	18.9	11	7.28		3.86		6.68			65.9 T
G119	LW2-G119	11.1	20.9	14.5	9.17		4.4		7.19			67.3 T
G120	LW2-G120	43.8	14.1	9.27	6.15		4.09		6			83.4 T
G121	LW2-G121	40.3	16.2	9.64	5.29		2.58		4.74			78.8 T
G122	LW2-G122	32.7	15.6	9.6	6.11		4.35		5.95			74.3 T
G123	LW2-G123	16.1	19.2	16.8	9.84		5.54		15			82.5 T
G124	LW2-G124	4.82	1.81	2.21	1.63		1.11		2.05			13.6 T
G125	LW2-G125	39.4	19.8	11.6	7.29		3.66		6.4			88.2 T
G126	LW2-G126	0.54	0.01	0.2	0.01		0.14		0			0.9 T
G127	LW2-G127	29.8 T	16.6 T	7.97 T	5.58 T		2.35 T		5.29 T			67.6 T
G128	LW2-G128	17.3	6.25	4.4	2.77		1.82		2.1			34.6 T
G129	LW2-G129	33.9 T	23 T	11 T	8.4 T		5.96 T		7.64 T			89.9 T
G130	LW2-G130	19.5	4.84	2.27	1.43		0.39		2.92			31.4 T
G131	LW2-G131	40.4	21.6	10.6	8.46		5.24		5.67			92 T
G132	LW2-G132	27.1	18.4	8.41	5.07		2.77		6.32			68.1 T
G133	LW2-G133	39.1	16.9	9.54	6.23		2.77		5.88			80.4 T
G134	LW2-G134	38.2	22.3	11.1	8.69		5.1		6.52			91.9 T
G135	LW2-G135	34.9	18.9	9.04	5.99		3.43		7.06			79.3 T
G136	LW2-G136	22.4	16.1	8.59	2.44		3.73		7.13			60.4 T
G137	LW2-G137	31.7	23.3	10.9	8.02		4.57		6.83			85.3 T
G138	LW2-G138	0.63	0.99	0.6	0.69		0.41		0.01			3.33 T
G139	LW2-G139	11.2	7.61	4.28	1.95		1.42		2.26			28.7 T
G140-1	LW2-G140-1	8.32 T	6.98 T	3.5 T	3.23 T		1.99 T		3.41 T			27.4 T
G140-2	LW2-G140-2	5.03	4.09	2.28	1.89		1.14		1.4			15.9 JT
G141	LW2-G141	18.3	12.6	6.38	4.14		2.06		2.56			46 T
G142	LW2-G142	21.5	4.57	2.14	1.2		0.99		1.32			31.7 T
G143	LW2-G143	35	16.9	6.8	4.6		2.45		4.44			70.2 T
G144	LW2-G144	34.3	22.3	11.1	7.35		4.82		6.96			86.8 T
G145	LW2-G145	33.2	21.5	9.76	7.15		3.75		7.47			82.8 T
G146	LW2-G146	1.22 T	2.1 T	2.02 T	1.67 T		1.04 T		1.08 T			9.13 T
G147	LW2-G147	20.2	4.16	1.88	1.14		0.84		1.15			29.4 T
G148	LW2-G148	22.2 T	20.2 T	10.3 T	7.28 T		3.49 T		7.73 T			71.2 T
G149	LW2-G149	13.4	12.6	6.68	5.39		2.9		3.93			44.9 T
G150	LW2-G150	17	19.6	12	11.3		8.36		8.65			76.9 T
G152	LW2-G152	21.1	27.3	13.3	13.1		8.84		7.02			90.7 T
G153	LW2-G153	11.4	12.3	6.44	5.64		2.83		5.41			44 T
G154	LW2-G154	27.6	18.3	10.7	5.99		5.94		7.33			75.9 T
G155	LW2-G155	14.5	22	12.4	9.24		5.76		12.2			76.1 T
G156	LW2-G156	21.6	20.6	11.6	8.6		4.64		7.12			74.2 T
G157	LW2-G157	9.95	11.9	6.73	4.63		2.6		6.66			42.5 T
G158	LW2-G158	28.3	19.4	10.8	8.05		5.4		6.32			78.3 T
G159	LW2-G159	3.16	3.25	2.63	2.05		1.28		2.13			14.5 T
G160	LW2-G160	14.8	11.1	3.83	1.99		1.24		3.01			36 T
G161	LW2-G161	4.54	8.46	6.24	3.64		2.65		3.99			29.5 T
G162	LW2-G162	24.5	19.3	11.1	6.85		4.38		6.64			72.8 T
G163	LW2-G163	0.71	0.42	0.38	0.26		0.11		0.13			2.01 T
G164	LW2-G164	3.31	2.72	2.26	1.61		0.78		0.95			11.6 T
G165	LW2-G165	14.2	18.3	11.9	7.68		5.02		7.3			64.4 T
G166	LW2-G166	13.8	19.1	10.6	4.89		3.2		6.33			57.9 T
G168	LW2-G168	16.6	11.3	5.98	4.73		2.51		5.52			46.6 T
G169	LW2-G169	25.1	21.4	11.4	8.11		4.09		7.51			77.6 T
G170	LW2-G170	11.5	6.26	4.06	2.69		1.68		2.24			28.4 T
G171	LW2-G171	34.4	22.5	12.7	7.49		3.52		5.71			86.3 T
G172	LW2-G172	42.9	18.3	9.46	6.79		2.89		3.79			84.1 T
G173	LW2-G173	41.8	19.9	11.9	7.64		3.48		5.49			90.2 T
G174	LW2-G174	16.1	12.1	7.5	5.35		3.51		6.02			50.6 T
G175	LW2-G175	9.65	11.9	6.2	5.47		3.77		6.44			43.4 T
G176	LW2-G176	1.91	1.47	0.97	0.86		0.46		0.44			6.11 T
G177	LW2-G177	60.2	7.73	4.33	4.53		3.24		3.9			83.9 T
G178	LW2-G178	4.73	4.52	5.97	0.69		1.67		2.5			20.1 T
G179	LW2-G179	6.51	8.35	6.46	5.55		4.52		4.15			35.5 T
G180	LW2-G180	0.75	1.22	1.26	0.98		0.68		0.46			5.35 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G181	LW2-G181	21.8	18.1	9.5	7.45		5.08		6.09			68 T
G182	LW2-G182	3.42 T	2.39 T	1.58 T	1.49 T		0.85 T		0.89 T			10.6 T
G183	LW2-G183	0.27	0.14	0.12	0.21		0.1		0.08			0.92 T
G184	LW2-G184	6.57	4.91	3.21	2.29		1.41		2.69			21.1 T
G185	LW2-G185	5.14	4.28	2.45	2.02		1.31		1.55			16.8 T
G186	LW2-G186	0.88	0.54	0.58	0.47		0.66		0.58			3.71 T
G187	LW2-G187	13.9	11.4	7.06	5.97		3.55		9.48			51.4 T
G188	LW2-G188	25.3	14.5	9.35	6.11		3.99		7.67			66.9 T
G189	LW2-G189	20.7	16.5	8.91	5.36		3.08		4.95			59.5 T
G190	LW2-G190	14.8	7.01	2.99	4.11		2.06		3.02			34 T
G191	LW2-G191	2.26	2.1	1.92	1.5		1.2		1.39			10.4 T
G192	LW2-G192	27	8.68	4.47	3.24		2.43		3.85			49.7 T
G193	LW2-G193	4.66	3.68	1.44	1.94		1.05		1.68			14.5 T
G194	LW2-G194	1.17	1.51	1.37	1.33		0.61		0.48			6.47 T
G195	LW2-G195	16.3	15.1	7.8	7.67		3.8		5.77			56.4 T
G196	LW2-G196	9.76 T	9.58 T	6.57 T	3.39 T		2.35 T		3.71 T			35.4 T
G197-1	LW2-G197-1	11.5	3.74	2.01	1.48		1.06		2.31			22.1 T
G197-2	LW2-G197-2	16.1	8.1	4.37	3.17		1.79		4.47			38 T
G198	LW2-G198	27.6	7.7	3.14	1.85		1.35		2.15			43.8 T
G199	LW2-G199	37.5	10.6	4.97	1.71		1.58		1.89			58.3 T
G200	LW2-G200	10.4	6.72	5.62	1.25		2.19		3.74			29.9 T
G202	LW2-G202	23.1	9.99	6.26	3.62		2.92		3.73			49.6 T
G203-1	LW2-G203-1	37.9 T	18.7 T	9.69 T	4.33 T		3.57 T		4.26 T			78.5 T
G203-2	LW2-G203-2	31.5	13.3	8.71	4.09		3.01		4.29			64.9 T
G204	LW2-G204	21.8	14.9	7.37	4.65		2.41		6.75			57.9 T
G205	LW2-G205	4.37	3.66	2.45	1.77		1.2		1.23			14.7 T
G206	LW2-G206	33.7 JT	9.12 T	4.49 T	3.19 T		2.34 T		4.26 T			57.1 JT
G207	LW2-G207	23.2	16	7.94	2.91		2.24		4.01			56.3 T
G208	LW2-G208	3.64	4.29	3.27	2.27		1.63		2.43			17.5 T
G209	LW2-G209	10.8	1.76	1.17	0.86		0.6		0.93			16.1 T
G210	LW2-G210	17.2	16.1	12.7	7.83		3.75		9.49			67.1 T
G212-1	LW2-G212-1	9.64	12.3	13.1	8.9		3.63		8.39			56 T
G212-2	LW2-G212-2	10.8	14.6	12.2	7.69		3.76		8.74			57.8 T
G213	LW2-G213	11.8	8.73	5.85	3.82		1.89		4.54			36.6 T
G214-1	LW2-G214-1	20.1	11.5	7.84	3.95		2.59		4.49			50.5 T
G215	LW2-G215	12.3	5.79	3.41	3.09		1.73		2.43			28.8 T
G216	LW2-G216	0.26	0.63	0.64	0.68		0.47		0.17			2.85 T
G217	LW2-G217	0.33	0.6	0.45	0.49		0.25		0.16			2.28 T
G218	LW2-G218	6.59	2.28	1.14	1.11		1.13		1.24			13.5 T
G219	LW2-G219	1.9	1.29	1.5	1.01		1.06		1.26			8.02 T
G220	LW2-G220	6.6	10.9	8.61	5.83		3.6		4.83			40.4 T
G221	LW2-G221	3.79	5.83	4.69	3.26		1.73		2.61			21.9 T
G222	LW2-G222	7.03	6.78	4.23	3.6		2.12		2.36			26.1 T
G223	LW2-G223	9.39	12.6	8.98	6.83		4.07		5.84			47.7 T
G224	LW2-G224	9.42	8.27	4.91	4.42		2.32		2.77			32.1 T
G225	LW2-G225	0.85	2.48	2.29	1.72		0.69		0.66			8.69 T
G226	LW2-G226	32.2	14.1	7.14	3.64		2.36		5.36			64.8 T
G227	LW2-G227	1.15	0.78	0.44	0.54		0.33		0.25			3.49 T
G228	LW2-G228	24.2	14.3	7.07	4.61		2.76		5.02			58 T
G229	LW2-G229	17.1	14.4	8.74	6.24		3.92		5.93			56.3 T
G230	LW2-G230	21.8	12.4	6.97	4.67		3.06		5.23			54.1 T
G231	LW2-G231	9.88	3.45	2.48	1.54		1		1.48			19.8 T
G232	LW2-G232	15.3	5.38	3.16	2.22		1.55		2.88			30.5 T
G233	LW2-G233	6.42 T	5.36 T	3.99 T	3.21 T		1.42 T		2.01 T			22.4 T
G234	LW2-G234	0.98	0.73	0.63	0.49		0.46		0.54			3.83 T
G235	LW2-G235	0.08	0.22	0.16	0.02		0.09		0.05			0.62 T
G236	LW2-G236	7.56	3.73	2.21	1.68		0.97		0.81			17 T
G237	LW2-G237	26.5	18.1	10.5	6.81		4.3		6.45			72.7 T
G238	LW2-G238	18	11.5	7.78	7.12		4.63		7.77			56.8 T
G239	LW2-G239	15	7.96	5.01	3.67		1.99		2.68			36.3 T
G240	LW2-G240	31.3	15	6.15	4.43		2.7		4.33			63.9 T
G241	LW2-G241	18.5	13.8	8.07	4.77		3.02		5.65			53.8 T
G242	LW2-G242	24.4	16	6.2	4.08		2.68		3.99			57.4 T
G243	LW2-G243	12.6 T	14.1 T	7.92 T	5.8 T		3.1 T		3.88 T			47.4 T
G244	LW2-G244	18.2	5.6	2.71	2.2		1.75		2.12			32.6 T
G245	LW2-G245	19.5	17.6	8.64	5.4		2.98		6.94			61.1 T
G246	LW2-G246	37.5	19.1	9.4	6.04		4.15		7.1			83.3 T
G247	LW2-G247	15.7	6.44	3.05	1.99		1.02		1.79			30 T
G248	LW2-G248	2.89	5.46	2.67	1.25		0.89		0.29			13.5 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G249	LW2-G249	1.75	2.12	1.55	1.33		0.59		0.64			7.98 T
G250-1	LW2-G250	6.68	1.9	0.92	0.87		0.69		0.98			12 T
G251-1	LW2-G251-1	22.6	15.9	8.29	5.78		3.2		6.67			62.4 T
G251-2	LW2-G251-2	27.6	18.4	9.69	6.15		4.32		7.32			73.5 T
G252	LW2-G252	5.07	6.16	3.99	2.58		1.25		1.4			20.5 T
G253	LW2-G253	0.77	1.38	1.25	1.53		0.85		0.59			6.37 T
G254	LW2-G254	3.73	3.14	1.63	1.29		1.21		1.6			12.6 T
G255	LW2-G255	4.1	4.33	3.3	2.75		1.47		1.34			17.3 T
G256	LW2-G256	2.72	3.68	3.44	2.48		1.03		1.19			14.5 T
G257	LW2-G257	1.15	3.11	0.89	1.03		0.41		0.67			7.26 T
G258	LW2-G258	0.79	1.08	0.95	1.06		0.78		0.59			5.25 T
G259	LW2-G259	17	15	7.95	5.34		3.09		6.54			54.9 T
G260	LW2-G260	0.78	0.62	0.46	0.58		0.25		0.06			2.75 T
G261	LW2-G261	0.51	0.85	0.88	0.97		0.55		0.43			4.19 T
G262	LW2-G262	1.64	2.5	2.37	2.05		1.1		0.96			10.6 T
G263	LW2-G263	16.4	12.3	7.75	7.02		2.26		1.68			47.4 T
G264	LW2-G264	16.7	18.2	12.1	7.74		4.55		10.1			69.4 T
G265	LW2-G265	0.73	1.3	1.48	1.68		0.77		0.46			6.42 T
G266	LW2-G266	3.71	4.23	3.71	2.73		1.91		2.17			18.5 T
G267	LW2-G267	28.2	12.8	7.3	4.26		2.51		5.78			60.9 T
G268	LW2-G268	13.8	8.74	6.22	4.84		3.1		3.8			40.5 T
G269	LW2-G269	13.9 T	22.9 T	15.7 T	13.4 T		9.64 T		7.92 T			83.5 T
G270-1	LW2-G270-1	15.2	16.9	11	7.03		3.65		7.24			61 T
G270-2	LW2-G270-2	19.4	22.2	12.3	8.2		4.01		6.13			72.2 T
G271	LW2-G271	0.38	0.41	0.53	0.58		0.32		0.25			2.47 T
G272	LW2-G272	4.28	7.55	5.94	4.05		1.63		2.28			25.7 T
G273	LW2-G273	18.2 T	15.2 T	10.8 T	5.74 T		4.71 T		6.38 T			61 T
G274	LW2-G274	2.38	1.54	1.12	1.11		1.18		0.7			8.03 T
G275-1	LW2-G275-1	17.2	12.4	7.08	5.95		3.95		5.06			51.6 T
G275-2	LW2-G275-2	19.3	14.5	8.92	5.87		3.83		6.25			58.7 T
G276	LW2-G276	21.4	27.1	16.1	7.27		5.83		10.4			88.1 T
G277	LW2-G277	22.2	15.1	7.55	4.83		2.71		5.64			58 T
G278	LW2-G278	32.2	17.4	10.9	5.5		3.57		6.68			76.3 T
G280	LW2-G280	23.6	18.9	9.71	5.96		3.6		7.1			68.9 T
G281	LW2-G281	0.74	0.89	0.96	0.83		0.56		0.81			4.79 T
G282	LW2-G282	8.62	9.97	6.34	3.41		1.71		1.79			31.8 T
G283	LW2-G283	24.4	13	5.93	3.65		1.8		5.07			53.9 T
G284	LW2-G284	15.3	25.7	16.2	9.74		5.82		10.7			83.5 T
G285	LW2-G285	0.37	0.61	0.57	0.53		0.57		0.43			3.08 T
G287	LW2-G287	2.76 T	5.81 T	5.26 T	3.59 T		1.73 T		2.79 T			21.9 T
G288	LW2-G288	11.5	19.9	16.1	12.6		7.77		9.9			77.8 T
G289	LW2-G289	21.1	23.5	15.2	9.85		5.14		11.6			86.4 T
G290	LW2-G290	7.18	6.81	4.83	3.15		2.21		2.44			26.6 T
G291	LW2-G291	35.9 T	21.9 T	14.9 T	9.13 T		4.85 T		7.59 T			94.3 T
G292	LW2-G292	13.8	9.83	5.86	4.15		2.45		4.81			40.9 T
G293	LW2-G293	23.8	16.3	11.8	6.89		4.7		7.37			70.9 T
G294-1	LW2-G294-1	13.7 T	19.4 T	15.7 T	10.4 T		4.91 T		9.86 T			74 T
G294-2	LW2-G294-2	16.9 T	17.1 T	12.7 T	8.09 T		4.43 T		7.57 T			66.8 T
G295	LW2-G295	27.1 T	20.2 T	10.9 T	6.42 T		3.53 T		6.82 T			75 T
G296	LW2-G296	31.9	20.8	12.1	6.49		3.71		6.01			81 T
G297	LW2-G297	10.9	16.4	10.9	8		5.03		6.62			57.9 T
G298	LW2-G298	10.9	14.2	13.7	8.29		3.84		5.05			56 T
G299	LW2-G299	10.8	16.9	10.5	6.69		5.44		7.49			57.8 T
G300	LW2-G300	0.59	0.69	0.63	0.64		0.42		0.41			3.38 T
G301	LW2-G301	20	10.2	4.67	2.99		2.1		2.97			42.9 T
G302	LW2-G302	11.9	16.8	11.4	8.66		4.11		8.89			61.8 T
G303	LW2-G303	26.3 T	15.5 T	8.17 T	5.03 T		3.52 T		5.93 T			64.5 T
G305	LW2-G305	13.9	20	14.3	9.04		7.24		8.56			73 T
G306	LW2-G306	4.16	4.39	4.6	2.82		1.13		1.43			18.5 T
G307	LW2-G307	24.4	21	12.5	6.39		4.91		6.44			75.6 T
G308	LW2-G308	10.2	9.95	5.27	3.66		2.06		2.98			34.1 T
G309	LW2-G309	18.9	21.2	14	7.77		4.86		8.92			75.7 T
G310	LW2-G310	15.4 T	27.6 T	23.7 T	13.8 T		7.78 T		7.68 T			96 T
G311-1	LW2-G311-1	21 T	16 T	18 T	11.9 T		7.96 T		14.6 T			89.5 T
G311-2	LW2-G311-2	10.5	14.5	6.94	4.55		2.81		4.4			43.7 T
G313	LW2-G313	13.7	23.8	16.3	8.71		4.48		8.43			75.4 T
G314	LW2-G314	27.6	18.2	12.1	7.77		3.93		6.74			76.3 T
G315	LW2-G315	13.5	11.7	6.03	4.9		3.14		4.82			44.1 T
G316	LW2-G316	0.73	0.29	0.14	0.19		0.06		0.02			1.43 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G317	LW2-G317	10.8	9.82	6.09	3.76		1.68		2.23			34.4 T
G318	LW2-G318	11.3	6.2	3.97	2.24		0.94		1.05			25.7 T
G319	LW2-G319	1.26	1.23	1.26	0.96		0.75		0.75			6.21 T
G320	LW2-G320	12	7.5	3.89	2.69		1.25		1.76			29.1 T
G321	LW2-G321	17.1	8.96	4.68	2.97		1.06		3.34			38.1 T
G322	LW2-G322	16	12.4	9.67	5.43		2.35		2.63			48.5 T
G323	LW2-G323	4.81	2.02	1.03	0.72		0.47		0.52			9.57 T
G324-1	LW2-G324-1	0.57	0.64	0.47	0.49		0.39		0.59			3.15 T
G324-2	LW2-G324-2	2.09	1.75	1.2	1.23		0.76		0.51			7.54 T
G325	LW2-G325	10.6	7.41	5.36	3.32		1.68		1.78			30.2 T
G326	LW2-G326	11.1	11.4	8.86	5.14		3.31		7.04			46.9 T
G327	LW2-G327	15.4	7.67	3.89	2.79		1.5		2.35			33.6 T
G328	LW2-G328	1.3	1.27	1.21	1.03		0.63		0.64			6.08 T
G329	LW2-G329	2.26	2.79	1.56	1.48		0.83		0.8			9.72 T
G330	LW2-G330	8.88	38.9	12	7.46		2.59		4.26			74.1 T
G331	LW2-G331	1.13	0.49	0.31	0.23		0.22		0.11			2.49 T
G332	LW2-G332	22.2	19	13.4	14		8.73		4.38			81.7 T
G333	LW2-G333	12.9	5.53	3.52	2.71		1.08		1.62			27.4 T
G334	LW2-G334	25.7	15.3	8.49	4.79		2.57		3.72			60.6 T
G335	LW2-G335	4.62	2.29	0.84	0.68		0.29		0.5			9.22 T
G336	LW2-G336	10.6	4.75	2.41	1.97		0.86		1.01			21.6 T
G337	LW2-G337	35.7	17	9.02	5.53		3.45		4.9			75.6 T
G338	LW2-G338	33.8	21	9.78	6.11		2.93		5.97			79.6 T
G339	LW2-G339	32.1	20	9.06	4.67		2.98		4.95			73.8 T
G340	LW2-G340	20	11.7	5.32	4.75		2.23		3.57			47.6 T
G341	LW2-G341	37.8	18	10.2	5.66		2.65		4.82			79.1 T
G342	LW2-G342	31.9	21.2	9.99	5.35		3.45		4.92			76.8 T
G343	LW2-G343	35.6	15.8	8.13	5.84		2.84		4.78			73 T
G344	LW2-G344	40.2	19.5	10.9	6.38		3.6		6.99			87.6 T
G345-1	LW2-G345-1	36.9 T	21.9 T	9.83 T	5.67 T		3.39 T		5.08 T			82.8 T
G345-2	LW2-G345-2	36.4	21.3	8.78	5.35		2.85		4.46			79.1 T
G346	LW2-G346	24.2	23.6	13.1	4.97		3.62		5.39			74.9 T
G347	LW2-G347	27.2	22	11	6.64		3.73		5.62			76.2 T
G348	LW2-G348	26	11.9	4.13	2.33		1.37		2.64			48.4 T
G349	LW2-G349	17.8	20.1	15.5	16.5		10.9		8.38			89.2 T
G350	LW2-G350	31.9	12.2	7.69	5.21		2.2		3.78			63 T
G351	LW2-G351	29 T	20.4 T	9.67 T	5.99 T		2.97 T		5.15 T			73.2 T
G351-2	LW2-G351-2	32 T	16.1 T	9.18 T	4.18 T		2.5 T		3.96 T			67.9 T
G352	LW2-G352	21.5	13.5	6.02	4.63		2.77		4.77			53.2 T
G353-1	LW2-G353-1	8.69	38.4	11.6	6.44		4.14		6.77			76 T
G353-2	LW2-G353-2	9.44	38.2	10.8	5.91		3.58		6.08			74 T
G354	LW2-G354	35.8 T	16.7 T	9.02 T	5.61 T		3.93 T		7.56 T			78.6 T
G355	LW2-G355	9.32	3.63	2.15	1.52		0.796		1.54			19 T
G356	LW2-G356	55.9	16.7	9.21	3.35		2.17		3.37			90.7 T
G357	LW2-G357	16.1	8.78	4.73	3.01		1.78		4.46			38.9 T
G358	LW2-G358	42.2	18.4	12.3	5.54		3.36		7.09			88.9 T
G359	LW2-G359	51	18	9.43	3.94		2.24		5.11			89.7 T
G360	LW2-G360	18.9	19.9	10.1	5.28		3.35		5.34			62.9 T
G361	LW2-G361	39.7	15.9	10.9	5.57		2.99		5.13			80.2 T
G362-1	LW2-G362-1	41.5 T	23.7 T	10.4 T	4.29 T		2.11 T		5.22 T			87.2 T
G362-2	LW2-G362-2	42.8	25.5	11.3	5.12		2.16		5.67			92.6 T
G363	LW2-G363	31.3 T	19.1 T	3.89 T	10.4 T		2.76 T		4.96 T			72.4 T
G364	LW2-G364	29.7	14.6	13.2	4.7		2.7		4.81			69.7 T
G365	LW2-G365	11.1	11.1	8.8	6.76		4.3		8.77			50.8 T
G366	LW2-G366	23.6	21.5	12.8	6.78		3.68		13.9			82.3 T
G367	LW2-G367	4.77	2.91	2.71	2.42		1.81		3.23			17.9 T
G368	LW2-G368	19.4	28	17.3	6.81		3.98		12			87.5 T
G369	LW2-G369	57.8	12	6.34	4.03		2.71		2.75			85.6 T
G370	LW2-G370	19.5 T	17.2 T	12.1 T	8.28 T		4.91 T		7.79 T			69.8 T
G371	LW2-G371	44.6	8.46	2.54	1.86		0.78		4.28			62.5 T
G372-1	LW2-G372-1	14.1 JT	22.2 T	18.9 T	14.3 T		7.3 T		10.8 T			87.6 JT
G372-2	LW2-G372-2	13.8	23	19.9	15.5		7.76		10.9			90.9 T
G373	LW2-G373	10.6	41.1	9.4	6.37		3.23		4.19			74.9 T
G374	LW2-G374	41.2	17.7	9.76	4.52		3.3		6.77			83.3 T
G375	LW2-G375	25.2	28.7	14.3	8.08		5.25		9.98			91.5 T
G376	LW2-G376	11.7	22.5	19.2	11.6		6.26		12.7			84 T
G377	LW2-G377	3.41	1.66	0.76	0.64		0.42		1.01			7.9 T
G378	LW2-G378	26.3	17.8	10.3	5.53		4.1		4.73			68.8 T
G379	LW2-G379	8.19	19.1	21.8	13.8		11.8		15.6			90.3 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G380	LW2-G380	1.53	1.05	0.68	1.18		0.78		0.72			5.94 T
G381	LW2-G381	12.6	24	17	12.6		9.37		8.7			84.3 T
G382	LW2-G382	15.1	20.1	15.3	11.4		6.83		8.01			76.7 T
G383	LW2-G383	0.54	0.47	0.44	0.3		0.29		0.01			2.05 T
G384-1	LW2-G384-1	3.02 T	26.4 T	22.2 T	23 T		15.8 T		10.9 T			101 T
G384-2	LW2-G384-2	7.91	29.8	16.7	16.3		12.4		8.95			92.1 T
G385	LW2-G385	7.76	17.7	17.6	9.92		7.64		12.6			73.2 T
G386	LW2-G386	19.7	11.3	5.85	3.8		2.62		4.29			47.6 T
G387	LW2-G387	6.65	47.1	13	8.7		4.69		5.92			86.1 T
G388	LW2-G388	0.84	0.43	0.32	0.32		0.35		0.43			2.69 T
G389	LW2-G389	39.4	17	7.24	3.15		2.5		9.08			78.4 T
G390	LW2-G390	1.61	30.4	17.6	13.9		8.98		10.5			83 T
G391	LW2-G391	31.7	23.5	12.6	7.4		4.43		7.4			87 T
G392	LW2-G392	29.9	16.9	9.85	5.54		4.21		4.35			70.8 T
G393	LW2-G393	8.47	16.9	13.8	10.8		7.39		6.72			64.1 T
G394	LW2-G394	13.7	0	27.5	7.26		4		9.8			62.3 T
G395	LW2-G395	23.5 T	12 T	5.98 T	3.71 T		2.52 T		4.62 T			52.3 T
G396	LW2-G396	32.4	15.6	9.2	5.34		3.36		8.32			74.2 T
G397	LW2-G397	6.26	18.3	19.8	21.4		10.6		16.6			93 T
G398	LW2-G398	35.4	17.4	14.2	8.78		4.65		7.62			88.1 T
G399	LW2-G399	18	0.8	7.11	1.72		1.15		1.65			30.4 T
G400	LW2-G400	31	9.25	5.4	2.94		1.88		3.52			54 T
G401	LW2-G401	26.4	18.2	8.28	4.01		2.45		2.96			62.3 T
G402	LW2-G402	8.3	14.7	14.1	12.6		8		9.32			67 T
G403	LW2-G403	1.17	1.08	0.56	0.58		0.36		0.32			4.07 T
G404	LW2-G404	35.4	18.6	9.12	4.66		3.01		4.5			75.3 T
G405	LW2-G405	0.83	0.68	0.54	0.51		0.35		0.28			3.19 T
G406	LW2-G406	22.9	13	7.28	4.32		3.44		4.56			55.5 T
G407	LW2-G407	25.8 T	17.8 T	8.62 T	5.05 T		2.78 T		4.29 T			64.3 T
G408	LW2-G408	9.4	16.5	12.2	11.8		8.43		9.1			67.4 T
G409	LW2-G409	18.9	15.8	10.7	4.71		3.46		5.77			59.3 T
G410-1	LW2-G410-1	34.6	21.7	13.7	7.34		4.51		6.25			88.1 T
G410-2	LW2-G410-2	22.1	26.7	15.3	8.98		4.81		5.29			83.2 T
G411	LW2-G411	2.56	0.81	0.41	0.38		0.47		0.17			4.8 T
G412	LW2-G412	24.9	21.4	10	7.74		3.48		7.31			74.8 T
G413	LW2-G413	1.63	0.93	0.6	0.53		0.49		0.32			4.5 T
G414	LW2-G414	29.5	20.5	11.3	6.32		4.54		4.64			76.8 T
G415	LW2-G415	7.57	9.24	9.6	10.2		6.33		8.5			51.4 T
G416	LW2-G416	12.3	19.7	16.7	11.4		9.09		13.3			82.5 T
G417	LW2-G417	11.6	3.07	1.72	1.59		0.99		1.8			20.8 T
G418	LW2-G418	38.1	22.6	11.3	6.22		3.59		6.01			87.8 T
G419	LW2-G419	34.4	23.1	9.05	5.73		3.5		5.63			81.4 T
G420	LW2-G420	31.1	12	7.47	4.17		2.62		2.66			60 T
G421	LW2-G421	10	14.4	13.5	10.8		8.14		11			67.8 T
G422	LW2-G422	21.5	17.1	9.29	4.64		3.04		4.93			60.5 T
G423	LW2-G423	33.8	25.1	12.5	6.68		4.86		4.83			87.8 T
G424	LW2-G424	27.4	14.4	8.7	4.17		3.28		5.91			63.9 T
G425	LW2-G425	0.61	0.51	0.33	0.22		0.53		0.14			2.34 T
G426	LW2-G426	15.1	15.8	10.8	10.3		7.11		8.65			67.8 T
G427	LW2-G427	24.2	19	11.5	6.42		3.75		4.3			69.2 T
G428	LW2-G428	47.3	10.6	5.9	4.61		3.55		3.92			75.9 T
G429	LW2-G429	26.7	13.2	5.58	3.44		3.02		3.75			55.7 T
G430	LW2-G430	0.22	0.11	0.03	0.19		0.13		0.1			0.78 T
G431	LW2-G431	15.4	16.3	9.04	5.91		4.15		6.86			57.7 T
G432	LW2-G432	19.1	10.3	4.52	2.79		1.94		3.33			42 T
G433-1	LW2-G433-1	21.3	16.3	8.41	6.07		3.47		6.35			61.9 T
G433-2	LW2-G433-2	23.2	15	8.05	5.76		3.55		5.78			61.3 T
G434	LW2-G434	12.9	5.77	2.54	2.56		0		1.67			25.4 T
G435	LW2-G435	53	9.52	4.75	4.33		2.49		4.81			78.9 T
G436	LW2-G436	2.99	1.53	0.73	0.45		0.37		0.39			6.46 T
G437	LW2-G437	29.1	12.6	4.9	2.88		1.8		2.93			54.2 T
G438	LW2-G438	6.43	3.64	2.11	1.49		1.06		1.53			16.3 T
G439	LW2-G439	18.6	10.5	6.48	3.12		3.73		1.85			44.3 T
G440	LW2-G440	26.6	20.1	10.9	6.01		3.77		5.21			72.6 T
G441	LW2-G441	26.8	17.9	9.04	4.49		2.47		5.02			65.7 T
G442	LW2-G442	19.5	12.6	6.87	4.42		2.99		4.42			50.8 T
G443	LW2-G443	41.1 T	13.1 T	6.63 T	4.03 T		1.89 T		2.43 T			69.2 T
G444	LW2-G444	43.3	22.2	11.2	4.56		2.12		5.93			89.3 T
G445	LW2-G445	18.7	19.8	13.7	8.47		3.2		7.51			71.4 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G446	LW2-G446	5.26	1.92	1.03	0.87		0.75		0.77			10.6 T
G447	LW2-G447	18	24	15.2	6.95		4.04		6.98			75.2 T
G448	LW2-G448	0	40.7	14.1	7.36		3.99		5.24			71.4 T
G449	LW2-G449	51.6	17.5	9.74	4.16		3.42		4.75			91.2 T
G450-1	LW2-G450-1	38.9	22.8	12.5	7.38		3.59		7.58			92.8 T
G450-2	LW2-G450-2	47.7	20	11.9	5.97		2.33		6.93			94.8 T
G451	LW2-G451	15.8	7.3	4.66	2.56		1.73		3.87			35.9 T
G452	LW2-G452	48	18.2	10.1	4.37		4.13		3.73			88.5 T
G453	LW2-G453	19.2	15.9	8.73	6.42		4.09		9.96			64.3 T
G454	LW2-G454	0.98	0.56	0.4	0.26		0.1		0.13			2.43 T
G455	LW2-G455	5.16	2.07	0.74	0.55		0.38		0.65			9.55 T
G456	LW2-G456	15.8	10.6	5.44	3.3		2.18		3.6			40.9 T
G457	LW2-G457	24.8	15.5	9.24	5.72		2.97		4.14			62.4 T
G458	LW2-G458	55.7	16.4	8.26	3.73		2.95		3.6			90.6 T
G459	LW2-G459	4.1	1.28	1.04	0.7		0.73		0.73			8.58 T
G460	LW2-G460	47.8	15.4	8.74	5.21		2.91		4.01			84.1 T
G461	LW2-G461	31	21.1	12.1	5.98		3.84		5.92			79.9 T
G462	LW2-G462	41.7	16.7	12	6.89		4.08		5.44			86.8 T
G463	LW2-G463	22.7	5.55	4.33	1.2		1.74		2.84			38.4 T
G464	LW2-G464	35.2	20.2	12.7	6.66		4.04		7.69			86.5 T
G465	LW2-G465	6.65	3.35	2.13	1.23		0.97		1.23			15.6 T
G466	LW2-G466	25.2	13	9.24	6.8		2.91		3.24			60.4 T
G467	LW2-G467	2.15	1.46	0.86	0.67		0.48		0.45			6.07 T
G468	LW2-G468	23.3	26.3	11.9	6.23		4.14		5.62			77.5 T
G469	LW2-G469	35.7	20.5	11.4	6.17		3.69		6.94			84.4 T
G470	LW2-G470	24.9	12.4	6.15	5.63		3.19		5.71			58 T
G471	LW2-G471	38.1	14.1	8.69	5.73		3.15		3.65			73.4 T
G472	LW2-G472	12.8	4.21	2.48	2.15		1.59		2.61			25.8 T
G473	LW2-G473	21 T	21.6 T	11.1 T	5.59 T		3.56 T		4.82 T			67.7 T
G474	LW2-G474	33.5	20.7	11.9	6.79		3.68		6.82			83.4 T
G475-1	LW2-G475-1	30.2 T	10.6 T	7.34 T	3.96 T		2.05 T		2.82 T			57 T
G475-2	LW2-G475-2	40.8	8.02	4.89	2.54		1.45		1.48			59.2 T
G476	LW2-G476	14.4	6.63	4.19	2.64		1.7		3.22			32.8 T
G477	LW2-G477	15.1	8.93	3.84	2.72		1.96		2.16			34.7 T
G478	LW2-G478	25.3	5.08	8.37	5.46		2.82		2.91			49.9 T
G479	LW2-G479	25	14.1	11.9	7.11		5.1		6.48			69.7 T
G480	LW2-G480	3.41	1.98	1.33	0.97		0.65		1.11			9.45 T
G481	LW2-G481	10.6	11.9	18.2	2.86		2.37		3.1			49 T
G482	LW2-G482	22.1	16	16	10.1		7.01		9.3			80.5 T
G483	LW2-G483	25.2	6.35	7.75	4.19		2.05		2.45			48 T
G484	LW2-G484	34.9	15.5	7.07	5.05		4.27		4.86			71.7 T
G485	LW2-G485	14.4	8.62	7.97	4.78		3.27		4.98			44 T
G486	LW2-G486	23.6	11.3	8.35	5.72		2.94		3.38			55.3 T
G487	LW2-G487	0.35	0.28	0.26	0.28		0.04		0.14			1.35 T
G488	LW2-G488	25.4	15.6	13.6	7.78		4.01		5.8			72.2 T
G489	LW2-G489	40.7 T	15.6 T	8.07 T	3.74 T		1.99 T		2.71 T			72.8 T
G490	LW2-G490	32	17.7	7.77	4.9		4.13		5.82			72.3 T
G491	LW2-G491	28.6	19.2	2.3	4.84		3.27		3.57			61.8 T
G492-1	LW2-G492-1	50.2 T	15.8 T	6.36 T	4.58 T		1.51 T		3.81 T			82.3 T
G492-2	LW2-G492-2	47.8	18.1	7.1	3.89		2.89		4.18			84 T
G493	LW2-G493	36.8 T	22 T	10.4 T	4.72 T		3.21 T		4.12 T			81.3 T
G494	LW2-G494	43.3	9.46	2.62	1.49		1.37		2.14			60.4 T
G495	LW2-G495	29.4	19	13.6	7.08		5.03		5.68			79.8 T
G496	LW2-G496	2.5	1	2.79	1.02		0.72		0.73			8.76 T
G497	LW2-G497	44.2	15.5	6.06	3.37		1.89		3.41			74.4 T
G498	LW2-G498	23.3	15.5	1.16	3.54		2.89		4.3			50.7 T
G499	LW2-G499	22.6	17.9	9.35	5.48		3.24		4.29			62.9 T
G500	LW2-G500	12.9	5.24	2.98	2.63		1.64		2.15			27.5 T
G501	LW2-G501	23.1	17.1	14.1	6.13		3.75		3.95			68.1 T
G502	LW2-G502	0.86	0.54	0.44	0.4		0.28		0.31			2.83 T
G503	LW2-G503	1.25	0.27	1.14	0.48		0.35		0.39			3.88 T
G504	LW2-G504	20.4	14.6	9.38	7.49		4.09		5.32			61.3 T
G505	LW2-G505	0.09	0.28	0.11	0.24		0.04		0.16			0.92 T
G506	LW2-G506	13.3	8.96	5.32	3.27		2.13		4.38			37.4 T
G507	LW2-G507	11.8	9.74	3.18	2.92		1.57		2.93			32.1 T
G508	LW2-G508	0.29	0.18	0.29	0.04		0.08		0.06			0.94 T
G509	LW2-G509	20.8	15.1	5.89	4.11		2.32		4.01			52.2 T
G510	LW2-G510	39.1	15.5	10.1	5.55		3.58		4.57			78.4 T
G511	LW2-G511	21.1	11.9	5.15	4.04		2.37		3.36			47.9 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
G512	LW2-G512	13.1	6.17	10.3	2.45		1.04		1.26			34.3 T
G513	LW2-G513	13.4	7.03	8.57	3.24		2.29		3.39			37.9 T
G514	LW2-G514	38.8	19.9	10.6	5.57		3.18		4.72			82.8 T
G515	LW2-G515	36.7	27.6	6.22	5.91		4.1		5.1			85.6 T
G516	LW2-G516	8.19	5.09	6.66	2.01		1.51		2.26			25.7 T
G517	LW2-G517	28.2	10.3	4.79	2.66		2.41		4.32			52.7 T
G518	LW2-G518	14.8	7.42	4.69	2.71		1.87		3.06			34.6 T
G519-1	LW2-G519-1	32.8	21.3	10.8	7.44		4.86		7.56			84.8 T
G519-2	LW2-G519-2	35.7	21.8	10.6	7.39		6.1		6.43			88 T
G520	LW2-G520	30.1	20.2	12	7.11		2.67		3.56			75.6 T
G521	LW2-G521	17.1	17.9	11.6	8.13		4.61		7.46			66.8 T
BT001	LW2-GBT001	16.7	8.15	5.01	3.25		1.24		4.63			39 T
BT002	LW2-GBT002	5.49	5.19	3.32	1.75		0.79		1.11			17.7 T
BT003	LW2-GBT003	3.38	2.58	2.03	1.73		1.44		1.68			12.8 T
BT004	LW2-GBT004	0.67	0.74	0.61	0.52		0.25		0.66			3.45 T
BT005	LW2-GBT005	7.61	9.2	4.8	2.96		1.34		2.12			28 T
BT0061	LW2-GBT006-1	3.33	4.58	3.12	1.82		0.73		0.7			14.3 T
BT0062	LW2-GBT006-2	11.5 T	7.4 T	4.26 T	3.25 T		1.02 T		2.27 T			29.7 T
BT007	LW2-GBT007	1.01 T	1.21 T	1.34 T	1.12 T		1 T		1.22 T			6.9 T
BT008	LW2-GBT008	15.1	25.4	18.2	17.6		8.41		8.77			93.5 T
BT009	LW2-GBT009	37	10.4	5.17	3.8		2.21		3.78			62.4 T
BT010	LW2-GBT010	9.8	9.71	6.73	5.28		1.5		4.29			37.3 T
BT011	LW2-GBT011	32.5	11.7	5.94	4.15		2.49		4.03			60.8 T
BT012	LW2-GBT012	18.1	16.3	8.92	7.6		2.97		7.6			61.5 T
BT013	LW2-GBT013	9.5	3.26	1.49	1.67		1.68		3.14			20.7 T
BT014	LW2-GBT014	17.3	17.1	10.2	6.35		3.33		6.51			60.8 T
BT015	LW2-GBT015	23 T	25.9 T	15.2 T	7.89 T		3.69 T		5.15 T			80.8 T
BT016	LW2-GBT016	27.7	24.4	12	6.87		4.86		8.03			83.9 T
BT017	LW2-GBT017	13.7	9.28	6.49	3.84		2.57		3.39			39.3 T
BT018	LW2-GBT018	23.8	23.9	14	6.81		2.51		6.77			77.8 T
BT019	LW2-GBT019	26.8	16.5	9.08	5.17		2		2.77			62.3 T
BT020	LW2-GBT020	19.7 T	16.9 T	7 T	2.96 T		1.09 T		3.14 T			50.8 T
BT021	LW2-GBT021	16.4	10	5.93	2.94		2.52		3.84			41.6 T
BT022	LW2-GBT022	39.3	20.3	10	9.23		6		6.28			91.1 T
BT023	LW2-GBT023	33.1	22.7	15.6	9.11		4.02		7.1			91.6 T
BT024	LW2-GBT024	20.1	10.7	6.58	2.79		0.39		7.44			48 T
BT025	LW2-GBT025	21.9 T	17.5 T	12.5 T	5.74 T		5.21 JT		7.24 JT			70.1 JT
BT026	LW2-GBT026	11.5	12.3	14.2	5.89		5.95		7.3			57.1 T
BT0271	LW2-GBT027-1	12.8	5.67	3.14	2.42		1.29		1.69			27 T
BT0272	LW2-GBT027-2	18.3 T	6.04 T	3.45 T	2.13 T		1.22 T		2 T			33.1 T
BT028	LW2-GBT028	40.6	16.4	9.68	5.06		2.51		3.98			78.2 T
BT029	LW2-GBT029	16.6	10.9	7.55	8.38		3.31		5.73			52.5 T
BT030	LW2-GBT030	9.67	16.8	10.2	6.17		2.98		5.93			51.8 T
BT031	LW2-GBT031	13.8	5.99	3.37	2.7		1.17		2.1			29.1 T
BT032	LW2-GBT032	26.9	5.9	2.03	1.31		0.48		1.48			38.1 T
BT033	LW2-GBT033	36.5	23.7	9.37	5.89		2.55		5.98			84 T
U1C-1	LW2-U1C-1	0.9	0.77	0.84	0.74		0.75		0.71			4.71 T
U1C-2	LW2-U1C-2	0.803 T	0.523 T	0.713 T	0.613 T		0.52 T		0.777 T			3.95 T
U1C-3	LW2-U1C-3	2.12	0.83	0.95	0.73		0.69		1.09			6.41 T
U2C-1	LW2-U2C-1	9.38	4.29	2.29	1.6		1.8		2.71			22.1 T
U2C-2	LW2-U2C-2	9.76	4.98	2.86	2.22		1.72		2.66			24.2 T
U2C-3	LW2-U2C-3	4.15	1.67	1.07	1		1.09		1.23			10.2 T
U3C-1	LW2-U3C-1	6.17	4.28	2.39	2.18		1.35		1.14			17.5 T
U3C-2	LW2-U3C-2	12.2	6.27	3.16	2.56		1.56		2.1			27.9 T
U3C-3	LW2-U3C-3	7.04	4.18	2.28	2.16		1.11		1.08			17.9 T
U4Q-1	LW2-U4Q-1	33	12.6	4.47	3.49		2.25		3.21			59 T
U4Q-2	LW2-U4Q-2	27.4	9.6	3.34	2.45		1.98		3.03			47.8 T
U4Q-3	LW2-U4Q-3	29.4	11.7	3.77	1.93		2.01		3.19			52 T
U5Q-1	LW2-U5Q-1	1.39	0.73	0.35	0.48		0.34		0.79			4.08 T
U5Q-2	LW2-U5Q-2	2.22	0.61	0.19	0.49		0.28		0.57			4.36 T
U5Q-3	LW2-U5Q-3	2.13 T	0.733 T	0.417 T	0.56 T		0.48 T		0.89 T			5.21 T
U6TOC-1	LW2-U6TOC-1	10.3	10.8	8.26	5.96		3.6		3.76			42.7 T
U6TOC-2	LW2-U6TOC-2	4.6	24.2	21.2	21.9		13.5		13			98.4 T
U6TOC-3	LW2-U6TOC-3	8.58	25.5	21.4	16.4		9.05		11.5			92.4 T
02R001	LWG0102R001SDS015C00	15.7	13.3	9.89	4.43		1.66	1.35		1.64		48 T
02R015	LWG0102R015SDS015C00	6.13	2.4	2.15	1.4		0.51	0.41		0.45		13.5 T
03B030	LWG0103B030SDS015C00	0.67	0.02	0.02	0.04		0.02	0.01 U		0.04		0.81 T
03B031	LWG0103B031SDS015C00	5.17	3.12	3.12	1.34		0.82	0.7		1.58		15.9 T
03B033	LWG0103B033SDS015C00	2.09	0.83	0.83	0.15		0.07	0.05		0.12		4.14 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
03R001	LWG0103R001SDS015C00	2.95	3	2.36	2.18		1.21	0.82		0.87		13.4 T
03R002	LWG0103R002SDS015C00	24.9	15.4	9.26	4.97		2.99	2.61		4.09		64.2 T
03R003	LWG0103R003SDS015C10	5.33 T	3.78 T	2.07 T	2 T		1.27 T	1.08 T		1.29 T		16.8 T
03R003	LWG0103R003SDS015C20	5	2.8	2.04	1.33		1.1	0.96		0.91		14.1 T
03R003	LWG0103R003SDS015C31	1.57 T	1.81 T	1.42 T	0.89 T		0.66 T	0.52 T		0.51 T		7.38 T
03R004	LWG0103R004SDS015C11	11.2 T	8.29 T	5.46 T	3.6 T		2.16 T	1.83 T		2.29 T		34.8 T
03R004	LWG0103R004SDS015C20	4.52	3.07	1.91	1.36		1.02	0.87		0.96		13.7 T
03R004	LWG0103R004SDS015C30	8.99	5.8	2.88	1.91		1.29	0.99		1.14		23 T
03R005	LWG0103R005SDS015C00	5.31	4.3	4.41	3.11		2	1.33		0.87		21.3 T
03R032	LWG0103R032SDS015C00	16.8	11	7.21	3.99		2.64	1.96		2.43		46 T
03R034	LWG0103R034SDS015C00	0.25	0.69	0.57	0.4		0.27	0.17		0.13		2.48 T
03R040	LWG0103R040SDS015C00	15.5	12.4	7.82	5.77		2.88	1.76		2.62		48.8 T
03R041	LWG0103R041SDS015C00	25.5	21.9	14.2	10		4.83	3.19		5.07		84.7 T
04B023	LWG0104B023SDS015C00	0.01 U	0.57	0.57	0.2		0.14	0.03		0.18		1.69 T
04B024	LWG0104B024SDS015C00	0.32	0.27	0.27	0.15		0.05	0.04		0.1		1.2 T
04R002	LWG0104R002SDS015C00	5.53	8.61	7.17	4.82		2.51	2.22		3.7		34.6 T
04R003	LWG0104R003SDS015C00	4.1	1.62	4.58	2.24		1.03	0.79		1.1		15.5 T
04R004	LWG0104R004SDS015C00	13.7	4.88	4.58	2.39		0.9	0.58		0.68		27.7 T
05B018	LWG0105B018SDS015C00	4.75	2.36	2.36	1.1		0.68	0.59		1.34		13.2 T
05B019	LWG0105B019SDS015C00	0.52	0.01 U	0.01 U	0.02		0.01 U	0.01 U		0.01		0.55 T
05R001	LWG0105R001SDS015C00	2.52	1.34	1.14	0.91		0.78	0.65		0.55		7.89 T
05R003	LWG0105R003SDS015C00	16.1	4.3	1.32	1		0.8	0.61		0.58		24.7 T
05R020	LWG0105R020SDS015C00	18.3	10.3	6.32	3.87		2.42	2.26		2.92		46.4 T
05R040	LWG0105R040SDS015C00	10.1	10.6	10.5	6.86		0.11	2.73		2.18		43.1 T
05R041	LWG0105R041SDS015C00	8.14	11.6	9.13	6.8		3.33	2.08		3.11		44.2 T
06B022	LWG0106B022SDS015C00	0.81	0.32	0.25	0.16		0.06	0.05		0.09		1.74 T
06B025	LWG0106B025SDS015C00	0.01 U	0.23	0.19	0.1		0.08	0.06		0.15		0.81 T
06B026	LWG0106B026SDS015C00	0.47	0.08	0.14	0.02		0.02	0.05		0.09		0.87 T
06B029	LWG0106B029SDS015C00	1.36	0.82	0.55	0.33		0.22	0.2		0.24		3.72 T
06B030	LWG0106B030SDS015C00	1.44	1.02	0.69	0.42		0.32	0.25		0.29		4.43 T
06R001	LWG0106R001SDS015C00	33.1	13.9	6.75	3.59		1.71	0.01 U		2.59		61.6 T
06R002	LWG0106R002SDS015C10	3.86 T	4.61 T	2.94 T	2.25 T		1.03 T	0.723 T		0.78 T		16.2 T
06R002	LWG0106R002SDS015C20	2.98	2.25	1.52	1.35		0.92	0.49		0.32		9.83 T
06R002	LWG0106R002SDS015C31	1.95 T	1.79 T	1.48 T	1.51 T		0.88 T	0.465 T		0.405 T		8.48 T
06R004	LWG0106R004SDS015C00	2.76	0.79	0.53	0.51		0.44	0.32		0.38		5.73 T
06R031	LWG0106R031SDS015C00	14.8	10.6	6.45	4.11		2.13	1.53		2.17		41.8 T
06R040	LWG0106R040SDS015C00	4.62	1.23	1.52	0.95		0.57	0.81		0.43		10.1 T
07B022	LWG0107B022SDS015C00	5.23	0.56	0.44	0.24		0.13	0.24		0.22		7.06 T
07B023	LWG0107B023SDS015C00	1.18	0.58	0.58	0.4		0.4	0.14		0.34		3.62 T
07B024	LWG0107B024SDS015C00	0.635 T	0.19 T	0.19 T	0.15 T		0.07 T	0.05 T		0.127 T		1.41 T
07R003	LWG0107R003SDS015C00	35	8.85	3.11	1.83		1.18	1.2		1.14		52.3 T
07R004	LWG0107R004SDS015C00	4.38	3.03	2.07	1.27		0.61	0.58		0.17		12.1 T
07R006	LWG0107R006SDS015C00	15.4	11.6	6.16	3.71		2.05	2.63		1.27		42.8 T
07R030	LWG0107R030SDS015C00	13.6	2.83	1.01	0.75		0.53	0.44		0.94		20.1 T
07R040	LWG0107R040SDS015C00	25.9	23	10.8	8.78		4.39	2.81		3.95		79.6 T
08B032	LWG0108B032SDS015C00	4.76	3.27	3.27	2.16		1.7	1.23		2.91		19.3 T
08R001	LWG0108R001SDS015C00	31.8	17.2	8.87	4.46		2.07	1.55		1.66		67.6 T
08R002	LWG0108R002SDS015C00	5.52	4.32	2.85	1.74		1.01	0.71		0.74		16.9 T
08R003	LWG0108R003SDS015C00	7.74	3.73	2.55	1.27		1.06	0.58		0.61		17.5 T
08R040	LWG0108R040SDS015C00	10.8	7.41	9.64	6.72		2.75	1.22		2.04		40.6 T
08R041	LWG0108R041SDS015C00	35.4	17.6	9.04	5.79		2.81	1.64		2.45		74.7 T
09B024	LWG0109B024SDS015C00	3.86	1.17	1.17	0.4		0.26	0.24		0.31		7.41 T
09B026	LWG0109B026SDS015C00	0.01 U	0.1	0.1	0.05		0.04	0.02		0.06		0.37 T
09B027	LWG0109B027SDS015C10	3.32 T	2.57 T	1.51 T	1.12 T		0.81 T	0.683 T		0.693 T		10.7 T
09B027	LWG0109B027SDS015C20	3.66	3.03	1.8	1.37		1.03	0.79		0.76		12.4 T
09B027	LWG0109B027SDS015C31	5.05 T	2.87 T	1.39 T	1.17 T		0.81 T	0.61 T		0.555 T		12.5 T
09B028	LWG0109B028SDS015C00	1.81	0.59	0.3	0.24		0.14	0.15		0.13		3.36 T
09R001	LWG0109R001SDS015C10	2.61 T	3.33 T	2 T	1.66 T		1.12 T	0.74 T		0.71 T		12.2 T
09R001	LWG0109R001SDS015C20	5.04	3.65	2.19	1.69		1.16	0.73		0.77		15.2 T
09R001	LWG0109R001SDS015C31	9.49 T	6.82 T	4.49 T	3.35 T		2.14 T	1.26 T		1.46 T		29 T
09R002	LWG0109R002SDS015C00	36.2	13.8	6.2	2.68		0.92	0.4		0.85		61.1 T
09R040	LWG0109R040SDS015C00	20.3	16.9	11.1	7.95		3.46	2.06		3.48		65.3 T
09R041	LWG0109R041SDS015C00	18	6.32	2.35	1.53		1.39	0.73		1.19		31.5 T
AP02APG	LWG2-PG-AP2A	1.14	1	0.41	0.18		0.46		0.43			3.62 T
AP02DPG	LWG2-PG-AP2D	25.1	21.5	11.3	6.13		3.34		8			75.4 T
AP04CPG	LWG2-PG-AP4C	24.7	22.9	11.3	7.07		3.32		7.3			76.6 T
AP04CPG2	LWG2-PG-AP4C-2	21.2	25.1	11.6	8.1		3.8		8.15			78 T
AR02APG	LWG2-PG-AR2A	19.7	16.2	13.9	9.16		5.15		10.7			74.8 T
CP07APG	LWG2-PG-CP7A	8.83 T	8.31 T	5.69 T	3.15 T		1.79 T		5.51 T			33.3 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
CP07DPG	LWG2-PG-CP7D	11.2	25.4	20.8	12.1		4.34		20.9			94.7 T
CP09APG	LWG2-PG-CP9A	12.6	9.43	4.7	2.87		1.83		5.6			37 T
CP09DPG	LWG2-PG-CP9D	14.2	30.2	19.1	9.62		5.19		12.6			90.9 T
EM02APG	LWG2-PG-EM2A	9	9.13	7.21	6.5		2.81		8.17			42.8 T
EM03APG	LWG2-PG-EM3A	0.49	0.94	0.65	0.29		0.37		0.43			3.17 T
GN01EPG	LWG2-PG-GN1E	18 T	16.4 T	14.9 T	10.9 T		6.6 T		15 T			81.8 T
GN02EPG	LWG2-PG-GN2E	13.7	19.5	17.5	11.2		6.79		15.8			84.5 T
GN05APG	LWG2-PG-GN5A	10.2	15.8	17.7	6.81		2.17		4.48			57.2 T
GN05APG2	LWG2-PG-GN5A-2	15.7	20.3	16	6.37		3.31		5.84			67.5 T
GS04APG	LWG2-PG-GS4A	10.9	9.43	5.37	4.13		1.98		3.87			35.7 T
GS04APG2	LWG2-PG-GS4A-2	9.74 T	8.2 T	3.1 T	1.98 T		1.35 T		2.88 T			27.3 T
GS07BPG	LWG2-PG-GS7B	9.15	7.4	3.81	2.36		1.66		3.03			27.4 T
GS07DPG	LWG2-PG-GS7D	16.5	17.5	10.2	7.82		4.54		6.36			62.9 T
KM08APG	LWG2-PG-KM8A	0.25	0.14	0	0.05		0.04		0.32			0.8 T
R2AP02PG	LWG2-PG-R2AP2	21.5	24.4	11	7.17		3.52		6.71			74.3 T
R2AR01PG	LWG2-PG-R2AR1	0.11	0.03	0.02	0.07		0.07		0.11			0.41 T
R2AR01G2	LWG2-PG-R2AR1-2	0.01	0.03	0.01	0.13		0.03		0.15			0.36 T
R2AR02PG	LWG2-PG-R2AR2	4.96 T	1.85 T	0.893 T	0.8 T		0.363 T		0.58 T			9.45 T
R2AR04PG	LWG2-PG-R2AR4	0.6	0.37	0.31	0.39		0.13		0.29			2.09 T
R2GN01PG	LWG2-PG-R2GN1	20.7	13.8	8.81	5.83		3.55		5.48			58.2 T
R2KM2PG	LWG2-PG-R2KM2	21.2	27	14.7	8.94		5.72		9.94			87.5 T
R2RP03PG	LWG2-PG-R2RP3	0.13	0.18	0.11	0.04		0.18		0.03			0.67 T
RP03CPG	LWG2-PG-RP3C	9.3	9.11	5.29	4.12		1.69		3.08			32.6 T
RP07BPG	LWG2-PG-RP7B	22	14	8.67	6.36		2.96		5.03			59 T
SL02APG	LWG2-PG-SL2A	17.4	20.1	13.3	7.66		4.28		8.79			71.5 T
SL02EPG	LWG2-PG-SL2E	10.4	3.88	20.1	7.09		4.94		6.77			53.2 T
SL03FPG	LWG2-PG-SL3F	17.5	20.5	12.5	8.31		4.65		6.4			69.9 T
SL04APG	LWG2-PG-SL4A	4.44	4.77	3.32	2.09		1.31		2.08			18 T
SL04FPG	LWG2-PG-SL4F	10.4	11	7.48	5.19		2.35		3.57			40 T
SL05APG	LWG2-PG-SL5A	12	10.7	5.4	3.29		2.28		4.08			37.8 T
W09APG	LWG2-PG-W9A	25.4	21.5	11	6.94		3.58		10.6			79 T
W09CPG	LWG2-PG-W9C	21.7	24	12	7.68		4.63		6.03			76 T
NA-2B	NA-2B-0031	26.4	24.9	16.2	7.63		5.04		9.33			89.5 T
NA-3B	NA-3B-0034	45.4	13.5	5.04	3.65		1.9		3.31			72.8 T
NA-4B	NA-4B-0024	9.18	25.1	19.9	16.3		10.5		14.6			95.6 T
DM-1	PSYD&M97DM01DM01					79.8 E					17.3	97.1
DM-9	PSYD&M97DM09DM09T					87 E					9.5	96.5
DM-16	PSYD&M97DM16DM16					83.2 E					14.4	97.6
DM-21	PSYD&M97DM21DM21					8.4					1.4	9.8
DM-22	PSYD&M97DM22DM22					91.4					5.1	96.5
PSY01	PSYSEA98PSY01PSY01S					6.7					1.4	8.1 T
PSY03	PSYSEA98PSY03PSY03S					5.6					1.1	6.7 T
PSY04	PSYSEA98PSY04PSY04S					73.2					24.4	97.6 T
PSY05	PSYSEA98PSY05PSY05S					66.6					20.8	87.4 T
PSY06	PSYSEA98PSY06PSY06S					1.4					0.2	1.6 T
PSY07	PSYSEA98PSY07PSY07S					65.3					24.2	89.5 T
PSY08	PSYSEA98PSY08PSY08S					26.8 T					3.55 T	30.4 T
PSY08	PSYSEA98PSY08PSY52S					41.7					4.4	46.1 T
PSY08	PSYSEA98PSY08PSY53S					14.6					3	17.6 T
PSY10	PSYSEA98PSY10PSY10S					74.6					19.8	94.4 T
PSY11	PSYSEA98PSY11PSY11S					72					17	89 T
PSY12	PSYSEA98PSY12PSY12S					7.9					2.1	10 T
PSY14	PSYSEA98PSY14PSY14S					73.9					21.2	95.1 T
PSY15	PSYSEA98PSY15PSY15S					75.7					11.4	87.1 T
PSY16	PSYSEA98PSY16PSY16S					79					18.8	97.8 T
PSY17	PSYSEA98PSY17PSY17S					75					19.8	94.8 T
PSY18	PSYSEA98PSY18PSY18S					42.7					8.7	51.4 T
PSY19	PSYSEA98PSY19PSY19S					78.6					19	97.6 T
PSY20	PSYSEA98PSY20PSY20S					78.1					19.9	98 T
PSY21	PSYSEA98PSY21PSY21S					77.7					13.1	90.8 T
PSY22	PSYSEA98PSY22PSY22S					81.9					13.6	95.5 T
PSY23	PSYSEA98PSY23PSY23S					83.3					20	103 T
PSY24	PSYSEA98PSY24PSY24S					83.4					10.3	93.7 T
PSY25	PSYSEA98PSY25PSY25S					84.7					11.7	96.4 T
PSY26	PSYSEA98PSY26PSY26S					20.3					4.5	24.8 T
PSY27C	PSYSEA98PSY27CY27A01					2.65					1.18	3.78
PSY27	PSYSEA98PSY27PSY27S					18.49					6.7	25.2 T
PSY28	PSYSEA98PSY28PSY28S					4.3					1.4	5.7 T
PSY29	PSYSEA98PSY29PSY29S					72.21					13.5	85.7 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
PSY30C	PSYSEA98PSY30CY30A01					80.93					9.78	90.68
PSY30	PSYSEA98PSY30PSY30S					82					4.79	86.8 T
PSY31	PSYSEA98PSY31PSY31S					87.45					8.85	96.3 T
PSY32	PSYSEA98PSY32PSY32S					82.68					9.35	92 T
PSY33	PSYSEA98PSY33PSY33S					85.7					6.9	92.6 T
PSY34	PSYSEA98PSY34PSY34S					86.4					8.8	95.2 T
PSY35	PSYSEA98PSY35PSY35S					84.24					4.79	89 T
PSY36	PSYSEA98PSY36PSY36S					84.4					6.07	90.5 T
PSY37	PSYSEA98PSY37PSY37S					85.17					8.73	93.9 T
PSY38	PSYSEA98PSY38PSY38S					78.84					5.58	84.4 T
PSY39	PSYSEA98PSY39PSY39S					50.02					2.92	52.9 T
PSY40	PSYSEA98PSY40PSY40S					37.2					2.65	39.9 T
PSY41	PSYSEA98PSY41PSY41S					70.08					3.98	74.1 T
PSY42	PSYSEA98PSY42PSY42S					32.24					1.65	33.9 T
PSY43	PSYSEA98PSY43PSY43S					55.9					3.78	59.7 T
PSY44	PSYSEA98PSY44PSY44S					65.24					6.08	71.3 T
PSY45	PSYSEA98PSY45PSY45S					82.49					4.17	86.7 T
PSY46	PSYSEA98PSY46PSY46S					68.37					3.53	71.9 T
PSY47	PSYSEA98PSY47PSY47S					64.13					5.7	69.8 T
PSY48	PSYSEA98PSY48PSY48S					64.41					2.8	67.2 T
PSY49	PSYSEA98PSY49PSY49S					58.36					8.99	67.4 T
PSY50	PSYSEA98PSY50PSY50S					47.42					3.93	51.4 T
PSY70	PSYSEA98PSY70PSY70S					62.2					5.7	67.9 T
PSY71	PSYSEA98PSY71PSY71S					61.9					8.9	70.8 T
PSY72	PSYSEA98PSY72PSY72S					46.1 T					5.75 T	51.9 T
PSY72	PSYSEA98PSY72PSY74S					41.4					3.9	45.3 T
PSY72	PSYSEA98PSY72PSY75S					35					3.1	38.1 T
PSY76	PSYSEA98PSY76PSY76S					46.1					7.8	53.9 T
PSY77	PSYSEA98PSY77PSY77S					54					4.9	58.9 T
REFC	PSYSEA98REFCSY60SC					3.4					0.5	3.9 T
REFF	PSYSEA98REFFSY61SF					87					11.2	98.2 T
REFM	PSYSEA98REFMSY62SM					32.5					4	36.5 T
SED10	RIEDEL97SED10D100.5											93.5
SED12	RIEDEL97SED12D120.5											70.1
REF	TOSCO99REFSDO6					19.3					73.9	93.2
LPSG-S-001-R-1	WLCASF97S001W4159	35	19.6	11.3	6.8		3.8	2.8		5.1		84.4 T
LPSG-S-002-R-1	WLCASF97S002W4158	30.4	21.5	13.5	8.7		4.4	3.4		5.4		87.3 T
LPSG-S-003-R-1	WLCASF97S003W4157	21.4	22.4	15.7	11.6		4.1	4.4		7.8		87.4 T
LPSG-S-004-R-1	WLCASF97S004W4156	29.9	16.5	7.7	4.3		2.3	1.8		3.2		65.7 T
LPSG-S-005-R-1	WLCASF97S005W4155	17.1	8.2	4.3	2.6		1.4	1.3		1.7		36.6 T
LPSG-S-006-R-1	WLCASF97S006W4154	33.6	16.7	9.9	6		3.3	2.5		4.3		76.3 T
LPSG-S-007-R-1	WLCASF97S007W4153	17.4	25.5	22.2	11.5		5.5	3.7		6.7		92.5 T
LPSG-S-008-R-1	WLCASF97S008W4152	11.7	17.2	14	7.7		4.3	3.3		6.8		65 T
LPSG-S-009-R-1	WLCASF97S009W4172	26.5	20.2	14.7	9		4.9	4.2		7.3		86.8 T
LPSG-S-010-R-1	WLCASF97S010W4171	18.3	23	17.6	10.5		5.2	4.5		8.7		87.8 T
LPSG-S-011-R-1	WLCASF97S011W4170	24.9	22.8	15.7	8.3		5.3	4.3		7.2		88.5 T
LPSG-S-012-R-1	WLCASF97S012W4168	32.8	19.9	12.8	7		4.1	3.3		5.8		85.7 T
LPSG-S-012-R-1	WLCASF97S012W4169	23.1	22.4	17	10		6.5	4.5		7.7		91.2 T
LPSG-S-013-R-1	WLCASF97S013W4167	23.6	21.1	14.5	7.5		3.7	3		10.3		83.7 T
LPSG-S-014-R-1	WLCASF97S014W4166	18.9	23.4	16	8.7		5.3	4		11.4		87.7 T
LPSG-S-016-R-1	WLCASF97S016W4150	24.5	17.3	11.8	6.7		4.1	3.5		7.6		75.5 T
LPSG-S-017-R-1	WLCASF97S017W4149	22.2	13	8	4.9		2.4	2.1		3.6		56.2 T
LPSG-S-018-R-1	WLCASF97S018W4160	1.4	1.9	1.4	1.2		0.6	0.4		0.6		7.5 T
LPSG-S-019-R-1	WLCASF97S019W4148	9.5	4.8	3.6	2.5		1.4	1.1		2		24.9 T
LPSG-S-020-R-1	WLCASF97S020W4147	0.7	0.8	0.6	0.6		0.3	0.3		0.3		3.6 T
LPSG-S-021-R-1	WLCASF97S021W4146	17	12.8	11.4	7.9		4.2	2.8		5.5		61.6 T
LPSG-S-022-R-1	WLCASF97S022W4145	21.9	14.1	9.7	6.8		3.7	2.9		5		64.1 T
LPSG-S-023-R-1	WLCASF97S023W4144	26	12.2	9	6.5		3.6	3		5.6		65.9 T
LPSG-S-024-R-1	WLCASF97S024W4143	18.6	13.8	9.1	5.9		3.6	2.6		5.5		59.1 T
LPSG-S-025-R-1	WLCASF97S025W4142	26.7	14.7	12.3	8.7		4.6	3.7		6.4		77.1 T
LPSG-S-026-R-1	WLCASF97S026W4141	30.2	19.5	12.1	7.9		4	3.3		5.9		82.9 T
LPSG-S-027-R-1	WLCASF97S027W4140	23.1	18.3	14.1	9.1		4.8	3.5		5.3		78.2 T
LPSG-S-028-R-1	WLCASF97S028W4139	20.9	17.1	11.8	8.3		4.8	3.5		6.2		72.6 T
LPSG-S-029-R-1	WLCASF97S029W4138	33.8	19.2	13.6	8.2		4.9	3.5		5.8		89 T
LPSG-S-030-R-1	WLCASF97S030W4137	33.4	17.9	11.7	7.2		4.6	2.7		4.7		82.2 T
LPSG-S-045-R-1	WLCASF97S045W4161	21.1	15.6	10.9	8.4		4.1	3.4		5.5		69 T
LPSG-S-045-R-1	WLCASF97S045W4162	18.2	14.8	11	7.6		4.4	3		5.1		64.1 T
LPSG-S-046-R-1	WLCASF97S046W4163	23	11.3	6.9	5.7		2.9	2.5		3.7		56 T
LPSG-S-047-R-1	WLCASF97S047W4164	20.8	10.1	6.6	4.4		2.9	2.2		3.7		50.7 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
LPSG-S-048-R-1	WLCASF97S048W4165	3.3	2.1	1.7	1.3		1.2	0.7		1.1		11.4 T
WR-PG-01	WLCDRD05PG00101					81.4					16	97.4 T
WR-PG-02	WLCDRD05PG00202					84.5					15.8	100 T
WR-PG-03	WLCDRD05PG00303					78.6					14.9	93.5 T
WR-PG-04	WLCDRD05PG00404					50.6					8.79	59.4 T
WR-PG-06	WLCDRD05PG00606					72.3					12.1	84.4 T
WR-PG-12	WLCDRD05PG01212					70.2					14.1	84.3 T
WR-PG-14	WLCDRD05PG01414					78.4					16.7	95.1 T
WR-PG-15	WLCDRD05PG01515					65					12.9	77.9 T
WR-PG-16	WLCDRD05PG01616					53.3					10.7	64 T
WR-PG-17	WLCDRD05PG01717					66.6					12.1	78.7 T
WR-PG-18	WLCDRD05PG01818					60.5					9.6	70.1 T
WR-PG-19	WLCDRD05PG01919					70.2					13.8	84 T
WR-PG-21	WLCDRD05PG02121					40.7					7.99	48.7 T
WR-PG-22	WLCDRD05PG02222					80.4					11.7	92.1 T
WR-PG-23	WLCDRD05PG02323					36					7.21	43.2 T
WR-PG-24	WLCDRD05PG02424					65.1					11.4	76.5 T
WR-PG-26	WLCDRD05PG02626					1.39					0.46	1.85 T
WR-PG-27	WLCDRD05PG02727					3.14					1.01	4.15 T
WR-PG-29	WLCDRD05PG02929					71.7					13.5	85.2 T
WR-PG-30	WLCDRD05PG03030					52					8.44	60.4 T
WR-PG-33	WLCDRD05PG03333					25.6					2.56	28.2 T
WR-PG-34	WLCDRD05PG03434					82.2					13	95.2 T
WR-PG-35	WLCDRD05PG03535					62					6.01	68 T
WR-PG-36	WLCDRD05PG03636					39					7.03	46 T
WR-PG-37	WLCDRD05PG03737					61.1					7.93	69 T
WR-PG-39	WLCDRD05PG03939					59.4					6.18	65.6 T
WR-PG-41	WLCDRD05PG04141					39.3					4.73	44 T
WR-PG-42	WLCDRD05PG04242					39					12.1	51.1 T
WR-PG-43	WLCDRD05PG04343					71.8					8.41	80.2 T
WR-PG-45	WLCDRD05PG04545					63.3					8.5	71.8 T
WR-PG-47	WLCDRD05PG04747					67.9					7.93	75.8 T
WR-PG-48	WLCDRD05PG04848					63.1					12.5	75.6 T
WR-PG-50	WLCDRD05PG05050					72.4					15.4	87.8 T
WR-PG-52	WLCDRD05PG05252					51					10.5	61.5 T
WR-PG-54	WLCDRD05PG05454					73.3					12.7	86 T
WR-PG-56	WLCDRD05PG05656					47.9					8.05	56 T
WR-PG-58	WLCDRD05PG05858					35.2					8.15	43.4 T
WR-PG-60	WLCDRD05PG06060					61.4					17.2	78.6 T
WR-PG-61	WLCDRD05PG06161					47					5.03	52 T
WR-PG-62	WLCDRD05PG06262					67.9					10.3	78.2 T
WR-PG-63	WLCDRD05PG06363					25.2					4.08	29.3 T
WR-PG-64	WLCDRD05PG06464					83.4					5.62	89 T
WR-PG-66	WLCDRD05PG06666					77.3					18.5	95.8 T
WR-PG-68	WLCDRD05PG06868					83.2					15.7	98.9 T
WR-PG-70	WLCDRD05PG07070					83.6					9.58	93.2 T
WR-PG-72	WLCDRD05PG07272					84.7					11.1	95.8 T
WR-PG-74	WLCDRD05PG07474					74.7					14	88.7 T
WR-PG-76	WLCDRD05PG07676					78.2					12.3	90.5 T
WR-PG-78	WLCDRD05PG07878					78.4					11.5	89.9 T
WR-PG-80	WLCDRD05PG08080					75.8					11.2	87 T
WR-PG-82	WLCDRD05PG08282					62					10	72 T
WR-PG-84	WLCDRD05PG08484					78.22					7.71	85.9 T
WR-PG-86	WLCDRD05PG08686					84.7					10.1	94.8 T
WR-PG-88	WLCDRD05PG08888					86.6					9.41	96 T
WR-PG-90	WLCDRD05PG09090					84.8					6.09	90.9 T
WR-PG-92	WLCDRD05PG09292					80.3					6.92	87.2 T
WR-PG-94	WLCDRD05PG09494					79.7					6.5	86.2 T
WR-PG-96	WLCDRD05PG09696					80.4					5.83	86.2 T
WR-PG-98	WLCDRD05PG09898					83.7					7.33	91 T
WR-PG-100	WLCDRD05PG100100					80.5					6.96	87.5 T
WR-PG-102	WLCDRD05PG102102					73.3					6.62	79.9 T
WR-PG-104	WLCDRD05PG104104					77.7					7.74	85.4 T
WR-PG-106	WLCDRD05PG106106					70.6					7.01	77.6 T
WR-PG-108	WLCDRD05PG108108					18.2					2.87	21.1 T
WR-PG-112	WLCDRD05PG112112					71.5					10.4	81.9 T
WR-PG-114	WLCDRD05PG114114					65.5					9.8	75.3 T
WR-PG-116	WLCDRD05PG116116					74.3					10.7	85 T
WR-PG-118	WLCDRD05PG118118					73.8					9.47	83.3 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
WR-PG-120	WLCDRD05PG120120					86.4					10.5	96.9 T
WR-PG-122	WLCDRD05PG122122					70.1					9.22	79.3 T
WR-PG-124	WLCDRD05PG124124					59.1					7.06	66.2 T
WR-PG-126	WLCDRD05PG126126					29.2					5.4	34.6 T
WR-PG-128	WLCDRD05PG128128					56					7.76	63.8 T
WR-PG-130	WLCDRD05PG130130					36.6					8.57	45.2 T
WR-PG-132	WLCDRD05PG132132					60.8					9.09	69.9 T
WR-PG-134	WLCDRD05PG134134					31.1					5.01	36.1 T
WR-PG-45	WLCDRD05PG135135Dup					62.3					9.35	71.7 T
WR-PG-39	WLCDRD05PG136136Dup					62.3					6.44	68.7 T
WR-PG-27	WLCDRD05PG137137Dup					3.15					1.19	4.34 T
WR-PG-48	WLCDRD05PG138138Dup					61					12.7	73.7 T
WR-PG-36	WLCDRD05PG139139Dup					3.94					7.18	11.1 T
WR-PG-01	WLCDRD05PG141141Dup					81					15.4	96.4 T
WR-PG-Ref01	WLCDRD05PGR01Ref01					11.2					3.06	14.3 T
WR-PG-Ref02	WLCDRD05PGR02Ref02					12.1					4	16.1 T
WR-PG-Ref03	WLCDRD05PGR03Ref03					48.9					8.82	57.7 T
REFSAMP	WLCGAF00EFSAMPGACREF					65.3					6.17	71.5 T
GAC-001	WLCGAF00GAC001GAC001					58.3					4.32	62.6 T
GAC-002	WLCGAF00GAC002GAC002					63.7					6.11	69.8 T
GAC-003	WLCGAF00GAC003GAC003					60.9					6.05	67 T
GAC-004	WLCGAF00GAC004GAC004					68.2					4.69	72.9 T
GAC-005	WLCGAF00GAC005GAC005					63.3					5.72	69 T
S1	WLCGXV99S1S1_10	41.6	9	3	3		0	12		0		68.6 T
S2	WLCGXV99S2S2_10	51.3	6.7	6.7	6.7		0	6.7		0		78.1 T
S3	WLCGXV99S3S3_10	20.6	8.6	12.9	4.3		12.9	4.3		0		63.6 T
S4	WLCGXV99S4S4_10	24.3	9.1	4.5	9.1		4.5	9.1		4.5		65.1 T
SD11	WLCITH98SD11SD11					39.5					11.8	51.3 T
SD12	WLCITH98SD12SD12					27.2					9	36.2 T
SED01-01	WLCMBA01ED0101ED0101											42.8
SED01-02	WLCMBA01ED0102ED0102											2.7
SED01-03	WLCMBA01ED0103ED0103											93
SED01-04	WLCMBA01ED0104ED0104											91.4
SED01-05	WLCMBA01ED0105ED0105											92.1
SED01-06	WLCMBA01ED0106ED0106											82.7
SED01-07	WLCMBA01ED0107ED0107											82.8
SED01-08	WLCMBA01ED0108ED0108											5.7
SED01-09	WLCMBA01ED0109ED0109											50.2
SED01-10	WLCMBA01ED0110ED0110											4.1
SED01-11	WLCMBA01ED0111ED0111											5.1
SED01-12	WLCMBA01ED0112ED0112											17.8
SED01-13	WLCMBA01ED0113ED0113											87.1
SED01-14	WLCMBA01ED0114ED0114											8.9
SED01-15	WLCMBA01ED0115ED0115											7.8
SED01-16	WLCMBA01ED0116ED0116											0
SED01-17	WLCMBA01ED0117ED0117											3.2
SED01-18	WLCMBA01ED0118ED0118											79.7
SED01-19	WLCMBA01ED0119ED0119											15.2
SED01-20	WLCMBA01ED0120ED0120											74.7
SED01-21	WLCMBA01ED0121ED0121											11.8
SED01-22	WLCMBA01ED0122ED0122											22.2
SED01-23	WLCMBA01ED0123ED0123											76.9
SED01-24	WLCMBA01ED0124ED0124											34.1
SED01-25	WLCMBA01ED0125ED0125											21.4
SED01-26	WLCMBA01ED0126ED0126											65.6
SED01-27	WLCMBA01ED0127ED0127											79.7
SED01-28	WLCMBA01ED0128ED0128											91.2
SED01-29	WLCMBA01ED0129ED0129											93.3
SED01-30	WLCMBA01ED0130ED0130											21
SED099-01	WLCMBJ99D09901D09901											12.31
SED099-02	WLCMBJ99D09902D09902											14.78
SED099-03	WLCMBJ99D09903D09903											16.85
SED099-04	WLCMBJ99D09904D09904											1.13
SED099-05	WLCMBJ99D09905D09905											0
SED099-06	WLCMBJ99D09906D09906											0.82
SED099-07	WLCMBJ99D09907D09907											0.18
SED099-08	WLCMBJ99D09908D09908											9.02
SED099-09	WLCMBJ99D09909D09909											0.08
SED099-10	WLCMBJ99D09910D09910											0.09

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
SED099-11	WLCMBJ99D09911D09911											0.06
SED099-12	WLCMBJ99D09912D09912											1.61
SED099-13	WLCMBJ99D09913D09913											0.08
SED099-14	WLCMBJ99D09914D09914											0.06
SED099-15	WLCMBJ99D09915D09915											12.8
SED099-16	WLCMBJ99D09916D09916											4.2
SED099-17	WLCMBJ99D09917D09917											3.49
SED099-18	WLCMBJ99D09918D09918											0
SED099-19	WLCMBJ99D09919D09919											0.38
SED099-20	WLCMBJ99D09920D09920											5.73
SED099-21	WLCMBJ99D09921D09921											11.32
SED099-22	WLCMBJ99D09922D09922											1.86
SED099-23	WLCMBJ99D09923D09923											4.71
SED099-24	WLCMBJ99D09924D09924											0
SED099-25	WLCMBJ99D09925D09925											7.32
SED099-26	WLCMBJ99D09926D09926											10.33
SED099-27	WLCMBJ99D09927D09927											11.29
SED099-28	WLCMBJ99D09928D09928											0
SED099-29	WLCMBJ99D09929D09929											3.47
SED099-30	WLCMBJ99D09930D09930											12.75
SED099-31	WLCMBJ99D09931D09931											10.53
SED099-32	WLCMBJ99D09932D09932											12.06
SED099-33	WLCMBJ99D09933D09933											0.1
SED099-34	WLCMBJ99D09934D09934											13.43
SED099-35	WLCMBJ99D09935D09935											3.8
SED099-36	WLCMBJ99D09936D09936											5.92
SED099-37	WLCMBJ99D09937D09937											0.06
SED099-38	WLCMBJ99D09938D09938											11.32
SED099-39	WLCMBJ99D09939D09939											5.24
SED099-40	WLCMBJ99D09940D09940											2.42
SED099-41	WLCMBJ99D09941D09941											0.28
SED099-42	WLCMBJ99D09942D09942											0.46
SED099-43	WLCMBJ99D09943D09943											1.05
CS004	WLCMRI02CS004CS004					69.9					13.2	83.1 T
CS005	WLCMRI02CS005CS005					64.6					19.5	84.1 T
RB01	WLCOSJ00RB01SD0001					7.15					0.253	7.4 T
RB02	WLCOSJ00RB02SD0002					6.55					0	6.55 T
RB03	WLCOSJ00RB03SD0003					7.08					0.03	7.11 T
RB04	WLCOSJ00RB04SD0004					7.99					0.05	8.04 T
RB04	WLCOSJ00RB04SD0014					2.67					0.23	2.9 T
RB05	WLCOSJ00RB05SD0005					6.43					0.05	6.48 T
RB06	WLCOSJ00RB06SD0006					7.16					0.04	7.2 T
RB06	WLCOSJ00RB06SD0007					8.51					0	8.51 T
RB07	WLCOSJ00RB07SD0008					6.41					0.17	6.58 T
RB08	WLCOSJ00RB08SD0009					4.71					3.07	7.78 T
RB09	WLCOSJ00RB09SD0010					7.6					0.08	7.68 T
RB10	WLCOSJ00RB10SD0011					6.99					0	6.99 T
RB11	WLCOSJ00RB11SD0012					7.77					0	7.77 T
RB12	WLCOSJ00RB12SD0013					6.65					0	6.65 T
SVS18COMP	WLCRIJ9918COMP18COMP					36.9					16.7	53.6 T
CZ01	WLCRIJ99CZ01CZ01					61.7					26.9	88.6 T
CZ02	WLCRIJ99CZ02CZ02					63.4					29.6	93 T
CZ03	WLCRIJ99CZ03CZ03					82.2					26	108 T
CZ03	WLCRIJ99CZ03CZ031					68.9					26.9	95.8 T
CZ04	WLCRIJ99CZ04CZ04					59.1					33.8	92.9 T
CZ05	WLCRIJ99CZ05CZ05					71.2					32.1	103 T
CZ06	WLCRIJ99CZ06CZ06					68.8					35.3	104 T
CZ07	WLCRIJ99CZ07CZ07					64.1					29.9	94 T
CZ08	WLCRIJ99CZ08CZ08					61					31.4	92.4 T
SVS18R1	WLCRIJ99VS18R1VS18R1					66.7					22.6	89.3 T
SVS18R2	WLCRIJ99VS18R2VS18R2					55.7					13	68.7 T
HC-REFA	WLCRIL99HCREFAHCREFA					2					1	3 T
HC-REFB	WLCRIL99HCREFBHCREFB					68 T					17 T	85 T
HC-REFC	WLCRIL99HCREFCHCREFC					29					6	35 T
HC-REFD	WLCRIL99HCREFDHCREFD					18					5	23 T
HC-SS02	WLCRIL99HCSS02HCSS02					27.5 T					4 T	31.5 T
HC-SS03	WLCRIL99HCSS03HCSS03					19					2	21 T
HC-SS04	WLCRIL99HCSS04HCSS04					4					5	9 T
HC-SS05	WLCRIL99HCSS05CSS100					35					14	49 T

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
HC-SS05	WLCRIL99HCSS05HCSS05					33 T					16.5 T	49.5 T
HC-SS06	WLCRIL99HCSS06HCSS06					62					36	98 T
HC-SS07	WLCRIL99HCSS07HCSS07					76					18	94 T
HC-SS08	WLCRIL99HCSS08HCSS08					68					31	99 T
HC-SS09	WLCRIL99HCSS09HCSS09					67					23	90 T
HC-SS10	WLCRIL99HCSS10HCSS10					75					23	98 T
HC-SS11	WLCRIL99HCSS11HCSS11					30					14	44 T
HC-SS12	WLCRIL99HCSS12HCSS12					27					16	43 T
HC-SS13	WLCRIL99HCSS13HCSS13					43					25	68 T
HC-SS14	WLCRIL99HCSS14HCSS14					60					37	97 T
HC-SS15	WLCRIL99HCSS15CSS102					65					30	95 T
HC-SS15	WLCRIL99HCSS15HCSS15					60					36	96 T
HC-SS16	WLCRIL99HCSS16HCSS16					62					17	79 T
HC-SS17	WLCRIL99HCSS17HCSS17					51					33	84 T
HC-SS18	WLCRIL99HCSS18HCSS18					58					13	71 T
HC-SS19	WLCRIL99HCSS19HCSS19					34					10	44 T
HC-SS20	WLCRIL99HCSS20HCSS20					20					1	21 T
HC-SS22	WLCRIL99HCSS22HCSS22					43					10	53 T
HC-SS23	WLCRIL99HCSS23HCSS23					32					5	37 T
HC-SS24	WLCRIL99HCSS24HCSS24					27					4	31 T
HC-SS25	WLCRIL99HCSS25HCSS25					19					5	24 T
HC-SS26	WLCRIL99HCSS26HCSS26					43					12	55 T
HC-SS28	WLCRIL99HCSS28HCSS28					26					10	36 T
HC-SS29	WLCRIL99HCSS29HCSS29					6					1	7 T
HC-SS30	WLCRIL99HCSS30HCSS30					7					2	9 T
HC-SS31	WLCRIL99HCSS31HCSS31					2					2	4 T
HC-SS32	WLCRIL99HCSS32CSS103					34					7	41 T
HC-SS32	WLCRIL99HCSS32HCSS32					34.5 T					7 T	41.5 T
HC-SS33	WLCRIL99HCSS33HCSS33					10					2	12 T
HC-SS34	WLCRIL99HCSS34CSS101					69					17	86 T
HC-SS34	WLCRIL99HCSS34HCSS34					71					15	86 T
PA01	WLCRIV99PA01PA01					72.8					30.3	103 T
PA02	WLCRIV99PA02PA02					73.4					13	86.4 T
PA03	WLCRIV99PA03PA03					16.4					2.82	19.2 T
PA04	WLCRIV99PA04PA04					35					3.3	38.3 T
T1S-01	WLCT1F00T1S01T1S01					55					6.99	62
T1S-02	WLCT1F00T1S02T1S02					62.8					3.44	66.2
T1S-03	WLCT1F00T1S03T1S03					52.4					5.64	58
T1S-04	WLCT1F00T1S04T1S04					51.5					6.66	58.2
T1S-05	WLCT1F00T1S05T1S05					54.5					3.22	57.7
T1S-06	WLCT1F00T1S06T1S06					62.6					4.22	66.8
T1S-07	WLCT1F00T1S07T1S07					31.4					2.04	33.4
T1S-08	WLCT1F00T1S08T1S08					58.7					3.73	62.4
T1S-09	WLCT1F00T1S09T1S09					24.9					1.94	26.8
HC-REF-B	WLCT4J98HCREFBHCREFB					73.6					25.5	99.1
HC-REF-C	WLCT4J98HCREFCHCREFC					16.6					3.2	19.8
HC-S-01	WLCT4J98HCS01HCS01					65					15.8	80.8
HC-S-02	WLCT4J98HCS02HCS02					33.1					12.1	45.2
HC-S-04	WLCT4J98HCS04HCS04					66.6					15	81.6
HC-S-05	WLCT4J98HCS05HCS05					45.8					14.6	60.4
HC-S-07	WLCT4J98HCS07HCS07					68.3					18.8	87.1
HC-S-08	WLCT4J98HCS08HCS08					73.7					20.7	94.4
HC-S-11	WLCT4J98HCS11HCS11					69.8					16.8	86.6
HC-S-13	WLCT4J98HCS13HCS13					46.4					14.4	60.8
HC-S-16	WLCT4J98HCS16HCS16					55.3					15.1	70.4
HC-S-19	WLCT4J98HCS19HCS19					24.4					7.5	31.9
HC-S-22	WLCT4J98HCS22HCS22					46.9					14.1	61
HC-S-24	WLCT4J98HCS24HCS24					30.4					10.4	40.8
HC-S-26	WLCT4J98HCS26HCS26					17.4					5.7	23.1
HC-S-28	WLCT4J98HCS28HCS28					65					19	84
HC-S-30	WLCT4J98HCS30HCS30					30.6					10.2	40.8
HC-S-32	WLCT4J98HCS32HCS32					38.6					17.6	56.2
HC-S-34	WLCT4J98HCS34HCS34					47.2					14.5	61.7
HC-S-35	WLCT4J98HCS35HCS35					50.2					14.3	64.5
HC-S-36	WLCT4J98HCS36HCS36					17.1					6.3	23.4
HC-S-39	WLCT4J98HCS39HCS39					69.4					15.7	85.1
HC-S-42	WLCT4J98HCS42HCS42					78.3					14.6	92.9
HC-S-44	WLCT4J98HCS44HCS44					72					16.8	88.8
CD01	WLLRSI01CD01CD01											89.9

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
CD02	WLLRSI01CD02CD02											51.1
CD03	WLLRSI01CD03CD03											73.2
CD04	WLLRSI01CD04CD04											21.4
CD05	WLLRSI01CD05CD05											38.5
HC02	WLLRSI01HC02HC02											6.1
HC08	WLLRSI01HC08HC08											66.3
HC10	WLLRSI01HC10HC10											52.8
OSS001	WLRELF99OSS001SD0001					63.4					11.1	74.5
OSS002	WLRELF99OSS002SD0006					65.1					6.4	71.5
OSS003	WLRELF99OSS003SD0021					62.5					12.7	75.2
OSS004	WLRELF99OSS004SD0011					35.9					4.8	40.7
OSS005	WLRELF99OSS005SD0024					70					13.2	83.2
OSS006	WLRELF99OSS006SD0016					32.3					5.3	37.6
RB1	WLRELF99RB1SD1001					0.05					0.033	0.083
RB2	WLRELF99RB2SD1003					0.02					0.09	0.11
RB3	WLRELF99RB3SD1005					0.68					0.25	0.93
RB4	WLRELF99RB4SD1007					1					0.24	1.24
RB5	WLRELF99RB5SD1009					0.48					0.18	0.66
RB6	WLRELF99RB6SD1011					0.58					0.14	0.72
RB6	WLRELF99RB6SD1013					0.62					0.34	0.96
DM-A	WRD&M98DMADMA					68.6						68.6
DM-B	WRD&M98DMBDMB					69.6						69.6
DM-C	WRD&M98DMCDMC					57.5						57.5
DM-D	WRD&M98DMDDMD					53.7					5.3	59
DM-E	WRD&M98DMEDME					66.3					1.1	67.4
DM-F	WRD&M98DMFDMF					28.2						28.2
DM-G	WRD&M98DMGDMG					69.9						69.9
DM-H	WRD&M98DMHDMH					95.7						95.7
DM-I	WRD&M98DMIDMI					80.4					8.1	88.5
DM-J	WRD&M98DMJDMJ					72					6	78
DM-K	WRD&M98DMKDMK					69.1					3.3	72.4
DM-L	WRD&M98DMLDML					68					1.6	69.6
SD001	WR-WSI98SD0010					16.09					3.74	19.83
SD002	WR-WSI98SD0020					3.17					1.15	4.32
SD003	WR-WSI98SD0030					31.2					5.11	36.31
SD004	WR-WSI98SD0040					15.27					2.29	17.56
SD005	WR-WSI98SD0050					42.71					8.71	51.42
SD006	WR-WSI98SD0060					67.31					11.5	72.18
SD007	WR-WSI98SD0070					62.53					9.65	72.18
SD008	WR-WSI98SD0080					40.18					19.32	59.5
SD009	WR-WSI98SD0090					56.54					9.97	66.51
SD010	WR-WSI98SD0100					59.1					10.38	69.48
SD011	WR-WSI98SD0110					55.56					12.36	67.92
SD012	WR-WSI98SD0120					22					4.74	26.74
SD013	WR-WSI98SD0130					62.72					9.71	72.43
SD014	WR-WSI98SD0140					58.45					10.56	69.01
SD015	WR-WSI98SD0150					50.93					8.8	59.73
SD016	WR-WSI98SD0160					77.86					13.17	91.03
SD017	WR-WSI98SD0170					70.01					9.28	79.29
SD018	WR-WSI98SD0180					74.71					13.71	88.42
SD019	WR-WSI98SD0190					68.01					11.08	79.09
SD020	WR-WSI98SD0200					69.54					8.52	78.06
SD021	WR-WSI98SD0210000CC					70.6 T					11.7 T	82.3 T
SD022	WR-WSI98SD0220					54.84					16.54	71.38
SD023	WR-WSI98SD0230					61.63					19.58	81.21
SD024	WR-WSI98SD0240					65.99					10.03	76.02
SD025	WR-WSI98SD0250					66.52					8.22	74.74
SD026	WR-WSI98SD0260					62.99					10.45	73.44
SD027	WR-WSI98SD0270					81					13.5	94.5
SD028	WR-WSI98SD0280					67.46					7.58	75.04
SD029	WR-WSI98SD0290					57.3					15.9	73.2
SD030	WR-WSI98SD0300					64.21					9.1	73.31
SD031	WR-WSI98SD0310					65.61					12.53	78.14
SD032	WR-WSI98SD0320					66.35					14.79	81.14
SD033	WR-WSI98SD0330					71.62					11.99	83.61
SD034	WR-WSI98SD0340					59.78					9.46	69.24
SD035	WR-WSI98SD0350					59.92					11.04	70.96
SD036	WR-WSI98SD0360					64.44					10.32	74.76
SD037	WR-WSI98SD0370					59.78					12.27	72.05

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
SD038	WR-WSI98SD0380					62.57					14.67	77.24
SD039	WR-WSI98SD0390					66.25					10.42	76.67
SD040	WR-WSI98SD0400					59.24					10.21	69.45
SD041	WR-WSI98SD0410					59.09					13.31	72.4
SD042	WR-WSI98SD0420					72.04					2.23	74.34
SD043	WR-WSI98SD0430					61.75					9.39	71.14
SD044	WR-WSI98SD0440					61.37					8.62	69.99
SD045	WR-WSI98SD0450					48.89					7.99	56.88
SD046	WR-WSI98SD0460					52.92					9.02	61.94
SD047	WR-WSI98SD0470					37.23					8.18	45.41
SD048	WR-WSI98SD0480000CC					39.2 T					8.15 T	47.4 T
SD049	WR-WSI98SD0490					59.87					9.83	69.7
SD050	WR-WSI98SD0500					39.61					8.13	47.73
SD051	WR-WSI98SD0510					46.52					9.98	56.5
SD052	WR-WSI98SD0520					47.45					11.23	58.68
SD053	WR-WSI98SD0530					35.25					6.16	41.41
SD055	WR-WSI98SD0550					10.38					2.39	12.77
SD056	WR-WSI98SD0560					26.73					5.28	32.01
SD057	WR-WSI98SD0570					57.15					7.82	64.97
SD058	WR-WSI98SD0580					11.08					3.66	14.74
SD059	WR-WSI98SD0590					62.42					9.67	72.09
SD060	WR-WSI98SD0600					51.31					6.69	58
SD061	WR-WSI98SD0610					72.52					9.62	82.14
SD062	WR-WSI98SD0620					71.24					12.3	83.54
SD063	WR-WSI98SD0630					60.5					13.82	74.32
SD064	WR-WSI98SD0640					60.14					11.6	71.74
SD065	WR-WSI98SD0650					59.54					10.76	70.3
SD066	WR-WSI98SD0660					49.56					13.77	63.33
SD067	WR-WSI98SD0670					65.24					12.66	77.9
SD068	WR-WSI98SD0680					62.39					11.73	74.12
SD069	WR-WSI98SD0690					64.76					8.13	72.89
SD070	WR-WSI98SD0700000CC					43.2 T					8.56 T	51.8 T
SD071	WR-WSI98SD0710					53.02					9.17	62.19
SD072	WR-WSI98SD0720					39.14					6.55	45.69
SD073	WR-WSI98SD0730					72.43					11.23	83.66
SD074	WR-WSI98SD0740					72.98					15.17	88.15
SD075	WR-WSI98SD0750					46.61					7.37	53.98
SD076	WR-WSI98SD0760					62.83					12.72	75.55
SD077	WR-WSI98SD0770					21.71					3.09	24.79
SD078	WR-WSI98SD0780					39.13					3.38	42.51
SD079	WR-WSI98SD0790					7.75					1.44	9.19
SD080	WR-WSI98SD0800					52.48					8.94	61.42
SD081	WR-WSI98SD0810					34.1					4.46	38.56
SD082	WR-WSI98SD0820					68.49					12.64	81.13
SD083	WR-WSI98SD0830					67.93					8.17	76.1
SD084	WR-WSI98SD0840					62.98					7.87	70.85
SD085	WR-WSI98SD0850					56.03					10.47	66.5
SD086	WR-WSI98SD0860					72.01					12.77	84.78
SD087	WR-WSI98SD0870					59.19					8.52	67.71
SD088	WR-WSI98SD0880					66.42					9.46	75.88
SD089	WR-WSI98SD0890					53.59					10.71	64.3
SD090	WR-WSI98SD0900					54.37					8.9	63.27
SD091	WR-WSI98SD0910					61.68					9.73	71.41
SD092	WR-WSI98SD0920000CC					5.16 T					2.45 T	7.6 T
SD093	WR-WSI98SD0930					69.01					10.27	79.28
SD094	WR-WSI98SD0940					56.9					9.49	66.39
SD095	WR-WSI98SD0950					61.13					11.89	73.02
SD096	WR-WSI98SD0960					48.79					8.09	56.88
SD097	WR-WSI98SD0970					62.13					11.51	73.64
SD098	WR-WSI98SD0980					67.03					9.66	76.69
SD099	WR-WSI98SD0990					69.26					11.68	80.94
SD100	WR-WSI98SD1000					67.71					6.33	74.04
SD101	WR-WSI98SD1010					58.11					9.16	67.27
SD102	WR-WSI98SD1020					41.94					6.99	48.93
SD103	WR-WSI98SD1030					76.32					9.97	86.29
SD104	WR-WSI98SD1040					70.24					19.33	89.57
SD105	WR-WSI98SD1050					78.24					10.88	89.12
SD106	WR-WSI98SD1060					63.87					7.86	71.73
SD107	WR-WSI98SD1070					79.19					12.37	91.56

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Table C2-1. Sediment Grain-Size Values Used in Percent Fines Calculations for Surface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
SD108	WR-WSI98SD1080					70.46					9.48	79.94
SD109	WR-WSI98SD1090					77.96					8.65	86.61
SD110	WR-WSI98SD1100					63.55					12.14	75.69
SD111	WR-WSI98SD1110					68.87					10.37	79.24
SD112	WR-WSI98SD1120					71.92					13.82	85.74
SD113	WR-WSI98SD1130					74.88					11.41	86.29
SD114	WR-WSI98SD1140					5.26					0.93	6.19
SD115	WR-WSI98SD1150					74.71					10.09	84.4
SD116	WR-WSI98SD1160					69.97					9.01	78.98
SD117	WR-WSI98SD1170000CC					38.2 T					3.42 T	41.4 T
SD118	WR-WSI98SD1180					25.3					3.1	28.4
SD119	WR-WSI98SD1190					76.23					9.56	85.79
SD120	WR-WSI98SD1200					75.67					10.79	86.46
SD121	WR-WSI98SD1210					61.51					8.96	70.47
SD122	WR-WSI98SD1220					78.64					12.26	90.9
SD123	WR-WSI98SD1230					65.48					10.52	76
SD124	WR-WSI98SD1240					72.31					10.72	83.03
SD125	WR-WSI98SD1250					81.44					9.96	91.4
SD126	WR-WSI98SD1260					81.6					13.6	95.2
SD127	WR-WSI98SD1270					70.96					11.34	82.3
SD128	WR-WSI98SD1280					67.91					13.72	81.63
SD129	WR-WSI98SD1290					55.42					13.49	68.91
SD130	WR-WSI98SD1300					77.79					11.71	89.5
SD131	WR-WSI98SD1310					58.52					7.46	65.98
SD132	WR-WSI98SD1320					50.62					8.07	58.69
SD133	WR-WSI98SD1330					55.45					9.27	64.72
SD134	WR-WSI98SD1340					81.07					11.3	92.37
SD135	WR-WSI98SD1350					68.68					7.95	76.63
SD136	WR-WSI98SD1360					14.96					0.74	15.7
SD137	WR-WSI98SD1370000CC					70.8 T					9.69 T	80.5 T
SD138	WR-WSI98SD1380					70.26					8.87	79.73
SD139	WR-WSI98SD1390					78.29					16.31	94.6
SD140	WR-WSI98SD1400					76.81					11.27	88.08
SD141	WR-WSI98SD1410000CC					75.8 T					18.9 T	91.7 T
SD142	WR-WSI98SD1420					82.57					8.39	90.96
SD143	WR-WSI98SD1430					72.01					8.64	80.65
SD144	WR-WSI98SD1440					77.08					10.14	87.22
SD145	WR-WSI98SD1450					39.12					6.68	45.8
SD146	WR-WSI98SD1460					72.82					8.92	81.74
SD147	WR-WSI98SD1470					77.25					8.62	85.87
SD148	WR-WSI98SD1480					48.65					11.75	60.4
SD149	WR-WSI98SD1490					76.55					9.25	85.8
SD150	WR-WSI98SD1500					23.42					4.98	28.4
SD151	WR-WSI98SD1510000CC					65.5 T					7.03 T	72.8 T

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
B001	LW2-B001	1.3 U	2.4 U	2.1 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	1 U	2.4 UT
B002	LW2-B002	12 U	23 U	21 U	13 U	140	25 UJ	25 UJ	25 UJ	9.9 U	140 T
B003	LW2-B003	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.8 U	1 U	1.2 U	1.1 U	2.4 UT
B004	LW2-B004	85 U	160 U	140 U	87 U	1400	170 UJ	170 UJ	170 UJ	68 U	1400 T
B005	LW2-B005	1.2 U	2.2 U	2 U	1.2 U	1.6 U	0.73 U	0.94 U	1.1 U	0.96 U	2.2 UT
B006	LW2-B006	1.2 U	2.2 U	2 U	1.2 U	15	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	15 T
B007	LW2-B007	1.3 U	2.4 U	2.1 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	1 U	2.4 UT
B008	LW2-B008	1.1 U	2 U	1.8 U	1.1 U	1.4 U	0.64 U	4.4	0.99 U	0.85 U	4.4 T
B009	LW2-B009	1.1 U	2.1 U	1.9 U	1.1 U	1.5 U	0.68 U	0.88 U	1.1 U	0.9 U	2.1 UT
B010	LW2-B010	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.8 U	27	1.2 U	1.1 U	27 T
B011	LW2-B011	1.1 U	2 U	1.8 U	1.1 U	1.4 U	0.65 U	0.83 U	0.99 U	0.85 U	2 UT
B012	LW2-B012	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJT
B015	LW2-B015	1.1 U	1.9 U	1.8 U	1.1 U	1.4 U	0.64 U	0.82 U	0.98 U	0.84 U	1.9 UT
B016	LW2-B016	1.1 U	2.1 U	1.9 U	1.2 U	1.5 U	0.69 U	0.89 U	1.1 U	0.91 U	2.1 UT
B017	LW2-B017	1.2 U	2.2 U	2 U	1.2 U	1.6 U	0.73 U	0.94 U	1.1 U	0.97 U	2.2 UT
B018	LW2-B018	23 U	42 U	38 U	23 U	30 U	14 U	88	21 U	18 U	88 T
B019	LW2-B019	1.1 U	2.1 U	1.9 U	1.2 U	1.5 U	0.69 U	0.89 U	1.1 U	0.91 U	2.1 UT
B020	LW2-B020	2.5 U	4.6 U	4.1 U	2.5 U	3.2 U	1.5 U	29	2.3 U	2 U	29 T
B021	LW2-B021	3.1 U	5.8 U	5.2 U	3.2 U	4.1 U	70	11	2.9 U	2.5 U	81 T
B022-1	LW2-B022-1	2.7 U	4.9 U	4.5 U	2.7 U	8.7	1.6 U	110	2.5 U	2.1 U	119 T
B022-2	LW2-B022-2	5.4 U	10 U	9 U	5.5 U	16 J	3.3 U	55	5 U	4.3 U	71 JT
B023	LW2-B023	1.1 U	2 U	1.8 U	1.1 U	1.4 U	0.67 U	32	1 U	0.89 U	32 T
B024	LW2-B024	3.8 U	7 U	6.3 U	3.8 U	37	2.3 U	36	3.5 U	3 U	73 T
B025-1	LW2-B025-1	3.4 UT	6.3 UT	5.7 UT	3.4 UT	4.4 UT	78 T	30.5 T	3.2 UT	2.7 UT	109 T
B025-2	LW2-B025-2	2.3 U	4.2 U	3.8 U	2.3 U	2.9 U	54 J	22 J	2.1 U	1.8 U	76 JT
B026	LW2-B026	15 U	28 U	25 U	15 U	82	9.1 U	240	14 U	12 U	322 T
B050	LW2-B050	4.34 U	8.04 U	7.26 U	4.42 U	5.66 U	2.64 U	64.5	4.06 U	3.48 U	64.5 T
C060	LW2-C060-A	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.2 NJ	4.3	1.6 U	1.6 U	8.5 JT
C093	LW2-C093-A	40.6 UJ	75.3 UJ	68 UJ	41.3 UJ	221 J	2010 J	31.7 UJ	38 UJ	32.6 UJ	2230 JT
C106	LW2-C106-A	2.2 U	2.2 U	2.2 U	25 J	2.2 U	20 J	14	2.2 U	2.2 U	59 JT
C109	LW2-C109-A	2.2 U	2.2 U	2.2 U	30	2.2 U	17 J	18	2.2 U	2.2 U	65 JT
C111-2	LW2-C111-A2	2.1 U	2.1 U	2.1 U	160 J	2.1 U	94 J	42	2.1 U	2.1 U	296 JT
C144	LW2-C144-A	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	4.3 U	11 J	2.3 U	2.3 U	11 JT
C158	LW2-C158-A	2 U	2 U	2 U	2 U	2 U	15	9.3	2 U	2 U	24.3 T
C162	LW2-C162-A	2 U	2 U	2 U	2 U	2 U	8.2 J	10	2 U	2 U	18.2 JT
C167	LW2-C167-A	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	4.1	2.7 U	2.7 U	4.1 T
C169	LW2-C169-A	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	4.5 U	6.3	2.2 U	2.2 U	6.3 T
C171	LW2-C171-A	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5.5 U	8	2.5 U	2.5 U	8 T
C196	LW2-C196-A	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	18 NJ	31	1.6 U	12	61 JT
C269	LW2-C269-A	5 U	5 U	5 U	5 U	5 U	65 U	23 U	5 U	5 U	65 UT
C282	LW2-C282-A	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	5.4 J	2.3 U	2.3 U	5.4 JT
C290	LW2-C290-A	2 U	2 U	2 U	2 U	2 U	5.3 U	2.9 U			5.3 UT
C291	LW2-C291-A	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	7.6 U	19			19 JT
C299	LW2-C299-A	77 U	20 U	20 U	54 U	38 U	37 U	71 U	20 U	20 U	77 UT
C300-1	LW2-C300-A	1.9 U	1.9 U	1.9 U	93	1.9 U	110 J	100	1.9 U	1.9 U	303 JT
C312	LW2-C312-A	2.2 U	2.2 U	2.2 U	2.2 U	54	45 U	74 J	2.2 U	2.2 U	128 JT
C356	LW2-C356-A	26 U	31 U	45 U	25 U	24 U	28 U	35 U	36 U	16 U	45 UT
C361	LW2-C361-A	2.2 U	2.2 U	2.2 U	2.2 U	7.2	19	9.3	2.2 U	2.2 U	35.5 T
C430	LW2-C430-A	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	65	68	2.2 U	2.2 U	133 T
C494	LW2-C494-A	1.7 U	1.7 U	1.7 U	43 J	1.7 U	1.7 U	190	1.7 U	1.7 U	233 JT
C522	LW2-C522-A	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	31 J	22	2.3 U	2.3 U	53 JT
C523	LW2-C523-A	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	6.1 J	8.8 J	1.7 UJ	1.7 UJ	14.9 JT
C524	LW2-C524-A	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	32 U	22	5.5 U	5.5 U	22 T
C525	LW2-C525-A	34 U	160 U	76 U	73 U	46 U	31 U	34 J	5.5 U	5.5 U	34 JT
C527	LW2-C527-A	9.4 U	140 U	38 U	19 U	6 U	25 U	13 U	6.2 U	2.8 U	140 UT
C528	LW2-C528-A	2.7 U	2.7 U	2.7 U	2.7 U	6.7	23	11	2.7 U	2.7 U	40.7 T
C529	LW2-C529-A	2.4 U	2.4 U	2.4 U	2.4 U	4 U	11 U	6.5 U	3.4 U	2.4 U	11 UT
C530	LW2-C530-A	2.2 U	2.2 U	2.2 U	2.2 U	6.3 U	17 U	11 U	4.3 U	2.2 U	17 UT
C531	LW2-C531-A	2 U	2 U	2 U	2 U	18	23 J	25	2 U	2 U	66 JT
C532	LW2-C532-A	2.2 U	2.2 U	2.2 U	2.2 U	41	55	45	2.2 U	2.2 U	141 T
C533	LW2-C533-A	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	110 J	5.5 U	5.5 U	110 JT
D1-1	LW2-D1-1	2.11 UT	3.91 UT	3.53 UT	2.14 UT	4.17 JT	7.5 JT	6.1 JT	1.97 UT	1.69 UT	17.8 JT
D1-2	LW2-D1-2	2.29 U	4.24 U	3.83 U	2.33 U	2.98 U	6.12	3.71 J	2.14 U	1.84 U	9.83 JT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
D2	LW2-D2	1.6 U	2.97 U	2.68 U	1.63 U	2.09 U	9.08	2.65 J	1.5 U	1.29 U	11.7 JT
G001	LW2-G001	2.1 U	3.8 U	3.4 U	2.1 U	3 J	1.3 U	6.5	1.9 U	1.7 U	9.5 JT
G002	LW2-G002	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJT
G003	LW2-G003	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	5.3 J	4.5 UJ	4.5 UJ	5.3 JT
G004	LW2-G004	3.9 U	7.2 U	6.5 U	4 U	36	2.4 U	16	3.6 U	3.1 U	52 T
G005	LW2-G005	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.9 J	5.1 UJ	5.1 UJ	5.9 JT
G006	LW2-G006	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	5.1 UJ	11 J	5.1 UJ	5.1 UJ	11 JT
G007-1	LW2-G007-1	7.7 UT	15 UT	13 UT	8 UT	200 JT	5.1 UT	70.5 JT	7.6 UT	6.3 UT	271 JT
G007-2	LW2-G007-2	6.2 U	12 U	11 U	6.6 U	320 J	4.1 U	62	6.2 U	5.1 U	382 JT
G008	LW2-G008	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	9.1 J	5 UJ	5 UJ	9.1 JT
G009	LW2-G009	71 U	130 U	120 U	73 U	1400	43 U	360	67 U	57 U	1760 T
G010	LW2-G010	14 U	26 U	24 U	14 U	120	8.6 U	48 J	13 U	11 U	168 JT
G011	LW2-G011	66 U	120 U	110 U	67 U	1300	40 U	360 J	61 U	53 U	1660 JT
G012	LW2-G012	2 U	3.8 U	3.4 U	2.1 U	2.7 U	1.3 U	7.7 J	1.9 U	1.6 U	7.7 JT
G013	LW2-G013	4.6 U	8.9 U	8.1 U	4.8 U	74 J	3 U	24	4.5 U	3.8 U	98 JT
G014	LW2-G014	2.4 U	4.7 U	4.2 U	2.5 U	7.4 J	1.6 U	9.2 J	2.4 U	2 U	16.6 JT
G015	LW2-G015	68 U	130 U	110 U	69 U	1400	41 U	350	63 U	54 U	1750 T
G016	LW2-G016	4.9 UJ	4.9 UJ	4.9 UJ	4.9 UJ	4.9 UJ	4.9 UJ	10 J	4.9 UJ	4.9 UJ	10 JT
G017	LW2-G017	21 U	39 U	35 U	21 U	550	13 U	200	20 U	17 U	750 T
G018	LW2-G018	4.6 U	8.6 U	7.7 U	4.7 U	6 U	2.8 U	51	4.3 U	3.7 U	51 T
G019	LW2-G019	36 U	67 U	61 U	37 U	800	22 U	730	73 UJ	73 UJ	1530 T
G020	LW2-G020	21 U	39 U	36 U	22 U	360	13 U	80	20 U	17 U	440 T
G021	LW2-G021	2.4 U	4.5 U	4 U	2.5 U	8.2	1.5 U	7.2 J	2.3 U	1.9 U	15.4 JT
G022	LW2-G022	2.4 U	4.4 U	4.8 UJ	2.4 U	3.8 J	1.4 U	8.1 J	2.2 U	4.8 UJ	11.9 JT
G023-1	LW2-G023-1	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT	2.8 UJT
G023-2	LW2-G023-2	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJT
G024	LW2-G024	4.5 U	8.4 U	7.6 U	4.6 U	68	2.8 U	21	4.2 U	3.6 U	89 T
G025	LW2-G025	25 U	47 U	42 U	26 U	380	15 U	52	23 U	20 U	432 T
G026	LW2-G026	2.2 U	4.2 U	3.8 U	2.2 U	39	1.4 U	19	2.1 U	1.8 U	58 T
G027	LW2-G027	4 U	7.4 U	6.7 U	4.1 U	97	2.4 U	14	3.8 U	3.2 U	111 T
G028	LW2-G028	5.7 U	11 U	9.6 U	5.8 U	72	3.5 U	15	5.3 U	4.6 U	87 T
G029	LW2-G029	1.7 U	3.2 U	2.9 U	1.8 U	2.3 U	1.1 U	1.5 J	1.6 U	1.4 U	1.5 JT
G030	LW2-G030	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJT
G031	LW2-G031	3.8 U	7 U	6.3 U	3.9 U	55	2.3 U	18	3.5 U	3 U	73 T
G032	LW2-G032	2.5 U	4.7 U	4.2 U	2.6 U	36	1.5 U	5.5	2.4 U	2 U	41.5 T
G033	LW2-G033	3.2 U	6 U	5.4 U	3.3 U	34	2 U	11	3 U	2.6 U	45 T
G034	LW2-G034	1.3 U	2.3 U	2.1 U	1.3 U	31 J	0.77 U	12	1.2 U	1 U	43 JT
G035	LW2-G035	3.9 U	7.1 U	6.5 U	3.9 U	54 J	2.3 U	20 J	3.6 U	3.1 U	74 JT
G036	LW2-G036	2.4 U	4.5 U	4.1 U	2.5 U	3.2 U	1.5 U	6	2.3 U	2 U	6 T
G037	LW2-G037	1.3 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	0.98 U	1.2 U	1 U	2.3 UT
G038	LW2-G038	1.49 U	2.76 U	2.49 U	120	1.94 U	38.9	3.83	1.39 U	1.19 U	163 T
G039	LW2-G039	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	9 J	4.5 UJ	4.5 UJ	9 JT
G040	LW2-G040	1.2 U	2.3 U	2 U	1.2 U	2.4 UJ	2.4 UJ	17	2.4 UJ	0.98 U	17 T
G041	LW2-G041	3.4 UJ	3.1 U	2.8 U	3.4 UJ	3.4 UJ	3.4 UJ	12	3.4 UJ	1.4 U	12 T
G042	LW2-G042	4.3 UJ	4 U	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	7.3 J	4.3 UJ	1.7 U	7.3 JT
G043	LW2-G043	2.3 U	4.3 U	3.9 U	2.4 U	3.7	1.4 U	9.2	2.2 U	1.9 U	12.9 T
G044-1	LW2-G044-1	2.2 UT	4 UT	3.6 UT	2.2 UT	8.5 JT	1.3 UT	9.3 T	2 UT	1.7 UT	17.8 JT
G044-2	LW2-G044-2	2.3 U	4.2 U	3.8 U	2.3 U	8.6 J	1.4 U	12 J	2.1 U	1.8 U	20.6 JT
G045	LW2-G045	1.3 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	0.98 U	1.2 U	1 U	2.3 UT
G046	LW2-G046	2.3 U	4.3 U	3.9 U	2.4 U	11 J	1.4 U	12 J	2.2 U	1.9 U	23 JT
G047	LW2-G047	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	1 U	2.4 UT
G048	LW2-G048	1.3 U	2.4 U	2.1 U	1.3 U	1.7 U	0.77 U	0.99 U	1.2 U	1 U	2.4 UT
G049	LW2-G049	1.3 U	2.3 U	2.1 U	1.3 U	1.6 U	0.77 U	0.98 U	1.2 U	1 U	2.3 UT
G050	LW2-G050	1.7 U	3.1 U	2.8 U	1.7 U	2.2 U	1 U	1.3 U	1.6 U	1.4 U	3.1 UT
G051	LW2-G051	2.1 U	4 U	3.6 U	2.2 U	8.3	1.3 U	13	2 U	1.7 U	21.3 T
G052	LW2-G052	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	0.97 U	1.2 U	1 U	2.3 UT
G053	LW2-G053	1.3 U	2.3 U	2.1 U	1.3 U	7.5	0.77 U	11	1.2 U	1 U	18.5 T
G054	LW2-G054	1.3 U	2.5 U	2.2 U	1.4 U	1.7 U	0.81 U	2.4 J	1.2 U	1.1 U	2.4 JT
G055	LW2-G055	1.8 U	3.3 U	3 U	1.8 U	3.9	1.1 U	12	1.7 U	1.4 U	15.9 T
G056	LW2-G056	1.4 U	2.5 U	2.3 U	1.4 U	1.8 U	0.83 U	1.1 U	1.3 U	1.1 U	2.5 UT
G057	LW2-G057	1.7 U	3.1 U	2.8 U	1.7 U	15 J	1 U	8.8 J	1.6 U	1.3 U	23.8 JT
G058	LW2-G058	1.5 U	2.7 U	2.5 U	1.5 U	7.5	0.9 U	13 J	1.4 U	1.2 U	20.5 JT
G059	LW2-G059	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	4.8	1.2 U	1 U	4.8 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G060	LW2-G060	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJ	2.6 UJT
G061	LW2-G061	1.7 U	3.2 U	2.9 U	1.7 U	5.4	1 U	8	1.6 U	1.4 U	13.4 T
G062	LW2-G062	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.78 U	9.2	1.2 U	1 U	9.2 T
G063	LW2-G063	2.2 U	4 U	3.6 U	2.2 U	4.3 J	1.3 U	5.6 J	2 U	1.7 U	9.9 JT
G064	LW2-G064	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJT
G065	LW2-G065	1.8 U	3.3 U	3.5 UJ	3.5 UJ	10 J	1.1 U	7.6	1.7 U	1.4 U	17.6 JT
G066	LW2-G066	1.7 U	3.2 U	2.9 U	1.8 U	3.5 UJ	3.5 UJ	9.8 J	3.5 UJ	1.4 U	9.8 JT
G067	LW2-G067	1.7 U	3.1 U	2.8 U	1.7 U	9.2 J	1 U	23	1.6 U	1.4 U	32.2 JT
G068	LW2-G068	2.1 U	3.8 U	4.2 UJ	4.2 UJ	9.7 J	1.3 U	11	1.9 U	1.7 U	20.7 JT
G069	LW2-G069	1.7 U	3.2 U	2.9 U	1.8 U	4.5 J	1.1 U	5.2 J	1.6 U	1.4 U	9.7 JT
G070	LW2-G070	2.2 U	4.1 U	3.7 U	2.2 U	2.9 U	1.3 U	5.7	2 U	1.8 U	5.7 T
G071	LW2-G071	4 U	7.5 U	6.8 U	4.1 U	5.3 U	2.5 U	52	3.8 U	3.2 U	52 T
G072	LW2-G072	2.1 U	3.9 U	3.6 U	2.2 U	2.8 U	1.3 U	6.7	2 U	1.7 U	6.7 T
G073	LW2-G073	3.9 U	7.2 U	6.5 U	3.9 U	5 U	2.4 U	10	3.6 U	3.1 U	10 T
G074	LW2-G074	6.3 U	12 U	11 U	6.4 U	8.3 U	3.9 U	4.9 U	5.9 U	5.1 U	12 UT
G075-1	LW2-G075-1	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.7 UJT
G075-2	LW2-G075-2	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJ	6.3 UJT
G076	LW2-G076	2.1 U	3.9 U	3.5 U	2.2 U	2.8 U	1.3 U	9.3 J	2 U	1.7 U	9.3 JT
G077	LW2-G077	2 U	3.7 U	3.4 U	2.1 U	5 J	1.2 U	7.6 J	1.9 U	1.6 U	12.6 JT
G078	LW2-G078	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.75 U	18	1.2 U	0.99 U	18 T
G079	LW2-G079	1.4 U	2.5 U	2.3 U	1.4 U	1.8 U	0.84 U	1.1 U	1.3 U	1.1 U	2.5 UT
G080	LW2-G080	2.5 U	4.6 U	4.1 U	2.5 U	10	35	12	2.3 U	2 U	57 T
G081	LW2-G081	2.1 U	3.8 U	3.4 U	2.1 U	5.5 J	1.3 U	10	1.9 U	1.7 U	15.5 JT
G082	LW2-G082	13 UJ	13 UJ	13 UJ	13 UJ	13 UJ	3.8 U	150 J	5.9 U	5 U	150 JT
G083	LW2-G083	3.1 U	5.8 U	5.3 U	3.2 U	29	1.9 U	40	2.9 U	2.5 U	69 T
G084	LW2-G084	4.4 U	8.1 U	7.3 U	4.4 U	32 J	130 J	52	4.1 U	3.5 U	214 JT
G085	LW2-G085	36 U	66 U	60 U	36 U	47 U	1700	28 U	33 U	29 U	1700 T
G086	LW2-G086	5.2 U	9.6 U	8.7 U	5.3 U	50	97 J	56 J	4.8 U	4.1 U	203 JT
G087	LW2-G087	8.3 U	15 U	14 U	8.4 U	100	170 J	83	7.7 U	6.6 U	353 JT
G088	LW2-G088	15 UJ	15 UJ	15 UJ	15 UJ	38 J	130 J	60 J	15 UJ	15 UJ	228 JT
G089	LW2-G089	5 U	9.3 U	8.4 U	5.1 U	6.6 U	200	47	4.7 U	4 U	247 T
G090	LW2-G090	19 U	34 U	31 U	290	24 U	300 J	160 J	17 U	15 U	750 JT
G091	LW2-G091	3.7 U	6.9 U	6.3 U	3.8 U	44	96 J	70 J	3.5 U	3 U	210 JT
G092	LW2-G092	29 U	54 U	49 U	30 U	38 U	1500	23 U	27 U	23 U	1500 T
G093	LW2-G093	39.6 U	73.4 U	66.3 U	40.3 U	627	2100	638	37 U	31.8 U	3370 T
G094	LW2-G094	17.3 U	32 U	28.9 U	17.6 U	231	880	336	16.1 U	13.8 U	1450 T
G095	LW2-G095	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.8 U	5.3	1.2 U	1.1 U	5.3 T
G096	LW2-G096	4.8 U	9 U	8.1 U	22	6.3 U	240	3.8 U	4.5 U	40	302 T
G097	LW2-G097	1.9 U	3.5 U	3.1 U	1.9 U	5.9	1.1 U	12	1.8 U	1.5 U	17.9 T
G098	LW2-G098	1.8 U	3.4 U	3.1 U	1.9 U	10	1.1 U	7.4 J	1.7 U	1.5 U	17.4 JT
G099	LW2-G099	6.5 U	12 U	11 U	6.6 U	66 J	170	58 J	6.1 U	5.2 U	294 JT
G100	LW2-G100	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	16	2.9 UJ	2.9 UJ	16 T
G101	LW2-G101	2 U	3.8 U	3.4 U	2.1 U	11	1.2 U	10 J	1.9 U	1.6 U	21 JT
G102	LW2-G102	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.75 U	0.97 U	1.2 U	0.99 U	2.3 UT
G103	LW2-G103	1.8 U	3.3 U	3 U	1.8 U	18 J	52	34 J	1.7 U	1.4 U	104 JT
G104	LW2-G104	1.8 U	3.3 U	3 U	15	2.3 U	15	1.4 U	1.7 U	1.4 U	30 T
G105	LW2-G105	1.8 U	3.3 U	3 U	1.8 U	4.2	1.1 U	8.3	1.7 U	1.4 U	12.5 T
G106	LW2-G106	12 U	21 U	19 U	110	15 U	94	32 J	11 U	9.3 U	236 JT
G107	LW2-G107	1.7 U	3.1 U	2.8 U	1.7 U	9.4	1 U	8.1	1.5 U	1.3 U	17.5 T
G108	LW2-G108	2 U	3.7 U	4 UJ	4 UJ	13	1.2 U	4.9	1.9 U	1.6 U	17.9 T
G109	LW2-G109	8.6 U	16 U	14 U	110	11 U	76	21 J	8 U	6.9 U	207 JT
G110	LW2-G110	2.2 U	4.1 U	3.7 U	2.2 U	2.9 U	1.3 U	4 J	2.1 U	1.8 U	4 JT
G111	LW2-G111	51 U	94 U	85 U	1200	66 U	330	40 U	47 U	41 U	1530 T
G112	LW2-G112	13 U	25 U	22 U	170	17 U	83	10 U	12 U	55	308 T
G113	LW2-G113	2.2 U	4.1 U	3.7 U	2.3 U	2.9 U	1.4 U	6.7 J	2.1 U	1.8 U	6.7 JT
G116	LW2-G116	2.1 U	3.9 U	3.5 U	2.1 U	5.2 J	1.3 U	16	2 U	1.7 U	21.2 JT
G117	LW2-G117	1.7 U	3.2 U	2.9 U	1.8 U	3.8 J	1.1 U	9.7	1.6 U	1.4 U	13.5 JT
G119	LW2-G119	1.4 U	2.7 U	2.4 U	1.5 U	1.9 U	0.87 U	1.1 U	1.3 U	1.2 U	2.7 UT
G120	LW2-G120	2.3 U	4.2 U	3.8 U	2.3 U	3.5 J	1.4 U	9.5 J	2.1 U	1.8 U	13 JT
G121	LW2-G121	2.1 U	3.8 U	3.5 U	2.1 U	3.8 J	1.3 U	9.5 J	1.9 U	1.7 U	13.3 JT
G122	LW2-G122	2.1 U	3.9 U	3.5 U	2.1 U	2.7 U	1.3 U	6.3	2 U	1.7 U	6.3 T
G123	LW2-G123	1.68 U	3.11 U	2.81 U	1.71 U	2.19 U	1.02 U	1.31 U	1.57 U	1.34 U	3.11 UT
G124	LW2-G124	1.35 U	2.5 U	2.26 U	1.37 U	1.76 U	13.9 J	5.14	1.26 U	1.08 U	19 JT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G125	LW2-G125	2.2 U	4.1 U	3.7 U	2.3 U	2.9 U	1.3 U	16	2.1 U	1.8 U	16 T
G126	LW2-G126	1.33 U	2.47 U	2.23 U	1.35 U	1.74 U	0.809 U	1.04 U	1.24 U	1.07 U	2.47 UT
G127	LW2-G127	1.8 U	3.4 U	3.1 U	1.9 U	2.6 J	1.1 U	9.6 J	1.7 U	1.5 U	12.2 JT
G128	LW2-G128	1.7 U	3.1 U	2.8 U	1.7 U	2.2 U	1 U	4.2 J	1.6 U	1.3 U	4.2 JT
G129	LW2-G129	2.2 U	4 U	3.6 U	2.2 U	2.8 U	1.3 U	5.7	2 U	1.7 U	5.7 T
G130	LW2-G130	1.4 U	2.7 U	2.4 U	1.5 U	1.9 U	0.87 U	31	1.3 U	1.2 U	31 T
G131	LW2-G131	2.3 U	4.3 U	3.9 U	2.4 U	3.1 U	4.7 UJ	4.7 UJ	4.7 UJ	1.9 U	4.7 UJT
G132	LW2-G132	1.7 U	3.1 U	2.8 U	1.7 U	2.2 U	1 U	5.3	1.6 U	1.4 U	5.3 T
G133	LW2-G133	2.1 U	3.9 U	3.5 U	2.1 U	2.7 U	1.3 U	5.4	2 U	1.7 U	5.4 T
G134	LW2-G134	2.4 U	4.5 U	4 U	2.5 U	3.2 U	1.5 U	5.5 J	2.3 U	1.9 U	5.5 JT
G135	LW2-G135	2.1 U	3.9 U	3.6 U	2.2 U	2.8 U	1.3 U	8	2 U	1.7 U	8 T
G136	LW2-G136	2.4 U	4.4 U	4 U	2.4 U	3.1 U	27 J	17 J	2.2 U	1.9 U	44 JT
G137	LW2-G137	2.4 U	4.4 U	4 U	2.4 U	3.1 U	1.4 U	7.4 J	2.2 U	1.9 U	7.4 JT
G138	LW2-G138	1.5 U	2.9 U	2.6 U	1.6 U	2 U	0.94 U	1.2 U	1.4 U	1.2 U	2.9 UT
G139	LW2-G139	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	3.6 UJ	21 J	3.6 UJ	3.6 UJ	3.6 UJ	21 JT
G140-1	LW2-G140-1	2.9 UJT	2.9 UJT	2.9 UJT	2.9 UJT	25 JT	1.8 UJT	19.5 JT	2.8 UJT	2.4 UJT	44.5 JT
G140-2	LW2-G140-2	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	2.6 UJ	1 U	1.2 U	1 U	2.6 UJT
G141	LW2-G141	1.7 U	3.2 U	2.9 U	1.8 U	2.2 U	1 U	3.6	1.6 U	1.4 U	3.6 T
G142	LW2-G142	1.6 U	2.9 U	2.6 U	1.6 U	2.1 U	13 J	3.2 UJ	3.2 UJ	1.3 U	13 JT
G143	LW2-G143	1.8 U	3.3 U	3 U	1.8 U	7.3 J	29	1.4 U	1.7 U	1.4 U	36.3 JT
G146	LW2-G146	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	1 UJ	2.4 UT
G147	LW2-G147	1.4 U	2.5 U	2.3 U	1.4 U	1.8 U	10	5.1	1.3 U	1.1 U	15.1 T
G149	LW2-G149	1.6 U	3 U	2.7 U	1.7 U	2.1 U	8.5 J	4.1	1.5 U	1.3 U	12.6 JT
G150	LW2-G150	2.1 U	3.9 U	3.5 U	2.1 U	2.7 U	15	1.6 U	1.9 U	1.7 UJ	15 T
G153	LW2-G153	2 U	3.7 U	3.4 U	2 U	2.6 U	9.5 J	9.6 J	1.9 U	1.6 UJ	19.1 JT
G154	LW2-G154	2.1 U	3.9 U	3.5 U	2.1 U	4.2 UJ	4.2 UJ	4.2 UJ	2 U	1.7 UJ	4.2 UJT
G155	LW2-G155	1.78 U	3.3 U	2.98 U	1.81 U	2.32 U	1.08 U	1.39 U	1.66 U	1.43 U	3.3 UT
G157	LW2-G157	1.38 U	2.56 U	2.31 U	1.41 U	1.8 U	0.84 U	1.08 U	1.29 U	1.11 U	2.56 UT
G159	LW2-G159	1.3 U	2.3 U	2.1 U	1.3 U	1.6 U	31 J	10	1.2 U	1 U	41 JT
G160	LW2-G160	1.35 U	2.5 U	2.26 U	1.37 U	1.76 U	0.821 U	1.05 U	1.26 U	1.08 U	2.5 UT
G161	LW2-G161	1.31 U	2.43 U	2.2 U	1.34 U	1.71 U	0.798 U	1.02 U	1.23 U	1.05 U	2.43 UT
G163	LW2-G163	1.22 U	2.26 U	2.04 U	1.24 U	1.59 U	0.741 U	0.95 U	1.14 U	0.977 U	2.26 UT
G164	LW2-G164	1.2 U	2.3 U	2 U	1.2 U	1.6 U	0.74 U	1.3 J	1.1 U	0.98 U	1.3 JT
G165	LW2-G165	2 U	3.6 U	3.3 U	2 U	2.6 U	8.5 J	5.3 J	1.8 U	1.6 UJ	13.8 JT
G166	LW2-G166	1.44 U	2.66 U	2.41 U	1.46 U	1.88 U	0.874 U	1.12 U	1.34 U	1.15 U	2.66 UT
G168	LW2-G168	1.6 U	3 U	2.7 U	1.6 U	2.1 U	13 J	7 J	1.5 U	1.3 U	20 JT
G170	LW2-G170	1.5 U	2.7 U	2.5 U	1.5 U	1.9 U	2.9 UJ	2.1 J	1.4 U	1.2 U	2.1 JT
G172	LW2-G172	2.2 U	4.1 U	3.7 U	2.2 U	2.9 U	5.7 J	4.7 J	2.1 U	1.8 U	10.4 JT
G175	LW2-G175	1.6 U	3 U	2.7 U	1.6 U	2.1 U	3.2 UJ	7.4 J	3.2 UJ	1.3 UJ	7.4 JT
G176	LW2-G176	1.2 U	2.3 U	2.1 U	1.2 U	1.6 U	0.75 U	0.96 U	1.1 U	0.99 U	2.3 UT
G178	LW2-G178	1.4 U	2.5 U	2.3 U	1.4 U	1.8 U	0.84 U	3.6	1.3 U	1.1 U	3.6 T
G179	LW2-G179	1.4 U	2.6 U	2.4 U	1.4 U	1.9 U	2.9 UJ	2.9 UJ	2.9 UJ	1.1 U	2.9 UJT
G180	LW2-G180	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJT
G181	LW2-G181	2.1 U	3.8 U	3.4 U	2.1 U	2.7 U	1.2 U	7.9	1.9 U	1.6 UJ	7.9 T
G182	LW2-G182	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	2.5 UJ	1.2 U	1 U	2.5 UJT
G183	LW2-G183	1.3 U	2.4 U	2.1 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	1 U	2.4 UT
G184	LW2-G184	2.7 U	5.1 U	4.6 U	34	3.6 U	9.3 J	2.1 U	2.6 U	2.2 U	43.3 JT
G186	LW2-G186	1.3 U	2.4 U	2.1 U	1.3 U	1.7 U	0.78 U	1 U	1.2 U	4.7 J	4.7 JT
G187	LW2-G187	1.5 U	2.7 U	2.5 U	1.5 U	1.9 U	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJT
G188	LW2-G188	2.1 U	3.8 U	3.5 U	2.1 U	2.7 U	11 J	12 J	1.9 U	1.7 UJ	23 JT
G189	LW2-G189	1.9 U	3.5 U	3.2 U	1.9 U	2.5 U	10	8.3	1.8 U	3.8 UJ	18.3 T
G190	LW2-G190	1.8 U	3.2 U	2.9 U	1.8 U	2.3 U	3.5 UJ	3.5 UJ	3.5 UJ	1.4 UJ	3.5 UJT
G191	LW2-G191	1.2 U	2.2 U	2 U	1.2 U	1.6 U	7.3	6.7	1.1 U	2.4 UJ	14 T
G192	LW2-G192	1.66 U	3.08 U	2.78 U	1.69 U	7.92	25.2 J	19	1.55 U	1.33 U	52.1 JT
G193	LW2-G193	1.4 U	2.6 U	2.4 U	1.4 U	12 J	0.87 U	11	1.3 U	1.1 U	23 JT
G194	LW2-G194	1.3 U	2.3 U	2.1 U	1.3 U	1.6 U	0.77 U	0.98 U	1.2 U	1 U	2.3 UT
G195	LW2-G195	1.9 U	3.6 U	3.2 U	2 U	2.5 U	11	8.3	1.8 U	3.9 UJ	19.3 T
G197-1	LW2-G197-1	1.46 UJ	2.71 UJ	2.45 UJ	1.49 UJ	10.9 J	0.889 UJ	27 J	1.37 UJ	13.7 J	51.6 JT
G197-2	LW2-G197-2	1.62 U	3 U	2.71 U	1.65 U	30.8 J	0.984 U	23 J	1.51 U	6.43 J	60.2 JT
G198	LW2-G198	1.61 U	2.98 U	2.69 U	1.64 U	11.9	52.3	30.2	1.5 U	17.6	112 T
G199	LW2-G199	1.62 U	3 U	2.71 U	1.65 U	5.26	47.9	28.3	1.51 U	11.9	93.4 T
G200	LW2-G200	1.64 U	3.03 U	2.74 U	1.67 U	2.59 J	9.81	4.87 J	1.53 U	1.31 U	17.3 JT
G202	LW2-G202	1.82 U	3.38 U	3.05 U	1.86 U	6.54 J	35.7 J	18	1.7 U	3.33 J	63.6 JT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G203-1	LW2-G203-1	1.8 UT	3.6 UT	3.2 UT	2 UT	14 JT	1.2 UT	35 T	1.8 UT	17 T	66 JT
G203-2	LW2-G203-2	1.7 U	3.2 U	2.9 U	1.8 U	13 J	1.1 U	32	1.6 U	12.5	57.5 JT
G204	LW2-G204	1.52 U	2.82 U	2.54 U	1.55 U	8.18	23.9 J	12.5	1.42 U	12.8	57.4 JT
G205	LW2-G205	1.27 U	2.55 UJ	2.13 U	1.29 U	1.66 U	0.773 U	1.69 J	1.19 U	1.02 U	1.69 JT
G206	LW2-G206	1.74 U	3.23 U	2.91 U	1.77 U	14.6 J	55 J	50.3 J	1.63 U	1.4 U	120 JT
G207	LW2-G207	3.72 U	6.89 U	6.22 U	3.78 U	36.4	102 J	55.8	3.48 U	10.6	205 JT
G208	LW2-G208	1.4 U	2.6 U	2.3 U	1.4 U	1.8 U	13	5.1	1.3 U	1.1 UJ	18.1 T
G209	LW2-G209	2.94 U	5.45 U	4.92 U	2.99 U	13	112	61.4	2.75 U	9.37	196 T
G210	LW2-G210	1.88 U	3.48 U	3.15 U	1.91 U	2.45 U	1.14 U	2.39 J	1.76 U	1.51 U	2.39 JT
G212-1	LW2-G212-1	1.57 UJ	2.92 UJ	2.63 UJ	1.6 UJ	5.39 J	27.2 J	4.32 J	1.47 UJ	1.26 UJ	36.9 JT
G212-2	LW2-G212-2	1.54 UJ	2.85 UJ	2.58 UJ	1.57 UJ	2.01 UJ	2.57 J	1.2 UJ	1.44 UJ	1.23 UJ	2.57 JT
G213	LW2-G213	1.79 U	3.31 U	2.99 U	1.82 U	2.33 U	1.09 U	1.4 U	1.67 U	1.43 U	3.31 UT
G214-1	LW2-G214-1	3.8 U	7 U	6.3 U	3.9 U	4.9 U	2.3 U	39	3.5 U	3 U	39 T
G215	LW2-G215	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	48 J	3.3 UJ	3.3 UJ	48 JT
G216	LW2-G216	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJ	2.4 UJT
G217	LW2-G217	1.38 U	2.56 U	2.31 U	1.41 U	1.8 U	0.84 U	1.08 U	1.29 U	1.11 U	2.56 UT
G218	LW2-G218	6.6 U	12 U	11 U	6.7 U	8.6 U	4 U	270 J	6.1 U	5.3 U	270 JT
G220	LW2-G220	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJ	3.2 UJT
G221	LW2-G221	1.3 U	2.6 U	2.3 U	1.9 U	2.8 U	0.88 U	3.6 J	1.3 U	1.1 U	3.6 JT
G222	LW2-G222	1.6 U	2.9 U	2.6 U	1.6 U	5.9 U	8.9 J	5.4 J	1.5 U	1.3 UJ	14.3 JT
G224	LW2-G224	1.6 U	3 U	2.7 U	1.6 U	2.1 U	0.98 U	10	1.5 U	1.3 UJ	10 T
G225	LW2-G225	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJ	18 UJT
G226	LW2-G226	1.8 U	3.4 U	3.1 U	1.9 U	2.4 U	1.1 U	26 J	1.7 U	1.5 U	26 JT
G227	LW2-G227	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	2.6 J	1.6 J	1.2 U	1 U	4.2 JT
G228	LW2-G228	2 U	3.7 U	3.3 U	2 U	2.6 U	1.2 U	16 J	1.9 U	1.6 U	16 JT
G229	LW2-G229	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJT
G230	LW2-G230	7.3 U	14 U	12 U	7.4 U	9.5 U	220	5.7 U	6.8 U	5.8 U	220 T
G231	LW2-G231	1.42 U	2.63 U	2.37 U	1.44 U	1.85 U	0.863 U	2.02 J	1.33 U	1.14 U	2.02 JT
G232	LW2-G232	1.75 U	3.25 U	2.94 U	1.78 U	5.75 J	1.07 U	40.5	1.64 U	3.51 UJ	46.3 JT
G233	LW2-G233	1.67 U	3.1 U	2.8 U	1.7 U	2.18 U	18.1	7.94 J	1.56 U	1.34 U	26 JT
G234	LW2-G234	2.43 U	4.49 U	4.06 U	2.47 U	3.16 U	1.47 U	1.89 U	2.27 U	1.95 U	4.49 UT
G235	LW2-G235	1.1 U	2 U	1.8 U	1.1 U	1.4 U	0.67 U	0.86 U	1 U	0.88 U	2 UT
G236	LW2-G236	4.7 U	8.7 U	7.8 U	4.8 U	6.1 U	2.8 U	160 J	4.4 U	3.7 U	160 JT
G237	LW2-G237	2.1 U	4 U	3.6 U	2.2 U	4.3 UJ	12 J	4.3 UJ	4.3 UJ	1.7 UJ	12 JT
G238	LW2-G238	2 U	3.7 U	3.4 U	2 U	33	75 J	38	1.9 U	1.6 U	146 JT
G239	LW2-G239	7.1 U	13 U	12 U	7.2 U	9.2 U	4.3 U	220	6.6 U	5.7 U	220 T
G240	LW2-G240	1.9 U	3.4 U	3.1 U	1.9 U	2.4 U	3.8 UJ	3.8 UJ	3.8 UJ	1.5 U	3.8 UJT
G241	LW2-G241	1.7 U	3.1 U	2.8 U	1.7 U	21	77	1.3 U	1.5 U	3.3 UJ	98 T
G242	LW2-G242	1.8 U	3.3 U	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	3.5 UJ	1.4 U	3.5 UJT
G243	LW2-G243	1.8 U	3.4 U	3 U	1.8 U	3.9 J	16 J	9.5	1.7 U	1.5 U	29.4 JT
G244	LW2-G244	3.08 U	5.71 U	5.16 U	3.14 U	4.02 U	49	133 J	2.88 U	2.47 U	182 JT
G245	LW2-G245	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	8.8	3.8 UJ	3.8 UJ	8.8 T
G246	LW2-G246	2.2 U	4.1 U	3.7 U	2.2 U	2.9 U	4.4 UJ	4.4 UJ	4.4 UJ	1.8 U	4.4 UJT
G247	LW2-G247	3.18 U	5.89 U	5.32 U	3.23 U	10.2	103	43.7	2.97 U	2.55 U	157 T
G248	LW2-G248	2.4 U	4.5 U	4.1 U	2.5 U	3.2 U	1.5 U	1.9 U	2.3 U	2 U	4.5 UT
G249	LW2-G249	1.38 U	2.56 U	2.32 U	1.41 U	1.8 U	0.841 U	2.74 J	1.29 U	1.11 U	2.74 JT
G250-1	LW2-G250	1.29 U	2.39 U	2.16 U	1.31 U	2.58 UJ	9.8 J	1.01 U	1.2 U	1.03 U	9.8 JT
G251-1	LW2-G251-1	1.9 U	3.5 U	3.2 U	1.9 U	3.8 UJ	3.8 UJ	8.6	1.8 U	1.5 U	8.6 T
G251-2	LW2-G251-2	2.1 U	3.9 U	3.5 U	2.1 U	4.2 UJ	4.2 UJ	8.9 J	1.9 U	1.7 U	8.9 JT
G252	LW2-G252	1.3 U	2.5 U	2.3 U	1.4 U	1.8 U	0.82 U	4.1 J	1.3 U	1.1 U	4.1 JT
G253	LW2-G253	1.2 U	2.2 U	2 U	1.2 U	1.6 U	0.73 U	0.94 U	1.1 U	0.97 U	2.2 UT
G254	LW2-G254	1.47 U	2.72 U	2.46 U	1.5 U	1.92 U	23.8 J	28.9 J	1.37 U	1.18 U	52.7 JT
G255	LW2-G255	1.6 U	2.9 U	2.6 U	1.6 U	2 U	3.7 J	1.2 U	1.5 U	2.4 J	6.1 JT
G257	LW2-G257	1.4 U	2.7 U	2.4 U	1.5 U	1.9 U	0.87 U	27	1.3 U	2.9 UJ	27 T
G258	LW2-G258	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJT
G259	LW2-G259	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJT
G260	LW2-G260	1.18 U	2.37 U	1.98 U	1.2 U	1.54 U	0.718 U	7.75 J	1.1 U	0.948 U	7.75 JT
G261	LW2-G261	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJT
G263	LW2-G263	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJ	3.17 UJT
G264	LW2-G264	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJ	4.64 UJT
G266	LW2-G266	1.6 U	2.9 U	2.6 U	1.6 U	2.1 U	3.2 UJ	6.7	1.5 U	3.2 UJ	6.7 T
G267	LW2-G267	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJ	3.86 UJT
G268	LW2-G268	1.96 U	3.64 U	3.28 U	2 U	9.29	58.6	44.5 J	1.83 U	3.93 U	112 JT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G269	LW2-G269	R	R	R	R	R	R	R	R	R	R
G270-1	LW2-G270-1	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJT
G270-2	LW2-G270-2	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJ	4.5 UJT
G271	LW2-G271	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJT
G272	LW2-G272	1.5 U	2.8 U	2.5 U	1.5 U	2 U	0.92 U	4.3 J	1.4 U	3 UJ	4.3 JT
G273	LW2-G273	1.73 UJ	3.2 UJ	2.89 UJ	1.75 UJ	30.8 J	59 J	32.6 J	1.61 UJ	1.38 UJ	122 JT
G274	LW2-G274	1.34 U	2.69 UJ	2.25 U	1.37 U	1.75 U	0.816 U	1.05 U	1.25 U	1.08 U	2.69 UJT
G276	LW2-G276	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJ	4.94 UJT
G277	LW2-G277	1.95 U	3.61 U	3.26 U	1.98 U	2.54 U	14 J	32.9 J	1.82 U	1.56 U	46.9 JT
G278	LW2-G278	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJT
G280	LW2-G280	4.25 U	7.88 U	7.12 U	4.33 U	5.82 J	2.59 U	341 J	3.97 U	3.41 U	347 JT
G282	LW2-G282	50.7 U	93.9 U	84.9 U	51.6 U	159 J	365 J	2610 J	47.4 U	40.7 U	3130 JT
G283	LW2-G283	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJ	3.81 UJT
G284	LW2-G284	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJT
G285	LW2-G285	1.2 U	2.3 U	2.1 U	1.3 U	1.6 U	0.76 U	0.97 U	1.2 U	2.5 UJ	2.5 UJT
G288	LW2-G288	3.48 U	6.98 U	5.83 U	3.54 U	4.54 U	6.98 UJ	2.72 U	3.25 U	2.79 U	6.98 UT
G292	LW2-G292	1.7 U	3.14 U	2.84 U	1.73 U	2.21 U	14 J	1.32 U	1.59 U	1.36 U	14 JT
G293	LW2-G293	1.9 U	3.6 U	3.2 U	2 U	5.5 J	1.2 U	13 J	1.8 U	3.8 UJ	18.5 JT
G294-1	LW2-G294-1	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	4.3 UJ	80 J	4.3 UJ	4.3 UJ	80 JT
G294-2	LW2-G294-2	4.2 UJT	4.2 UJT	4.2 UJT	4.2 UJT	36.5 JT	4.2 UJT	26 T	4.2 UJT	4.2 UJT	62.5 JT
G295	LW2-G295	2.11 U	3.91 U	3.53 U	2.15 U	11.3 J	19.8 J	78.7 J	1.97 U	1.69 U	110 JT
G296	LW2-G296	3.94 UJ	7.3 UJ	6.59 UJ	4.01 UJ	5.14 UJ	29.1 J	116 J	3.68 UJ	3.16 UJ	145 JT
G298	LW2-G298	7.12 UJ	14.2 UJ	11.9 UJ	7.24 UJ	9.27 UJ	4.32 UJ	5.55 UJ	6.65 UJ	5.71 UJ	14.2 UJT
G301	LW2-G301	1.82 U	3.64 U	3.04 U	1.85 U	3.64 UJ	3.64 UJ	9.29	3.64 UJ	1.46 U	9.29 T
G302	LW2-G302	4.02 UJ	4.02 UJ	4.02 UJ	4.02 UJ	71 J	58.8	32.7 J	4.02 UJ	4.02 UJ	163 JT
G303	LW2-G303	1.81 U	3.35 U	3.03 U	1.84 U	2.36 U	18.5 J	93.2	1.69 U	1.45 U	112 JT
G305	LW2-G305	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	42	4.2 UJ	35	4.2 UJ	4.2 UJ	77 T
G306	LW2-G306	1.4 U	2.5 U	2.3 U	1.4 U	1.8 U	0.82 U	3.4 J	1.3 U	2.7 UJ	3.4 JT
G307	LW2-G307	3.5 U	6.5 U	5.9 U	3.6 U	71 J	130 J	69 J	3.3 U	2.8 U	270 JT
G308	LW2-G308	1.45 U	2.68 U	2.42 U	1.47 U	18.4 J	34.4	15.3 J	1.35 U	1.16 U	68.1 JT
G309	LW2-G309	2.3 U	4.2 U	3.8 U	2.3 U	10 J	1.4 U	19 J	2.1 U	4.5 UJ	29 JT
G310	LW2-G310	4.2 U	7.8 U	7 U	4.3 U	77 J	150 J	80 J	3.9 U	8.4 UJ	307 JT
G311-1	LW2-G311-1	3.9 UJT	3.9 UJT	3.9 UJT	3.9 UJT	3.9 UJT	3.9 UJT	170 JT	3.9 UJT	3.9 UJT	170 JT
G311-2	LW2-G311-2	3.4 UJ	3.4 UJ	3.4 UJ	3.4 UJ	30 J	3.4 UJ	10	3.4 UJ	3.4 UJ	40 JT
G313	LW2-G313	5.6 U	10 U	9.4 U	5.7 U	62 J	110 J	65 J	5.2 U	11 UJ	237 JT
G314	LW2-G314	2.3 U	4.2 U	3.8 U	2.3 U	5.8 J	1.4 U	11 J	2.1 U	4.6 UJ	16.8 JT
G315	LW2-G315	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJ	3.64 UJT
G316	LW2-G316	1.31 U	2.43 U	2.2 U	1.34 U	1.71 U	0.798 U	1.02 U	1.23 U	1.05 U	2.43 UT
G317	LW2-G317	1.5 U	2.8 U	2.5 U	1.5 U	1.9 U	0.9 U	2 J	1.4 U	3 UJ	2 JT
G318	LW2-G318	1.41 U	2.81 U	2.35 U	1.43 U	16.9 J	18.7	10.2	1.31 U	1.13 U	45.8 JT
G319	LW2-G319	1.3 U	2.4 U	2.2 U	1.3 U	1.7 U	0.79 U	1 U	1.2 U	2.6 UJ	2.6 UJT
G320	LW2-G320	1.35 U	2.71 U	2.26 U	1.38 U	11.4 J	17.1	9.58	1.26 U	1.08 U	38.1 JT
G321	LW2-G321	5.67 UJ	5.67 UJ	5.67 UJ	5.67 UJ	3.69 U	72.2	44.8	2.64 U	2.27 UJ	117 T
G322	LW2-G322	1.7 U	3.2 U	2.9 U	1.7 U	110 J	58 J	24 J	1.6 U	3.4 UJ	192 JT
G323	LW2-G323	1.26 U	2.34 U	2.11 U	1.28 U	1.64 U	0.766 U	2.27 J	1.18 U	1.01 U	2.27 JT
G324-1	LW2-G324-1	1.3 U	2.4 U	2.2 U	1.3 U	11 J	0.8 U	8.8 J	1.2 U	1.1 U	19.8 JT
G324-2	LW2-G324-2	1.2 U	2.3 U	2.1 U	1.3 U	4.3 J	0.75 U	10	1.2 U	1 U	14.3 JT
G325	LW2-G325	3 U	5.6 U	5 U	3.1 U	3.9 U	1.8 U	5.8 J	2.8 U	6 UJ	5.8 JT
G326	LW2-G326	1.5 U	2.7 U	2.4 U	1.5 U	12 J	45 J	27 J	1.4 U	2.9 UJ	84 JT
G327	LW2-G327	2.89 U	5.36 U	4.84 U	2.94 U	50.6	112	71.9	2.7 U	11.2 J	246 JT
G328	LW2-G328	1.4 U	2.6 U	2.3 U	1.4 U	1.8 U	2.1 J	1.1 U	1.3 U	2.8 UJ	2.1 JT
G329	LW2-G329	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	4.92 UJ	1.49 UJ	1.92 UJ	2.3 UJ	1.97 UJ	4.92 UJT
G330	LW2-G330	8.5 UJ	8.5 UJ	8.5 UJ	8.5 UJ	8.5 UJ	8.5 UJ	37 J	8.5 UJ	8.5 UJ	37 JT
G331	LW2-G331	3.97 U	7.36 U	6.65 U	4.04 U	5.18 U	2.41 U	10.6 J	3.71 U	3.19 U	10.6 JT
G332	LW2-G332	41.9 UJ	41.9 UJ	41.9 UJ	41.9 UJ	41.9 UJ	41.9 UJ	41.9 UJ	41.9 UJ	16.8 UJ	41.9 UJT
G333	LW2-G333	7.32 U	14.7 U	12.2 U	14.7 UJ	14.7 UJ	14.7 UJ	35.6 J	14.7 UJ	5.87 U	35.6 JT
G334	LW2-G334	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJT
G335	LW2-G335	5.13 UJ	5.13 UJ	5.13 UJ	5.13 UJ	5.13 UJ	5.13 UJ	5.91	5.13 UJ	5.13 UJ	5.91 T
G336	LW2-G336	2.61 U	5.23 U	4.37 U	2.66 U	3.41 U	1.59 U	19.3	2.44 U	2.1 U	19.3 T
G338	LW2-G338	2.07 U	3.84 U	3.47 U	2.11 U	2.7 U	1.26 U	4.75	1.94 U	1.65 UJ	4.75 T
G339	LW2-G339	3.54 UJ	40.1	3.54 UJ	3.54 UJ	20.7	3.54 UJ	10.8	3.54 UJ	1.42 UJ	71.6 T
G340	LW2-G340	1.6 U	2.96 U	2.68 U	1.63 U	2.08 U	0.972 U	4.52	1.49 U	1.28 UJ	4.52 T
G342	LW2-G342	1.93 U	3.56 U	3.22 U	1.96 U	2.51 U	10.9 J	6.93 J	1.8 U	1.54 U	17.8 JT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G345-1	LW2-G345-1	3.8 UJT	3.8 UJT	3.8 UJT	3.8 UJT	3.8 UJT	3.8 UJT	19.5 JT	3.8 UJT	3.8 UJT	19.5 JT
G345-2	LW2-G345-2	7.3 UJ	7.3 UJ	7.3 UJ	7.3 UJ	7.3 UJ	7.3 UJ	17 J	7.3 UJ	7.3 UJ	17 JT
G346	LW2-G346	2.17 U	4.01 U	3.62 U	2.2 U	2.94 J	22.5 J	20.5	2.02 U	1.74 U	45.9 JT
G347	LW2-G347	2.19 U	4.05 U	3.65 U	2.22 U	9.26 J	24.4	28.6 J	2.04 U	1.75 U	62.3 JT
G348	LW2-G348	14.2 U	28.4 U	23.8 U	14.4 U	28.4 UJ	28.4 UJ	34.6	13.3 U	11.4 U	34.6 T
G350	LW2-G350	25.9 UJ	25.9 U	25.9 UJ	25.9 UJ	25.9 UJ	25.9 UJ	35.7 J	25.9 UJ	10.4 U	35.7 JT
G351	LW2-G351	11.2 UJ	11.2 UJ	11.2 UJ	11.2 UJ	211 J	75.8 J	21.7 J	11.2 UJ	11.2 UJ	309 JT
G351-2	LW2-G351-2	3.87 UJT	7.16 UJT	6.47 UJT	3.93 UJT	126 JT	45.3 JT	3.02 UJT	3.61 UJT	3.1 UJT	171 JT
G352	LW2-G352	1.78 U	3.3 U	2.98 U	1.81 U	2.33 U	16.8 J	9.41	1.67 U	1.43 U	26.2 JT
G353-1	LW2-G353-1	39 U	72 U	68 U	40 U	51 U	78 UJ	78 UJ	36 U	78 UJ	78 UJT
G353-2	LW2-G353-2	38 U	70 U	64 U	39 U	76 UJ	76 UJ	30 U	36 U	76 UJ	76 UJT
G354	LW2-G354	2.27 U	4.21 U	3.8 U	2.31 U	2.96 U	7.22	1.77 U	2.12 U	1.82 UJ	7.22 T
G355	LW2-G355	541 U	1000 U	905 U	550 U	705 U	329 U	422 U	505 U	434 U	1000 UT
G358	LW2-G358	2.3 U	4.2 U	3.8 U	2.3 U	3 U	1.4 U	9	2.1 U	4.6 UJ	9 T
G359	LW2-G359	4.38 UJ	4.38 UJ	4.38 UJ	4.38 UJ	4.38 UJ	4.38 UJ	4.38 UJ	4.38 UJ	1.75 UJ	4.38 UJT
G360	LW2-G360	1.85 UJ	3.43 UJ	3.1 UJ	1.88 UJ	116 J	3.71 UJ	34.8 J	1.73 UJ	1.49 UJ	151 JT
G362-1	LW2-G362-1	2.13 UT	3.95 UT	3.57 UT	2.17 UT	23.7 JT	14.9 JT	9.9 JT	1.99 UT	1.71 UT	48.5 JT
G362-2	LW2-G362-2	2.15 U	3.98 U	3.59 U	2.18 U	2.8 U	12.9	5.09	2.01 U	1.72 U	18 T
G363	LW2-G363	2.05 U	3.8 U	3.44 U	2.09 U	15.5	20.7 J	46	1.92 U	1.65 UJ	82.2 JT
G364	LW2-G364	1.51 U	2.79 U	2.52 U	1.53 U	8.5 J	77 J	62.5 J	1.41 U	1.21 U	148 JT
G365	LW2-G365	5.02 U	9.3 U	8.4 U	5.11 U	41.4	3.05 U	53.8	4.69 U	4.03 UJ	95.2 T
G366	LW2-G366	4.51 UJ	4.51 UJ	4.51 UJ	4.51 UJ	4.51 UJ	4.51 UJ	13.8 J	4.51 UJ	4.51 UJ	13.8 JT
G367	LW2-G367	9.57 U	17.7 U	16 U	9.74 U	106	728	147	8.94 U	7.68 U	981 T
G368	LW2-G368	2.19 U	4.05 U	3.66 U	2.23 U	7.78 J	3.65 J	2.49 J	2.04 U	1.75 U	13.9 JT
G369	LW2-G369	2.41 U	4.46 U	4.03 U	2.45 U	3.14 U	10.8	9.5	2.25 U	4.83 UJ	20.3 T
G370	LW2-G370	2.16 U	4 U	3.61 U	2.2 U	2.81 U	25.5	15.2	2.02 U	1.73 U	40.7 T
G371	LW2-G371	2.91 U	5.39 U	4.87 U	2.96 U	56.9 J	21 J	6.86	2.72 U	2.33 U	84.8 JT
G372-1	LW2-G372-1	5.2 UT	9.5 UT	8.6 UT	5.2 UT	6.7 UT	133 T	45.5 JT	4.8 UT	10 UJT	179 JT
G372-2	LW2-G372-2	5.3 U	9.9 U	8.9 U	5.4 U	6.9 U	62	33	5 U	11 UJ	95 T
G373	LW2-G373	2.4 U	4.4 U	4 U	2.4 U	3.1 U	8 J	7.1 J	2.2 U	4.7 UJ	15.1 JT
G374	LW2-G374	2.37 U	4.39 U	3.96 U	2.41 U	3.09 U	12.8 J	9.8 J	2.21 U	4.74 UJ	22.6 JT
G375	LW2-G375	2.2 U	4.07 U	3.68 U	2.24 U	2.87 U	20.9 J	14	2.05 U	4.4 UJ	34.9 JT
G376	LW2-G376	2.31 U	4.28 U	3.86 U	2.35 U	35	142	39.4	2.16 U	1.85 U	216 T
G377	LW2-G377	1.27 U	2.35 U	2.12 U	1.29 U	1.65 U	0.851 J	0.99 U	1.19 U	1.02 U	0.851 JT
G378	LW2-G378	2.05 U	3.8 U	3.44 U	2.09 U	2.68 U	10.4 J	9.41 J	1.92 U	4.11 UJ	19.8 JT
G379	LW2-G379	11.6 U	21.5 U	19.4 U	11.8 U	32	130	218	10.8 U	9.31 U	380 T
G380	LW2-G380	2.5 U	4.63 U	4.19 U	2.55 U	32.7	113	29.1	2.34 U	2.01 U	175 T
G381	LW2-G381	4.04 U	7.48 U	6.75 U	4.11 U	39	2.45 U	46.2	3.77 U	8.08 UJ	85.2 T
G382	LW2-G382	2.51 U	4.65 U	4.2 U	2.56 U	46.6	184	215 J	2.35 U	2.01 U	446 JT
G383	LW2-G383	1.21 U	2.24 U	2.03 U	1.23 U	5.97 J	22.9	6.68 J	1.13 U	0.972 U	35.6 JT
G384-1	LW2-G384-1	2.7 UT	5 UT	4.5 UT	2.7 UT	3.5 UT	28.5 JT	15.5 T	2.5 UT	5.4 UJT	44 JT
G384-2	LW2-G384-2	3 U	5.6 U	5.1 U	3.1 U	15 J	53 J	23	2.8 U	6.1 UJ	91 JT
G385	LW2-G385	10.7 U	19.9 U	17.9 U	10.9 U	85.5	637	260	10 U	8.6 U	983 T
G386	LW2-G386	5.03 U	99.4	8.42 U	5.12 U	14.7	41.1	12.4	4.7 U	4.04 UJ	168 T
G387	LW2-G387	2.8 U	5.2 U	4.7 U	2.9 U	3.7 U	11	7.9	2.6 U	5.6 UJ	18.9 T
G388	LW2-G388	2.56 U	4.74 U	4.28 U	2.6 U	11.9	86.4	16.7 J	2.39 U	2.05 U	115 JT
G389	LW2-G389	1.47 U	2.73 U	2.46 U	1.5 U	1.92 U	0.895 U	1.15 U	1.38 U	1.18 U	2.73 UT
G390	LW2-G390	53 UJ	53 UJ	53 UJ	53 UJ	53 UJ	1100	330	53 UJ	53 UJ	1430 T
G391	LW2-G391	2.27 U	4.2 U	3.8 U	2.31 U	5.2 J	1.38 U	7.7	2.12 U	4.54 UJ	12.9 JT
G392	LW2-G392	1.9 U	3.51 U	3.17 U	1.93 U	2.47 U	40.4 J	34.1 J	1.77 U	1.52 U	74.5 JT
G393	LW2-G393	22.3 U	41.3 U	37.3 U	22.7 U	283	667	1360	20.8 U	17.9 U	2310 T
G394	LW2-G394	17.1 U	31.7 U	28.6 U	17.4 U	22.3 U	10.4 U	703	16 U	34.2 UJ	703 T
G395	LW2-G395	3.39 UJ	3.14 U	3.39 UJ	3.39 UJ	2.21 U	12.3 J	6.41 J	1.58 U	3.39 UJ	18.7 JT
G396	LW2-G396	1.52 U	2.82 U	2.55 U	1.55 U	1.99 U	0.925 U	1.19 U	1.42 U	1.22 U	2.82 UT
G397	LW2-G397	20 U	37 U	34 U	20 U	26 U	12 U	330	19 U	40 UJ	330 T
G398	LW2-G398	2.6 U	4.8 U	4.3 U	2.6 U	3.4 U	5.2 UJ	5.2 UJ	5.2 UJ	5.2 UJ	5.2 UJT
G399	LW2-G399	1.47 U	2.71 U	2.45 U	1.49 U	14.1 J	0.89 U	10.5	1.37 U	2.93 UJ	24.6 JT
G400	LW2-G400	1.74 U	3.23 U	2.92 U	1.77 U	2.27 U	8.76	5.12	1.63 U	3.49 UJ	13.9 T
G401	LW2-G401	1.72 U	3.18 U	2.88 U	1.75 U	13	15.3	7.99	1.61 U	1.38 U	36.3 T
G402	LW2-G402	12.8 U	23.7 U	21.4 U	13 U	45.6 J	193	440	12 U	10.3 U	679 JT
G403	LW2-G403	1.27 U	2.35 U	2.13 U	1.29 U	1.66 U	0.773 U	0.992 U	1.19 U	1.02 U	2.35 UT
G404	LW2-G404	5.78 U	10.7 U	9.67 U	5.88 U	14.5	3.51 U	12.4	5.4 U	11.6 UJ	26.9 T
G405	LW2-G405	1.24 U	2.3 U	2.08 U	1.26 U	1.62 U	8.88	5.86	1.16 U	0.995 U	14.7 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G406	LW2-G406	3.4 UJ	3.15 U	3.4 UJ	3.4 UJ	3.4 UJ	3.4 UJ	8.3 J	3.4 UJ	3.4 UJ	8.3 JT
G407	LW2-G407	1.68 U	3.11 U	2.81 U	1.71 U	11.3	75.7 J	9.5	1.57 U	1.35 U	96.5 JT
G408	LW2-G408	2.63 U	4.88 U	4.41 U	2.68 U	12.8	74.7 J	36.5	2.46 U	2.11 U	124 JT
G409	LW2-G409	1.81 U	3.35 U	3.03 U	1.84 U	2.36 U	8.59 J	4.66 J	1.69 U	1.45 U	13.3 JT
G410-1	LW2-G410-1	2.5 U	4.63 U	4.18 U	2.54 U	3.26 U	12.8	9.08	2.33 U	2 U	21.9 T
G410-2	LW2-G410-2	2.65 U	4.91 U	4.44 U	2.7 U	3.46 U	9 J	12.1 J	2.48 U	2.13 U	21.1 JT
G411	LW2-G411	1.22 U	2.27 U	2.05 U	1.24 U	1.59 U	6.48 J	9.61	1.14 U	0.981 U	16.1 JT
G412	LW2-G412	1.86 U	3.45 U	3.11 U	3.73 UJ	3.73 UJ	3.73 UJ	9.05 J	3.73 UJ	3.73 UJ	9.05 JT
G413	LW2-G413	1.21 U	2.25 U	2.03 U	1.23 U	9.17 J	35.6	6.36	1.13 U	0.974 U	51.1 JT
G414	LW2-G414	1.93 U	3.57 U	3.23 U	1.96 U	2.51 U	1.17 U	7.67 J	1.8 U	3.86 UJ	7.67 JT
G415	LW2-G415	6.09 U	11.3 U	10.2 U	6.19 U	105	522	253 J	5.68 U	4.88 U	880 JT
G416	LW2-G416	5.43 U	10.1 U	9.08 U	5.52 U	27	137 J	169	5.07 U	4.35 U	333 JT
G417	LW2-G417	4.05 U	7.49 U	6.77 U	4.11 U	5.27 U	42.1 U	107	3.78 U	3.24 U	107 T
G418	LW2-G418	2.42 U	4.48 U	4.05 U	2.46 U	3.16 U	1.47 U	14.3 J	2.26 U	4.85 UJ	14.3 JT
G419	LW2-G419	1.97 U	3.65 U	3.3 U	2 U	2.57 U	14.3 J	14.7	1.84 U	3.95 UJ	29 JT
G420	LW2-G420	1.89 U	3.5 U	3.16 U	1.92 U	2.46 U	11.4 J	5.56	1.76 U	1.51 U	17 JT
G421	LW2-G421	11 U	20.3 U	18.3 U	11.1 U	76.4	345	134 J	10.2 U	8.78 U	555 JT
G422	LW2-G422	1.62 U	3 U	2.71 U	1.65 U	20.9	42.1 J	20.5	1.51 U	3.24 UJ	83.5 JT
G423	LW2-G423	2.2 U	4.08 U	3.68 U	2.24 U	6.61	26.6	15.7	2.06 U	4.41 UJ	48.9 T
G424	LW2-G424	1.77 U	3.29 U	2.97 U	1.81 U	2.31 U	11.6 J	5.17	1.66 U	1.42 U	16.8 JT
G425	LW2-G425	1.31 U	2.43 U	2.19 U	1.33 U	1.71 U	8.86 J	6.01	1.22 U	1.05 U	14.9 JT
G426	LW2-G426	2.74 U	5.08 U	4.58 U	2.79 U	27	101	165 J	2.56 U	2.2 U	293 JT
G427	LW2-G427	2.01 U	3.73 U	3.37 U	2.05 U	16	64	4.03 UJ	1.88 U	4.03 UJ	80 T
G428	LW2-G428	1.95 U	3.61 U	3.26 U	1.98 U	2.54 U	7.67	5.86	1.82 U	3.9 UJ	13.5 T
G429	LW2-G429	1.61 U	2.98 U	2.69 U	1.63 U	2.09 U	0.977 U	25.2	1.5 U	3.22 UJ	25.2 T
G430	LW2-G430	1.31 U	2.43 U	2.2 U	1.34 U	1.71 U	2.39 J	1.02 U	1.23 U	1.05 U	2.39 JT
G431	LW2-G431	1.55 U	2.88 U	2.6 U	1.58 U	18.6	30.2	77.7 J	1.45 U	1.25 U	127 JT
G432	LW2-G432	9.13 U	16.9 U	15.3 U	9.28 U	69.2	304 J	217	8.52 U	18.3 UJ	590 JT
G433-1	LW2-G433-1	1.92 U	3.55 U	3.2 U	1.95 U	3.45 J	9.95	16.8 J	1.79 U	3.63 J	33.8 JT
G433-2	LW2-G433-2	2.04 U	3.77 U	3.41 U	2.07 U	3.88 J	9.13	21	1.9 U	1.63 U	34 JT
G434	LW2-G434	5.7 U	10.6 U	9.54 U	5.8 U	26.9	127 J	91	5.33 U	11.4 UJ	245 JT
G435	LW2-G435	2.04 U	3.78 U	3.42 U	2.08 U	2.66 U	9.78	5.31	1.91 U	4.09 UJ	15.1 T
G436	LW2-G436	1.14 U	2.11 U	1.91 U	1.16 U	1.49 U	2.37 J	1.91 J	1.07 U	2.28 UJ	4.28 JT
G437	LW2-G437	1.6 U	2.96 U	2.68 U	1.63 U	8.34	28.4	18.8	1.49 U	1.28 U	55.5 T
G438	LW2-G438	1.27 U	2.35 U	2.13 U	1.29 U	1.66 U	15.7 J	11.4	1.19 U	2.54 UJ	27.1 JT
G439	LW2-G439	2.13 U	3.95 U	3.57 U	2.17 U	4.57	23.6	18.6	1.99 U	1.71 U	46.8 T
G440	LW2-G440	1.97 UJ	3.65 UJ	3.29 UJ	2 UJ	15.7 J	1.2 UJ	13.7 J	1.84 UJ	1.58 UJ	29.4 JT
G441	LW2-G441	1.77 U	3.27 U	2.95 U	1.8 U	15.7	1.07 U	16.5	1.65 U	1.42 UJ	32.2 T
G442	LW2-G442	1.8 U	3.33 U	3 U	1.83 U	2.34 U	24.9 J	20	1.68 U	3.59 UJ	44.9 JT
G443	LW2-G443	2.2 U	4.1 U	3.7 U	2.2 U	2.9 U	4.4 UJ	4.4 UJ	4.4 UJ	4.4 UJ	4.4 UJT
G444	LW2-G444	1.89 U	3.5 U	3.16 U	1.92 U	30.7	33.9 J	18.2	1.76 U	1.51 UJ	82.8 JT
G445	LW2-G445	11.6 U	21.6 U	19.5 U	11.8 U	186	7.07 U	85	10.9 U	9.33 UJ	271 T
G446	LW2-G446	7.45 U	13.8 U	12.5 U	7.58 U	88.6 J	94.2 J	5.81 U	6.96 U	5.98 UJ	183 JT
G447	LW2-G447	1.79 UJ	3.32 UJ	3 UJ	1.82 UJ	18.6 J	32.4 J	16 J	1.67 UJ	1.44 UJ	67 JT
G448	LW2-G448	6.7 UJ	12.4 UJ	11.2 UJ	6.82 UJ	36.6 J	37.3 J	16.1 J	6.26 UJ	5.38 UJ	90 JT
G449	LW2-G449	2.5 U	4.6 U	4.1 U	2.5 U	6.1 J	1.5 U	14	2.3 U	4.9 UJ	20.1 JT
G450-1	LW2-G450-1	9.6 U	18 U	16 U	9.8 U	67	5.8 U	27 J	9 U	19 UJ	94 JT
G450-2	LW2-G450-2	7.5 U	14 U	13 U	7.7 U	66	4.6 U	32	7 U	15 UJ	98 T
G451	LW2-G451	2.94 U	5.45 U	4.92 U	2.99 U	10.3	1.79 U	22.9	2.75 U	2.36 UJ	33.2 T
G452	LW2-G452	2.6 U	4.8 U	4.4 U	2.7 U	3.4 U	1.6 U	8.7	2.4 U	5.2 UJ	8.7 T
G453	LW2-G453	1310 UJ	2420 UJ	2190 UJ	1330 UJ	22300 J	794 UJ	5070 J	1220 UJ	1050 UJ	27400 JT
G454	LW2-G454	1.33 U	2.47 U	2.23 U	1.36 U	1.74 U	7.31 J	4.43	1.24 U	1.07 U	11.7 JT
G455	LW2-G455	49.8 U	92.3 U	83.8 U	50.7 U	692	30.3 U	103	46.5 U	40 UJ	795 T
G456	LW2-G456	10.4 UJ	19.2 UJ	17.4 UJ	10.6 UJ	86.8 J	68.7 J	33.3 J	9.7 UJ	8.33 UJ	189 JT
G457	LW2-G457	3.85 UJ	7.14 UJ	6.45 UJ	3.92 UJ	56.8 J	57.8 J	26.9 J	3.6 UJ	3.09 UJ	142 JT
G458	LW2-G458	2.4 U	4.4 U	4 U	2.4 U	7.6 J	1.4 U	16	2.2 U	4.7 UJ	23.6 JT
G459	LW2-G459	1.29 U	16.3 J	2.15 U	1.31 U	1.68 U	11.9 J	4.9	1.2 U	1.03 UJ	33.1 JT
G460	LW2-G460	2.5 U	4.7 U	4.2 U	2.6 U	3.3 U	1.5 U	9.1	2.4 U	5 UJ	9.1 T
G461	LW2-G461	4.3 UJ	7.97 UJ	7.2 UJ	4.38 UJ	23 J	38.3 J	17.8 J	4.02 UJ	3.45 UJ	79.1 JT
G462	LW2-G462	2.4 U	4.4 U	4 U	2.4 U	5 J	15 J	15 J	2.2 U	4.8 UJ	35 JT
G463	LW2-G463	1.49 U	10.7	2.5 U	1.52 U	1.95 U	7.79 J	6.22 J	1.39 U	1.2 UJ	24.7 JT
G464	LW2-G464	2.4 U	4.5 U	4.1 U	2.5 U	3.2 U	1.5 U	10	2.3 U	4.9 UJ	10 T
G465	LW2-G465	2.61 UJ	21.6	3.54 UJ	2.61 UJ	2.61 UJ	2.61 UJ	2.61 UJ	2.61 UJ	1.04 UJ	21.6 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G466	LW2-G466	1.86 UJ	3.45 UJ	3.11 UJ	1.89 UJ	2.43 UJ	8.62 J	3.1 J	1.74 UJ	1.49 UJ	11.7 JT
G467	LW2-G467	25.3 U	46.9 U	42.3 U	25.7 U	489	616	160	23.6 U	20.3 UJ	1270 T
G468	LW2-G468	2.25 UJ	4.16 UJ	3.76 UJ	2.29 UJ	24 J	1.37 UJ	22.6 J	2.1 UJ	1.8 UJ	46.6 JT
G469	LW2-G469	2.3 U	4.3 U	3.9 U	2.4 U	3 U	1.4 U	13	2.2 U	4.6 UJ	13 T
G470	LW2-G470	1.74 U	44.2	2.92 U	1.77 U	2.27 U	8.48 J	7.78	1.63 U	1.4 UJ	60.5 JT
G471	LW2-G471	2.24 UJ	4.16 UJ	3.75 UJ	2.28 UJ	2.93 UJ	8.7 J	6.02 J	2.1 UJ	1.8 UJ	14.7 JT
G472	LW2-G472	1.39 U	109	2.33 U	1.42 U	12.8	11.4	7.6	1.3 U	1.12 U	141 T
G473	LW2-G473	53.9 U	99.8 U	90.2 U	54.8 U	701	32.8 U	770	50.3 U	43.2 UJ	1470 T
G474	LW2-G474	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	16	2.3 U	4.8 UJ	16 T
G475-1	LW2-G475-1	1.83 U	3.38 U	3.05 U	1.86 U	2.38 U	6.61 J	2.63 J	1.71 U	1.46 UJ	9.24 JT
G475-2	LW2-G475-2	1.83 U	3.39 U	3.06 U	1.86 U	2.39 U	7.52 J	3.62 J	1.71 U	1.47 UJ	11.1 JT
G476	LW2-G476	1.6 U	78.3	2.68 U	1.63 U	9.46 J	10.6 J	5.6	1.5 U	1.29 U	104 JT
G477	LW2-G477	51 U	94.4 U	85.2 U	51.8 U	302	1650	411	47.6 U	40.9 UJ	2360 T
G478	LW2-G478	1.79 UJ	3.32 UJ	3 UJ	1.82 UJ	9.69 J	5.89 J	1.4 UJ	1.67 UJ	1.44 UJ	15.6 JT
G479	LW2-G479	2 UJ	3.71 UJ	3.35 UJ	2.04 UJ	4.44 J	1.22 UJ	14.6 J	1.87 UJ	1.61 UJ	19 JT
G480	LW2-G480	1.27 U	2.35 U	2.12 U	1.29 U	18	83.3	43.4	1.18 U	1.02 UJ	145 T
G481	LW2-G481	1.61 U	61.6	2.69 U	1.64 U	6.4	0.979 U	7.24	1.5 U	1.29 U	75.2 T
G482	LW2-G482	2.3 UJ	4.27 UJ	3.85 UJ	2.34 UJ	3 UJ	11.6 J	6.42 J	2.15 UJ	1.85 UJ	18 JT
G483	LW2-G483	1.92 UJ	3.55 UJ	3.21 UJ	1.95 UJ	2.5 UJ	1.17 UJ	3.42 J	1.79 UJ	1.54 UJ	3.42 JT
G484	LW2-G484	2.05 U	71.5	3.43 U	2.09 U	9.42 J	9.39 J	5.44	1.92 U	1.64 U	95.8 JT
G485	LW2-G485	1.62 UJ	3.23 UJ	3.23 UJ	3.23 UJ	2.11 UJ	30.2 J	20.1 J	1.51 UJ	1.3 UJ	50.3 JT
G486	LW2-G486	1.99 UJ	3.69 UJ	3.33 UJ	2.03 UJ	2.6 UJ	13.7 J	5.74 J	1.86 UJ	1.6 UJ	19.4 JT
G487	LW2-G487	1.23 U	28	2.06 U	1.25 U	4.59 J	6.64	6.87 J	1.15 U	0.986 U	46.1 JT
G488	LW2-G488	8.17 UJ	15.1 UJ	13.7 UJ	16.4 UJ	10.6 UJ	4.96 UJ	85 J	7.63 UJ	6.55 UJ	85 JT
G489	LW2-G489	2.21 UJ	4.08 UJ	3.69 UJ	2.24 UJ	2.87 UJ	8.21 J	1.72 UJ	2.06 UJ	1.77 UJ	8.21 JT
G490	LW2-G490	2.2 U	4.07 U	3.67 U	2.23 U	2.86 U	1.33 U	6.88	2.05 U	1.76 U	6.88 T
G491	LW2-G491	2 U	3.7 U	3.34 U	2.03 U	14.6	1.21 U	20.1	1.87 U	1.6 U	34.7 T
G492-1	LW2-G492-1	7.4 UT	14 UT	12 UT	7.5 UT	23 T	4.5 UT	150 T	6.9 UT	15 UJT	173 T
G492-2	LW2-G492-2	7.3 U	14 U	12 U	7.5 U	16	4.5 U	94	6.9 U	15 UJ	110 T
G493	LW2-G493	2.26 U	4.18 U	3.78 U	2.3 U	2.94 U	1.37 U	8.04	2.11 U	1.81 UJ	8.04 T
G494	LW2-G494	19.1 U	35.5 U	32 U	19.5 U	86.5 J	104	409	17.9 U	15.4 U	600 JT
G495	LW2-G495	2.4 U	4.45 U	4.02 U	2.44 U	3.13 U	1.46 U	14.6	2.24 U	1.93 U	14.6 T
G496	LW2-G496	1.31 U	2.43 U	2.19 U	1.33 U	1.71 U	0.796 U	19.4	1.22 U	1.89 J	21.3 JT
G497	LW2-G497	5.6 U	10 U	9.4 U	5.7 U	71	3.4 U	200	5.3 U	11 UJ	271 T
G498	LW2-G498	1.92 U	3.56 U	3.22 U	1.96 U	2.51 U	1.17 U	5.49	1.8 U	1.54 U	5.49 T
G499	LW2-G499	2.21 U	4.09 U	3.69 U	2.24 U	2.88 U	15.9	8.62	2.06 U	1.77 UJ	24.5 T
G500	LW2-G500	1.6 U	2.97 U	2.68 U	1.63 U	4.61	24.7 J	14.6	1.5 U	1.29 UJ	43.9 JT
G501	LW2-G501	2.39 U	4.42 U	3.99 U	2.43 U	3.11 U	1.45 U	8.91 J	2.23 U	1.91 U	8.91 JT
G502	LW2-G502	1.2 U	2.23 U	2.01 U	1.22 U	1.57 U	22.4 J	12.2 J	1.12 U	0.965 UJ	34.6 JT
G503	LW2-G503	14.2 U	26.4 U	23.8 U	14.5 U	18.6 U	489	364	13.3 U	44.7	898 T
G504	LW2-G504	4.55 U	8.42 U	7.61 U	4.62 U	22.8	91.2 J	53.2	4.25 U	3.65 UJ	167 JT
G505	LW2-G505	13.4 UJ	13.4 UJ	13.4 UJ	13.4 UJ	13.4 UJ	45.5 J	13.4 UJ	13.4 UJ	13.4 UJ	45.5 JT
G506	LW2-G506	1.71 U	11.5	2.87 U	1.74 U	12.8	26	19.9	1.6 U	1.37 UJ	70.2 T
G507	LW2-G507	1.5 U	2.78 U	2.51 U	1.53 U	1.96 U	0.912 U	7.56 J	1.4 U	1.2 UJ	7.56 JT
G508	LW2-G508	1.23 U	2.28 U	2.06 U	1.25 U	3.76	15.6 J	7.46	1.15 U	0.986 UJ	26.8 JT
G509	LW2-G509	1.87 U	3.47 U	3.13 U	1.9 U	7.47 J	15.8 J	10.6	1.75 U	1.5 UJ	33.9 JT
G510	LW2-G510	2.23 U	4.13 U	3.73 U	2.27 U	2.9 U	8.65	1.74 U	2.08 U	1.79 UJ	8.65 T
G511	LW2-G511	1.82 U	3.37 U	3.04 U	1.85 U	2.37 U	9.1	6.19	1.7 U	1.46 UJ	15.3 T
G512	LW2-G512	1.66 U	3.07 U	2.77 U	1.68 U	2.16 U	1.01 U	1.29 U	1.55 U	1.33 UJ	3.07 UT
G513	LW2-G513	1.68 U	3.11 U	2.81 U	1.71 U	2.19 U	8.56	1.31 U	1.57 U	1.34 UJ	8.56 T
G514	LW2-G514	2.16 U	4 U	3.61 U	2.2 U	2.82 U	7.12	36.2	2.02 U	1.73 UJ	43.3 T
G515	LW2-G515	2.04 U	3.77 U	3.41 U	2.07 U	2.66 U	4.82	8.1	1.9 U	1.63 UJ	12.9 T
G516	LW2-G516	1.48 U	12.4	2.47 U	1.5 U	1.93 U	6.85	8.88	1.38 U	1.18 UJ	28.1 T
G517	LW2-G517	1.7 U	3.14 U	2.84 U	1.73 U	6.31 J	18.4	11.8	1.58 U	1.36 UJ	36.5 JT
G518	LW2-G518	1.59 U	2.95 U	2.67 U	1.62 U	2.08 U	14.6 J	22.3	1.49 U	1.28 UJ	36.9 JT
G519-1	LW2-G519-1	2.3 U	4.3 U	3.9 U	33	3 U	24	12	2.2 U	1.9 U	69 T
G519-2	LW2-G519-2	2.3 U	4.4 U	3.9 U	30	3.1 U	22	10	2.2 U	1.9 U	62 T
G520	LW2-G520	2.37 U	4.39 U	3.96 U	2.41 U	3.09 U	11.8	6.94	2.21 U	1.9 U	18.7 T
G521	LW2-G521	1.93 U	3.58 U	3.23 U	1.96 U	6.61	24.5	11.6 J	1.8 U	1.55 U	42.7 JT
BT001	LW2-GBT001	2 U	2 U	2 U	2 U	29 J	31 J	14	2 U	2 U	74 JT
BT002	LW2-GBT002	18 U	18 U	18 U	18 U	570	410	150	18 U	18 U	1130 T
BT003	LW2-GBT003	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.2 U	3.3	1.8 U	1.8 U	3.3 T
BT004	LW2-GBT004	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
BT005	LW2-GBT005	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	15 J	14	1.9 U	1.9 U	29 JT
BT0061	LW2-GBT006-1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	34 J	20	1.7 U	1.7 U	54 JT
BT0062	LW2-GBT006-2	1.7 UT	1.7 UT	1.7 UT	1.7 UT	1.7 UT	56.5 T	36 T	1.7 UT	1.7 UT	92.5 T
BT007	LW2-GBT007	1.6 U	2 U	3.9 U	2.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.9 UT
BT008	LW2-GBT008	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	30 J	36	3.6 U	3.6 U	66 JT
BT009	LW2-GBT009	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	11 U	16 J	2.5 U	2.5 U	16 JT
BT010	LW2-GBT010	1.8 U	3.7 U	3.4 U	1.8 U	2.6 U	5.3 U	7.5 J	1.8 U	1.8 U	7.5 JT
BT011	LW2-GBT011	4.5 U	5.3 U	9.9 U	7.6 U	5.6 U	7.9 U	11 U	3 U	3 U	11 UT
BT012	LW2-GBT012	4.7 U	8.7 U	8.2 U	4.8 U	7.1 U	9.6 U	17	2.1 U	2.1 U	17 T
BT013	LW2-GBT013	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	29	1.8 U	1.8 U	29 T
BT014	LW2-GBT014	3.4 U	12 U	9.9 U	4.7 U	4.5 U	23 U	9.8 U	5.8 U	2.4 U	23 UT
BT015	LW2-GBT015	3.5 U	14 U	6.4 U	5.5 U	6.5 U	20 U	13 J	3.1 U	3.1 U	13 JT
BT016	LW2-GBT016	52 U	26 U	26 U	63 U	88 U	120 U	850	26 U	26 U	850 T
BT017	LW2-GBT017	95 U	22 U	170 U	140 U	110 U	45 U	55 U	22 U	22 U	170 UT
BT018	LW2-GBT018	41 U	34 U	69 U	42 U	26 U	80 U	45 U	25 U	16 U	80 UT
BT019	LW2-GBT019	2.4 U	4 U	7 U	4.9 U	3.3 U	5.3 U	9 J	2.4 U	2.4 U	9 JT
BT020	LW2-GBT020	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	20	13	2.5 U	2.5 U	33 T
BT021	LW2-GBT021	2.2 U	2.2 U	2.2 U	22	2.2 U	2.2 U	12	2.2 U	2.2 U	34 T
BT022	LW2-GBT022	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	50	56	3.7 U	3.7 U	106 T
BT023	LW2-GBT023	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	66 J	38 J	3.2 U	3.2 U	104 JT
BT024	LW2-GBT024	2 U	2 U	2 U	2 U	2 U	44 J	28	2 U	2 U	72 JT
BT025	LW2-GBT025	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	9.7 U	15 J	2.2 U	2.2 U	15 JT
BT026	LW2-GBT026	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	210	2.9 U	2.9 U	210 T
BT0271	LW2-GBT027-1	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	27 J	26 J	4.2 U	4.2 U	53 JT
BT0272	LW2-GBT027-2	2.2 UT	2.2 UT	2.2 UT	2.2 UT	2.3 UT	2.2 UT	15 JT	2.2 UT	2.2 UT	15 JT
BT028	LW2-GBT028	30 U	30 U	30 U	820	30 U	370	30 U	30 U	30 U	1190 T
BT029	LW2-GBT029	2 U	2 U	2 U	2 U	2 U	2 U	53 J	2 U	2 U	53 JT
BT030	LW2-GBT030	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	17 J	28	2.1 U	2.1 U	45 JT
BT031	LW2-GBT031	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	19	2.2 U	2.2 U	19 T
BT032	LW2-GBT032	2.1 U	2.1 U	2.1 U	54 J	2.1 U	2.1 U	250	2.1 U	2.1 U	304 JT
BT033	LW2-GBT033	2.8 U	4 U	6 U	5.2 U	4.4 U	5.1 U	7 J	2.7 U	2.7 U	7 JT
U1C-1	LW2-U1C-1	1.4 U	2.59 U	2.34 U	1.42 U	1.83 U	0.851 U	4.46	1.31 U	1.12 U	4.46 T
U1C-2	LW2-U1C-2	1.37 U	2.53 U	2.29 U	1.39 U	1.78 U	0.832 U	1.07 U	1.28 U	1.1 U	2.53 UT
U1C-3	LW2-U1C-3	1.61 U	2.98 U	2.69 U	1.64 U	2.1 U	0.977 U	1.25 U	1.5 U	1.29 U	2.98 UT
U2C-1	LW2-U2C-1	1.74 U	3.22 U	2.91 U	1.77 U	2.27 U	2.28	1.53 J	1.62 U	1.39 U	3.81 JT
U2C-2	LW2-U2C-2	1.53 U	2.84 U	2.57 U	1.56 U	2 U	26	11 J	1.43 U	1.23 U	37 JT
U2C-3	LW2-U2C-3	1.52 U	2.82 U	2.54 U	1.55 U	1.98 U	0.924 U	1.19 U	1.42 U	1.22 U	2.82 UT
U3C-1	LW2-U3C-1	1.43 U	2.64 U	2.38 U	1.45 U	1.86 U	0.866 U	1.11 U	1.33 U	1.14 U	2.64 UT
U3C-2	LW2-U3C-2	1.59 U	2.94 U	2.65 U	1.61 U	2.07 U	1.16 J	2.3 J	1.48 U	1.27 U	3.46 JT
U3C-3	LW2-U3C-3	1.55 U	2.87 U	2.59 U	1.58 U	2.02 U	0.942 U	1.47 J	1.45 U	1.24 U	1.47 JT
U4Q-1	LW2-U4Q-1	1.75 U	3.24 U	2.93 U	1.78 U	2.28 U	1.86 J	1.37 U	1.64 U	1.4 U	1.86 JT
U4Q-2	LW2-U4Q-2	1.57 U	2.9 U	2.62 U	1.59 U	2.04 U	0.951 U	1.22 U	1.46 U	1.25 U	2.9 UT
U4Q-3	LW2-U4Q-3	1.55 U	2.87 U	2.59 U	1.58 U	2.02 U	0.942 U	1.21 U	1.45 U	1.24 U	2.87 UT
U5Q-1	LW2-U5Q-1	1.3 U	2.41 U	2.17 U	1.32 U	1.69 U	0.789 U	1.01 U	1.21 U	1.04 U	2.41 UT
U5Q-2	LW2-U5Q-2	1.29 U	2.39 U	2.16 U	1.31 U	1.68 U	0.784 U	1.01 U	1.21 U	1.03 U	2.39 UT
U5Q-3	LW2-U5Q-3	1.37 U	2.54 U	2.3 U	1.4 U	1.79 U	0.834 U	1.07 U	1.28 U	1.1 U	2.54 UT
U6TOC-1	LW2-U6TOC-1	1.7 U	3.16 U	2.85 U	1.73 U	2.22 U	1.04 U	1.33 U	1.59 U	1.37 U	3.16 UT
U6TOC-2	LW2-U6TOC-2	2.83 U	5.25 U	4.74 U	2.88 U	3.69 U	1.72 U	3 J	2.65 U	2.27 U	3 JT
U6TOC-3	LW2-U6TOC-3	2.59 U	4.8 U	4.34 U	2.64 U	4.82 J	2.96 J	3.61 J	2.42 U	2.08 U	11.4 JT
02R001	LWG0102R001SDS015C00	39 U	78 U	39 U	39 U	730	360	110 U			1090 T
02R015	LWG0102R015SDS015C00	39 U	77 U	39 U	39 U	680	500	340 U			1180 T
03B030	LWG0103B030SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.7 UT
03B031	LWG0103B031SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	8	3.9 U	3.9 U			8 T
03B033	LWG0103B033SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.8 UT
03R001	LWG0103R001SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.9 UT
03R002	LWG0103R002SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	6.4 U	17 U	26 U			26 UT
03R003	LWG0103R003SDS015C10	3.8 U	7.6 U	3.8 U	3.8 U	3.8 U	6.6 U	6.8			6.8 T
03R003	LWG0103R003SDS015C20	3.9 U	7.9 U	3.9 U	3.9 U	3.9 U	6.8	9			15.8 T
03R003	LWG0103R003SDS015C31	3.9 UT	7.8 UT	3.9 UT	3.9 UT	3.9 UT	4 UT	7.2 T			7.2 T
03R004	LWG0103R004SDS015C11	20 UT	39 UT	20 UT	220 T	20 UT	78 T	47.5 T			346 T
03R004	LWG0103R004SDS015C20	3.9 U	7.7 U	3.9 U	150	3.9 U	64	45			259 T
03R004	LWG0103R004SDS015C30	3.9 U	7.9 U	3.9 U	54	3.9 U	34	34			122 T
03R005	LWG0103R005SDS015C00	40 U	79 U	40 U	40 U	310 U	1500	650 U			1500 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
03R032	LWG0103R032SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	6.1 U	17	10			27 T
03R034	LWG0103R034SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	4.7	7.8			12.5 T
03R040	LWG0103R040SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	6.4 U	13 U	13 U			13 UT
03R041	LWG0103R041SDS015C00	4 U	7.9 U	4 U	4 U	10 U	11	21 U			11 T
04B023	LWG0104B023SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	3.9 U	3.4 J			3.4 JT
04B024	LWG0104B024SDS015C00	3.8 U	7.6 U	3.8 U	3.8 U	6 U	7.7 U	5.2 U			7.7 UT
04R002	LWG0104R002SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	7.3 U	22 U	66			66 T
04R003	LWG0104R003SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	12	18	21 U			30 T
04R004	LWG0104R004SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	6.2 U	16	10 U			16 T
05B018	LWG0105B018SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	8.8	11			19.8 T
05B019	LWG0105B019SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.7 UT
05R001	LWG0105R001SDS015C00	4 U	7.9 U	4 U	4 U	4 U	4 U	4 U			7.9 UT
05R003	LWG0105R003SDS015C00	20 U	39 U	20 U	20 U	73 U	250	170 U			250 T
05R020	LWG0105R020SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	4.8 U	9 U	15 U			15 UT
05R040	LWG0105R040SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	7.4 U	9.1 U			9.1 UT
05R041	LWG0105R041SDS015C00	4 U	7.9 U	4 U	4 U	4 U	4 U	7.4			7.4 T
06B022	LWG0106B022SDS015C00	4 U	7.9 U	4 U	4 U	4 U	2.5 J	4 U			2.5 JT
06B025	LWG0106B025SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	29	25 U			29 T
06B026	LWG0106B026SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U			7.7 UT
06B029	LWG0106B029SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U			7.7 UT
06B030	LWG0106B030SDS015C00	3.8 U	7.6 U	3.8 U	3.8 U	3.8 U	8.1 U	16			16 T
06R001	LWG0106R001SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	13 J	14 J	3.9 U			27 JT
06R002	LWG0106R002SDS015C10	3.8 U	7.7 U	3.8 U	3.8 U	3.8 U	22 U	75 U			75 UT
06R002	LWG0106R002SDS015C20	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	20 U	3.9 U			20 UT
06R002	LWG0106R002SDS015C31	3.9 UT	7.8 UT	3.9 UT	3.9 UT	3.9 UT	24 UT	3.9 UT			24 UT
06R004	LWG0106R004SDS015C00	3.8 U	7.6 U	3.8 U	3.8 U	100 U	75 U	3.8 U			100 UT
06R031	LWG0106R031SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	12 U	13 U	14 U			14 UT
06R040	LWG0106R040SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	8.1 U	31 U	42			42 T
07B022	LWG0107B022SDS015C00	3.9 U	7.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.9 UT
07B023	LWG0107B023SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	23 U	25 U			25 UT
07B024	LWG0107B024SDS015C00	3.8 U	7.6 U	3.8 U	3.8 U	3.8 U	23 U	46 U			46 UT
07R003	LWG0107R003SDS015C00	1300 U	2600 U	1300 U	1300 U	1300 U	1300 U	1300 U			2600 UT
07R004	LWG0107R004SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	7.1 U	14			14 T
07R006	LWG0107R006SDS015C00	1100 U	2100 U	1100 U	1100 U	1100 U	2200 U	1100 U			2200 UT
07R030	LWG0107R030SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	8.4	9 U	9.6 U			8.4 T
07R040	LWG0107R040SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	9.4 U	3.9 U			9.4 UT
08B032	LWG0108B032SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	6.9	9.9 J			16.8 JT
08R001	LWG0108R001SDS015C00	4 U	7.9 U	4 U	4 U	8.5 U	14	21 U			14 T
08R002	LWG0108R002SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	6.8 U	13	9.5			22.5 T
08R003	LWG0108R003SDS015C00	4 U	7.9 U	4 U	4 U	4 U	22	15			37 T
08R040	LWG0108R040SDS015C00	20 U	39 U	20 U	20 U	51 U	250	110			360 T
08R041	LWG0108R041SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	77 J	44 U	40 U			77 JT
09B024	LWG0109B024SDS015C00	3.8 U	7.5 U	3.8 U	3.8 U	3.8 U	5.6	3.5 J			9.1 JT
09B026	LWG0109B026SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U			7.8 UT
09B027	LWG0109B027SDS015C10	3.9 U	7.9 U	3.9 U	3.9 U	3.9 U	10	10 U			10 T
09B027	LWG0109B027SDS015C20	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	26	54			80 T
09B027	LWG0109B027SDS015C31	3.9 UT	7.8 UT	3.9 UT	3.9 UT	3.9 UT	19.5 T	8.6 UT			19.5 T
09B028	LWG0109B028SDS015C00	3.9 U	7.7 U	3.9 U	3.9 U	3.9 U	3.9 U	3.7 J			3.7 JT
09R001	LWG0109R001SDS015C10	3.9 U	7.8 U	3.9 U	3.9 U	11 U	21 U	31 U			31 UT
09R001	LWG0109R001SDS015C20	3.9 U	7.9 U	3.9 U	3.9 U	8.8 U	24 U	21			21 T
09R001	LWG0109R001SDS015C31	3.9 UT	7.8 UT	3.9 UT	3.9 UT	17 UT	62 JT	82.5 JT			145 JT
09R002	LWG0109R002SDS015C00	3.8 U	7.7 U	3.8 U	3.8 U	23 U	60 U	98			98 T
09R040	LWG0109R040SDS015C00	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U	6.6	10 U			6.6 T
09R041	LWG0109R041SDS015C00	3.8 U	7.6 U	3.8 U	3.8 U	3.8 U	23 U	42			42 T
NA-2B	NA-2B-0031	2.03 U	3.76 U	3.4 U	2.07 U	2.65 U	9.41 J	5.86	1.9 U	1.63 U	15.3 JT
NA-3B	NA-3B-0034	1.49 U	2.75 U	2.49 U	1.51 U	18.6 J	26.7 J	18.2 J	1.39 U	1.19 U	63.5 JT
NA-4B	NA-4B-0024	2.47 U	4.57 U	4.13 U	2.51 U	23.4	80.7 J	54.4 J	2.3 U	1.98 U	159 JT
DM-1	PSYD&M97DM01DM01	20 U	40 U	20 U	20 U	20 U	168	20 U			168 T
DM-9	PSYD&M97DM09DM09T	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
DM-16	PSYD&M97DM16DM16	20 U	40 U	20 U	20 U	20 U	20 U	70.1			70.1 T
DM-22	PSYD&M97DM22DM22	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
PSY01	PSYSEA98PSY01PSY01S	10 U	10 U	10 U	10 U	10 U	70	42			112 T
PSY03	PSYSEA98PSY03PSY03S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
PSY04	PSYSEA98PSY04PSY04S	10 U	10 U	10 U	10 U	10 U	70	46			116 T
PSY05	PSYSEA98PSY05PSY05S	10 U	10 U	10 U	10 U	10 U	24	29			53 T
PSY06	PSYSEA98PSY06PSY06S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY07	PSYSEA98PSY07PSY07S	10 U	10 U	10 U	10 U	10 U	54	62			116 T
PSY08	PSYSEA98PSY08PSY08S	10 UT	10 UT	10 UT	10 UT	10 UT	97.5 T	46.5 T			144 T
PSY08	PSYSEA98PSY08PSY52S	10 U	10 U	10 U	10 U	10 U	157	74			231 T
PSY08	PSYSEA98PSY08PSY53S	10 U	10 U	10 U	10 U	10 U	52	49			101 T
PSY10	PSYSEA98PSY10PSY10S	10 U	10 U	10 U	10 U	10 U	52	77			129 T
PSY11	PSYSEA98PSY11PSY11S	10 U	10 U	10 U	10 U	10 U	170	184			354 T
PSY12	PSYSEA98PSY12PSY12S	10 U	10 U	10 U	10 U	10 U	37	20			57 T
PSY14	PSYSEA98PSY14PSY14S	10 U	10 U	10 U	10 U	10 U		2500			2500 T
PSY15	PSYSEA98PSY15PSY15S	10 U	10 U	10 U	10 U	10 U	78	38			116 T
PSY16	PSYSEA98PSY16PSY16S	10 U	10 U	10 U	10 U	10 U	62	46			108 T
PSY17	PSYSEA98PSY17PSY17S	10 U	10 U	10 U	10 U	10 U	256	138			394 T
PSY18	PSYSEA98PSY18PSY18S	10 U	10 U	10 U	10 U	10 U	189	64			253 T
PSY19	PSYSEA98PSY19PSY19S	10 U	10 U	10 U	10 U	10 U	58	24			82 T
PSY20	PSYSEA98PSY20PSY20S	10 U	10 U	10 U	10 U	10 U	209	48			257 T
PSY21	PSYSEA98PSY21PSY21S	10 U	10 U	10 U	10 U	10 U	54	15			69 T
PSY22	PSYSEA98PSY22PSY22S	10 U	10 U	10 U	10 U	10 U	81	27			108 T
PSY23	PSYSEA98PSY23PSY23S	10 U	10 U	10 U	10 U	10 U	25	18			43 T
PSY24	PSYSEA98PSY24PSY24S	10 U	10 U	10 U	10 U	10 U	11	10 U			11 T
PSY25	PSYSEA98PSY25PSY25S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY26	PSYSEA98PSY26PSY26S	10 U	10 U	10 U	10 U	10 U	294	85			379 T
PSY27	PSYSEA98PSY27PSY27S	10 U	10 U	10 U	10 U	10 U	227	57			284 T
PSY28	PSYSEA98PSY28PSY28S	10 U	10 U	10 U	10 U	10 U	47	15			62 T
PSY29	PSYSEA98PSY29PSY29S	10 U	10 U	10 U	10 U	10 U	202	98			300 T
PSY30	PSYSEA98PSY30PSY30S	10 U	10 U	10 U	10 U	10 U	16	10 U			16 T
PSY31	PSYSEA98PSY31PSY31S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY32	PSYSEA98PSY32PSY32S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY33	PSYSEA98PSY33PSY33S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY34	PSYSEA98PSY34PSY34S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY35	PSYSEA98PSY35PSY35S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY36	PSYSEA98PSY36PSY36S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY37	PSYSEA98PSY37PSY37S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY38	PSYSEA98PSY38PSY38S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY39	PSYSEA98PSY39PSY39S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY40	PSYSEA98PSY40PSY40S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY41	PSYSEA98PSY41PSY41S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY42	PSYSEA98PSY42PSY42S	10 U	10 U	10 U	10 U	10 U	10 U	43			43 T
PSY43	PSYSEA98PSY43PSY43S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY44	PSYSEA98PSY44PSY44S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY45	PSYSEA98PSY45PSY45S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY46	PSYSEA98PSY46PSY46S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY47	PSYSEA98PSY47PSY47S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY48	PSYSEA98PSY48PSY48S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY49	PSYSEA98PSY49PSY49S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY50	PSYSEA98PSY50PSY50S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY70	PSYSEA98PSY70PSY70S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY71	PSYSEA98PSY71PSY71S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY72	PSYSEA98PSY72PSY72S	10 UT	10 UT	10 UT	10 UT	10 UT	25 T	30.5 T			43 T
PSY72	PSYSEA98PSY72PSY74S	10 U	10 U	10 U	10 U	10 U	10 U	13			13 T
PSY72	PSYSEA98PSY72PSY75S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY76	PSYSEA98PSY76PSY76S	10 U	10 U	10 U	10 U	10 U	51	37			88 T
PSY77	PSYSEA98PSY77PSY77S	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
REFC	PSYSEA98REFCSY60SC	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
REFF	PSYSEA98REFFSY61SF	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
REFM	PSYSEA98REFMSY62SM	10 U	10 U	10 U	10 U	11	18	10 U			29 T
SD01	WLCAYH00SD01SD01S	10 U	20 U	11 U	10 U	10 U	23	12			35 T
SD02	WLCAYH00SD02SD02S	10 U	20 U	10 U	10 U	10 U	10 U	7 J			7 T
SD03	WLCAYH00SD03SD03S	10 U	20 U	15 U	10 U	10 U	9 J	6 J			15 T
SD04	WLCAYH00SD04SD04S	10 U	20 U	10 U	350	10 U	200	10 U			550 T
SD0102	WLCCPF01SD0102SD2S1C	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
SD0105	WLCCPF01SD0105D5SC1C	12 U	12 U	12 U	12 U	12 U	45	34.1			79.1 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
WR-PG-01	WLCDRD05PG00101	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	9.9 J	9.8 J	3.4 U	3.4 U	19.7 T
WR-PG-02	WLCDRD05PG00202	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	9.3 J	9.6 J	3.5 U	3.5 U	18.9 T
WR-PG-03	WLCDRD05PG00303	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	8.9 J	11 J	3.2 U	3.2 U	19.9 T
WR-PG-04	WLCDRD05PG00404	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	21	19 J	2.6 U	2.6 U	40 T
WR-PG-06	WLCDRD05PG00606	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	12 J	14	3.1 U	3.1 U	26 T
WR-PG-09	WLCDRD05PG00909	3 U	3 U	3 U	3 U	3 U	12	12	3 U	3 U	24 T
WR-PG-11	WLCDRD05PG01111	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	55	31 J	3.2 U	3.2 U	86 T
WR-PG-12	WLCDRD05PG01212	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	13	11 J	2.7 U	2.7 U	24 T
WR-PG-13	WLCDRD05PG01313	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	8.3 J	27 J	2.8 U	2.8 U	35.3 T
WR-PG-14	WLCDRD05PG01414	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	8.9 U	7.8 J	3.3 U	3.3 U	7.8 T
WR-PG-15	WLCDRD05PG01515	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	15	2.8 U	2.8 U	15 T
WR-PG-16	WLCDRD05PG01616	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	15 U	27 J	2.6 U	2.6 U	27 T
WR-PG-17	WLCDRD05PG01717	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	17	2.9 U	2.9 U	17 T
WR-PG-18	WLCDRD05PG01818	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	11 U	8 J	2.7 U	2.7 U	8 T
WR-PG-19	WLCDRD05PG01919	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	17	2.9 U	2.9 U	17 T
WR-PG-21	WLCDRD05PG02121	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26	2.6 U	2.6 U	26 T
WR-PG-22	WLCDRD05PG02222	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	15 J	3.3 U	3.3 U	15 T
WR-PG-23	WLCDRD05PG02323	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	99	81	2.7 U	2.7 U	180 T
WR-PG-24	WLCDRD05PG02424	3 U	3 U	3 U	3 U	3 U	74	50	3 U	3 U	124 T
WR-PG-26	WLCDRD05PG02626	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
WR-PG-27	WLCDRD05PG02727	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	250	1.8 U	1.8 U	250 T
WR-PG-29	WLCDRD05PG02929	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	21	16	3.2 U	3.2 U	37 T
WR-PG-30	WLCDRD05PG03030	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	14 J	3.1 U	3.1 U	14 T
WR-PG-33	WLCDRD05PG03333	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	16	2.2 U	2.2 U	16 T
WR-PG-34	WLCDRD05PG03434	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	14 J	3.6 U	3.6 U	14 T
WR-PG-35	WLCDRD05PG03535	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	8.3 J	8.8 J	2.7 U	2.7 U	17.1 T
WR-PG-36	WLCDRD05PG03636	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12	2.5 U	2.5 U	12 T
WR-PG-37	WLCDRD05PG03737	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	15	19	2.5 U	2.5 U	34 T
WR-PG-39	WLCDRD05PG03939	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	8.3 J	9.6 J	2.6 U	2.6 U	17.9 T
WR-PG-41	WLCDRD05PG04141	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	18	17 J	2.5 U	2.5 U	35 T
WR-PG-42	WLCDRD05PG04242	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	10 U	10 U	2.2 U	2.2 U	10 UT
WR-PG-43	WLCDRD05PG04343	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	7.2 J	8.3 J	2.9 U	2.9 U	15.5 T
WR-PG-45	WLCDRD05PG04545	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	8.3 J	15	2.4 U	2.4 U	23.3 T
WR-PG-47	WLCDRD05PG04747	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	7.9 J	9.8 J	2.9 U	2.9 U	17.7 T
WR-PG-48	WLCDRD05PG04848	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	22 J	2.9 U	2.9 U	22 T
WR-PG-50	WLCDRD05PG05050	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	37 U	17	3.1 U	3.1 U	17 T
WR-PG-52	WLCDRD05PG05252	2.7 U	2.7 U	2.7 U	2.7 U	20	18 U	16	2.7 U	2.7 U	36 T
WR-PG-54	WLCDRD05PG05454	3 U	3 U	3 U	3 U	3 U	21 U	8.8 J	3 U	3 U	8.8 T
WR-PG-56	WLCDRD05PG05656	19 U	12 U	21 U	13 U	18 U	50 U	20 U	17 U	7.1 U	50 UT
WR-PG-58	WLCDRD05PG05858	36 U	45 U	94 U	68 U	49 U	96 U	59 U	36 U	44 U	96 UT
WR-PG-60	WLCDRD05PG06060	2.4 U	2.4 U	2.4 U	2.4 U	62	150	110	2.4 U	2.4 U	322 T
WR-PG-61	WLCDRD05PG06161	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	8 J	11	2.9 U	2.9 U	19 T
WR-PG-62	WLCDRD05PG06262	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	24 NJ	10 J	2.9 U	2.9 U	34 T
WR-PG-63	WLCDRD05PG06363	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	190 J	2.4 U	2.4 U	190 T
WR-PG-64	WLCDRD05PG06464	7.7 U	20 U	25 U	17 U	12 U	37 U	13 U	14 U	7 U	37 UT
WR-PG-66	WLCDRD05PG06666	9 U	30 U	28 U	9.6 U	8.9 U	19 U	11 U	16 U	10 U	30 UT
WR-PG-68	WLCDRD05PG06868	22 U	23 U	44 U	42 U	41 U	330 U	72 U	38 U	14 U	330 UT
WR-PG-70	WLCDRD05PG07070	21 U	20 U	59 U	34 U	40 U	75 U	21 U	32 U	15 U	75 UT
WR-PG-72	WLCDRD05PG07272	28 U	22 U	39 U	40 U	30 U	96 U	20 U	19 U	11 U	96 UT
WR-PG-74	WLCDRD05PG07474	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	20	14	3.4 U	3.4 U	34 T
WR-PG-76	WLCDRD05PG07676	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	9.5 J	13	3.3 U	3.3 U	22.5 T
WR-PG-78	WLCDRD05PG07878	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	11	15	3.4 U	3.4 U	26 T
WR-PG-80	WLCDRD05PG08080	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	11	28	3.2 U	3.2 U	39 T
WR-PG-82	WLCDRD05PG08282	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	9.5 J	7.9 J	2.6 U	2.6 U	17.4 T
WR-PG-84	WLCDRD05PG08484	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	9.1 J	13 J	3.2 U	3.2 U	22.1 T
WR-PG-86	WLCDRD05PG08686	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	10 J	11	3.5 U	3.5 U	21 T
WR-PG-88	WLCDRD05PG08888	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	14	13	3.7 U	3.7 U	27 T
WR-PG-90	WLCDRD05PG09090	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	8.6 J	9.6 J	3.7 U	3.7 U	18.2 T
WR-PG-92	WLCDRD05PG09292	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	8 J	9.3 J	3.7 U	3.7 U	17.3 T
WR-PG-94	WLCDRD05PG09494	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	19	19	3.6 U	3.6 U	38 T
WR-PG-96	WLCDRD05PG09696	4 U	4 U	4 U	4 U	4 U	9.2 J	10 J	4 U	4 U	19.2 T
WR-PG-98	WLCDRD05PG09898	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	8.3 J	8.5 J	3.5 U	3.5 U	16.8 T
WR-PG-100	WLCDRD05PG100100	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	11 J	15	3.9 U	3.9 U	26 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
WR-PG-102	WLCDRD05PG102102	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	10 J	12	3.4 U	3.4 U	22 T
WR-PG-104	WLCDRD05PG104104	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	51	3.6 U	3.6 U	51 T
WR-PG-106	WLCDRD05PG106106	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	81 J	65	3.1 U	3.1 U	146 T
WR-PG-108	WLCDRD05PG108108	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	29 J	66	1.9 U	1.9 U	95 T
WR-PG-112	WLCDRD05PG112112	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	9.5 J	38	3.3 U	3.3 U	47.5 T
WR-PG-114	WLCDRD05PG114114	3 U	3 U	3 U	3 U	3 U	9.8 J	9.9 J	3 U	3 U	19.7 T
WR-PG-116	WLCDRD05PG116116	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	8.9 J	7.7 J	3.1 U	3.1 U	16.6 T
WR-PG-118	WLCDRD05PG118118	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	7.9 J	10 J	3.2 U	3.2 U	17.9 T
WR-PG-120	WLCDRD05PG120120	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	10 J	8.1 J	4.7 U	4.7 U	18.1 T
WR-PG-122	WLCDRD05PG122122	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	17 J	16	3.2 U	3.2 U	33 T
WR-PG-124	WLCDRD05PG124124	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	8.6 J	7.8 J	2.9 U	2.9 U	16.4 T
WR-PG-126	WLCDRD05PG126126	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	6.7 J	6.1 J	2.6 U	2.6 U	12.8 T
WR-PG-128	WLCDRD05PG128128	3 U	3 U	3 U	3 U	3 U	9.6 J	8.3 J	3 U	3 U	17.9 T
WR-PG-130	WLCDRD05PG130130	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	13 J	20	2.8 U	2.8 U	33 T
WR-PG-132	WLCDRD05PG132132	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	9.2 J	9.5 J	3.4 U	3.4 U	18.7 T
WR-PG-134	WLCDRD05PG134134	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	9.3 J	7.8 J	2.7 U	2.7 U	17.1 T
WR-PG-45	WLCDRD05PG135135Dup	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	11 J	10	2.4 U	2.4 U	21 T
WR-PG-39	WLCDRD05PG136136Dup	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	7.3 J	10	2.6 U	2.6 U	17.3 T
WR-PG-27	WLCDRD05PG137137Dup	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	210	1.9 U	1.9 U	210 T
WR-PG-48	WLCDRD05PG138138Dup	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	28	2.8 U	2.8 U	28 T
WR-PG-36	WLCDRD05PG139139Dup	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	11 J	2.5 U	2.5 U	11 T
WR-PG-06	WLCDRD05PG140140Dup	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	9.1 J	11 J	3.1 U	3.1 U	20.1 T
WR-PG-01	WLCDRD05PG141141Dup	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6.9 J	9.8 J	3.4 U	3.4 U	16.7 T
WR-PG-Ref01	WLCDRD05PGR01Ref01	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UT
WR-PG-Ref02	WLCDRD05PGR02Ref02	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.8 J	2.1 U	2.1 U	2.1 U	4.8 T
WR-PG-Ref03	WLCDRD05PGR03Ref03	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 UT
HC-REF-01	WLCDRI03CREF01CREF01	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U			3.4 U
HC-REF-02	WLCDRI03CREF02CREF02	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	4.7 J	3.6 U			4.7 J
REFSAMP	WLCGAF00EFSAMPGACREF	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
GAC-001	WLCGAF00GAC001GAC001	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
GAC-002	WLCGAF00GAC002GAC002	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
GAC-003	WLCGAF00GAC003GAC003	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
GAC-004	WLCGAF00GAC004GAC004	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
GAC-005	WLCGAF00GAC005GAC005	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
A2GS09	WLCGNG03A2GS09A2GS09	67 U	134 U	67 U	67 U	67 U	67 U	67 U			134 UT
A2GS10	WLCGNG03A2GS10A2GS10	67 U	134 U	67 U	67 U	67 U	78.5	67.6			146 T
A2GS11	WLCGNG03A2GS11A2GS11	67 U	134 U	67 U	67 U	67 U	68.3	67 U			68.3 T
A2GS12	WLCGNG03A2GS12A2GS12	67 U	134 U	67 U	67 U	508	67 U	97.5			606 T
S1	WLCGXV99S1S1_10	67 U	137 U	67 U	67 U	67 U	67 U	67 U			137 UT
S2	WLCGXV99S2S2_10	67 U	134 U	67 U	67 U	67 U	67 U	67 U			134 UT
S3	WLCGXV99S3S3_10	137 U	274 U	137 U	137 U	137 U	137 U	137 U			274 UT
S4	WLCGXV99S4S4_10	67 U	134 U	67 U	67 U	67 U	67 U	67 U			134 UT
SD01	WLCMFH00SD01SD01	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
SD03	WLCMFH00SD03SD03	12 U	16 U	20 U	16 U	10 U	10 U	12			12 T
SD04	WLCMFH00SD04SD04S	10 U	20 U	17 U	10 U	10 U	10 U	13			13 T
SD05	WLCMFH00SD05SD05S	10 U	20 U	18 U	13 U	16 U	38 U	19			19 T
SD06	WLCMFH00SD06SD06S	10 U	20 U	10 U	10 U	10 U	10 U	8 J			8 T
CS004	WLCMRI02CS004CS004	20 UT	39 UT	20 UT	20 UT	20 UT	20 UT	20 UT			39 UT
CS005	WLCMRI02CS005CS005	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
PP011801	WLCOFH0218011801	6.63 U	2.53 U	4.29 U	3.16 U	32.6	18.7	13.4	3.5 U	3.5 U	64.7 T
PP011802	WLCOFH0218021802	5.98 U	2.28 U	3.87 U	2.85 U	158	115	3.21 U	3.16 U	3.16 U	273 T
PP011803	WLCOFH0218031803	6.04 UT	2.3 UT	3.9 UT	2.88 UT	139 T	61.1 T	36.9 T	3.19 UT	3.19 UT	237 T
PP011805	WLCOFH0218051805	6.89 U	2.62 U	4.46 U	3.28 U	154	83.2	3.69 U	3.64 U	3.64 U	237.2 T
PP011806	WLCOFH0218061806	6.82 U	2.6 U	4.41 U	3.25 U	407	159	74	3.6 U	3.6 U	640 T
PP011807	WLCOFH0218071807	5.99 U	2.28 U	3.87 U	2.85 U	316	113	49.5	3.16 U	3.16 U	478.5 T
PP011808	WLCOFH0218081808	6.3 U	2.4 U	4.08 U	3 U	223	81.8	52.1	3.32 U	3.32 U	357 T
PP011809	WLCOFH0218091809	5.94 U	2.26 U	3.84 U	2.83 U	106	38.4	19.5	3.14 U	3.14 U	163.9 T
PP011810	WLCOFH0218101810	8.46 U	3.22 U	5.47 U	4.03 U	54.5	24.5	14.3	4.46 U	4.46 U	93.3 T
PP01M101	WLCOFH02M101M101	7.7 UT	2.93 UT	4.98 UT	3.67 UT	73.9 T	81 T	116 T	4.07 UT	4.07 UT	271 T
PP01M103	WLCOFH02M103M103	8.75 U	3.33 U	5.66 U	4.17 U	3.09 U	59.5	61.5	4.62 U	4.62 U	121 T
PP01M104	WLCOFH02M104M104	6.8 U	2.59 U	4.4 U	3.24 U	2.4 U	2.07 U	3.65 U	3.59 U	3.59 U	6.8 UT
PP01M105	WLCOFH02M105M105	46	2.64 U	4.48 U	3.3 U	78.5	78.7	135	3.66 U	3.66 U	338.2 T
PP01M106	WLCOFH02M106M106	6.59 U	2.51 U	4.27 U	3.14 U	2.33 U	19.7	14.8	3.48 U	3.48 U	34.5 T

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
PP01M107	WLCOFH02M107M107	6.18 U	2.35 U	4 U	2.94 U	2.18 U	1.88 U	3.31 U	3.26 U	3.26 U	6.18 UT
PP01M108	WLCOFH02M108M108	7.43 U	2.83 U	4.81 U	3.54 U	2.62 U	2.26 U	13.5	3.92 U	3.92 U	13.5 T
PP01M109	WLCOFH02M109M109	7.61 U	2.9 U	4.92 U	28.7	39.9	32.9	89.6	4.02 U	4.02 U	191.1 T
PP01M110	WLCOFH02M110M110	7.05 U	2.68 U	4.56 U	3.36 U	2.49 U	2.14 U	8.79	3.72 U	3.72 U	8.79 T
RB01	WLCOSJ00RB01SD0001	100 U	200 U	100 U	100 U	140	100 U	100 U			140 T
RB02	WLCOSJ00RB02SD0002	100 U	200 U	100 U	100 U	180	100 U	100 U			180 T
RB03	WLCOSJ00RB03SD0003	100 U	200 U	100 U	100 U	660	100 U	150			810 T
RB04	WLCOSJ00RB04SD0004	100 U	200 U	100 U	100 U	1600	100 U	170			1770 T
RB04	WLCOSJ00RB04SD0014	1000 U	2000 U	1000 U	1000 U	9300	1000 U	1000 U			9300 T
RB05	WLCOSJ00RB05SD0005	100 U	200 U	100 U	100 U	2500	100 U	290			2790 T
RB06	WLCOSJ00RB06SD0006	100 U	200 U	100 U	100 U	770	100 U	390			1160 T
RB06	WLCOSJ00RB06SD0007	100 U	200 U	100 U	100 U	880	100 U	140			1020 T
RB07	WLCOSJ00RB07SD0008	100 U	200 U	100 U	100 U	100 U	100 U	100 U			200 UT
RB08	WLCOSJ00RB08SD0009	100 U	200 U	100 U	100 U	190	100 U	100 U			190 T
RB09	WLCOSJ00RB09SD0010	100 U	200 U	100 U	100 U	420	100 U	130			550 T
RB10	WLCOSJ00RB10SD0011	100 U	200 U	100 U	100 U	290	100 U	100 U			290 T
RB11	WLCOSJ00RB11SD0012	100 U	200 U	100 U	100 U	1080	100 U	160			1240 T
RB12	WLCOSJ00RB12SD0013	100 U	200 U	100 U	100 U	100 U	100 U	100 U			200 UT
RB13	WLCOSJ00RB13SD0015	100 U	200 U	100 U	100 U	1080	100 U	160			1240 T
SVS18COMP	WLCRIJ9918COMP18COMP	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ01	WLCRIJ99CZ01CZ01	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ02	WLCRIJ99CZ02CZ02	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ03	WLCRIJ99CZ03CZ03	10 U	20 U	10 U	10 U	10 U	7 J	4 J			11 T
CZ03	WLCRIJ99CZ03CZ031	10 U	20 U	10 U	10 U	10 U	8 J	8 J			16 T
CZ04	WLCRIJ99CZ04CZ04	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ05	WLCRIJ99CZ05CZ05	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ06	WLCRIJ99CZ06CZ06	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ07	WLCRIJ99CZ07CZ07	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CZ08	WLCRIJ99CZ08CZ08	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
SVS18R1	WLCRIJ99VS18R1VS18R1	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
SVS18R2	WLCRIJ99VS18R2VS18R2	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-REFA	WLCRIL99HCREFAHCREFA	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-REFB	WLCRIL99HCREFBHCREFB	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-REFC	WLCRIL99HCREFCHCREFC	10 U	20 U	10 U	10 U	56	10 U	10 U			56 T
HC-SS02	WLCRIL99HCSS02HCSS02	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS03	WLCRIL99HCSS03HCSS03	10 U	20 U	10 U	10 U	10 U	12	10 U			12 T
HC-SS04	WLCRIL99HCSS04HCSS04	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS05	WLCRIL99HCSS05CSS100	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS05	WLCRIL99HCSS05HCSS05	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS06	WLCRIL99HCSS06HCSS06	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS07	WLCRIL99HCSS07HCSS07	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS08	WLCRIL99HCSS08HCSS08	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS09	WLCRIL99HCSS09HCSS09	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS10	WLCRIL99HCSS10HCSS10	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS11	WLCRIL99HCSS11HCSS11	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS12	WLCRIL99HCSS12HCSS12	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS13	WLCRIL99HCSS13HCSS13	10 U	20 U	10 U	10 U	10 U	17	10 U			17 T
HC-SS14	WLCRIL99HCSS14HCSS14	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS15	WLCRIL99HCSS15CSS102	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS15	WLCRIL99HCSS15HCSS15	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS16	WLCRIL99HCSS16HCSS16	10 U	20 U	10 U	10 U	10 U	11	10 U			11 T
HC-SS17	WLCRIL99HCSS17HCSS17	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS18	WLCRIL99HCSS18HCSS18	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS19	WLCRIL99HCSS19HCSS19	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS20	WLCRIL99HCSS20HCSS20	10 U	20 U	10 U	130	10 U	10 U	10 U			130 T
HC-SS22	WLCRIL99HCSS22HCSS22	10 U	20 U	10 U	10 U	10 U	10 U	116			116 T
HC-SS23	WLCRIL99HCSS23HCSS23	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS24	WLCRIL99HCSS24HCSS24	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS25	WLCRIL99HCSS25HCSS25	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS26	WLCRIL99HCSS26HCSS26	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS28	WLCRIL99HCSS28HCSS28	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS29	WLCRIL99HCSS29HCSS29	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS30	WLCRIL99HCSS30HCSS30	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
HC-SS31	WLCRIL99HCSS31HCSS31	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS32	WLCRIL99HCSS32CSS103	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS32	WLCRIL99HCSS32HCSS32	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS33	WLCRIL99HCSS33HCSS33	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS34	WLCRIL99HCSS34CSS101	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-SS34	WLCRIL99HCSS34HCSS34	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G05	WLCRIV99G05G05S00	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G06A	WLCRIV99G06A06AS02	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
PA01	WLCRIV99PA01PA01	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
PA02	WLCRIV99PA02PA02	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
PA03	WLCRIV99PA03PA03	10 U	20 U	10 U	10 U	10 U	8 J	10 U			8 T
PA04	WLCRIV99PA04PA04	10 U	20 U	10 U	10 U	10 U	5 J	10 U			5 T
GRAB-01	WLCT0I98GRAB01GRAB01	10 U	10 U	10 U	10 U	10 U	10 U	13			13 T
GRAB-02	WLCT0I98GRAB02GRAB02	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-03	WLCT0I98GRAB03GRAB03	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-04	WLCT0I98GRAB04GRAB04	10 U	10 U	10 U	10 U	10 U	15 U	13			13 T
GRAB-05	WLCT0I98GRAB05GRAB05	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-06	WLCT0I98GRAB06GRAB06	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-07	WLCT0I98GRAB07GRAB07	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-08	WLCT0I98GRAB08GRAB08	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-09	WLCT0I98GRAB09GRAB09	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-10	WLCT0I98GRAB10GRAB10	10 U	10 U	10 U	10 U	10 U	10 U	14			14 T
GRAB-11	WLCT0I98GRAB11GRAB11	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
GRAB-12	WLCT0I98GRAB12GRAB12	10 U	10 U	10 U	10 U	10 U	10 U	14			14 T
T1S-01	WLCT1F00T1S01T1S01	10 U	20 U	10 U	10 U	10 U	22	19			41 T
T1S-02	WLCT1F00T1S02T1S02	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T1S-03	WLCT1F00T1S03T1S03	10 U	20 U	10 U	10 U	10 U	14	10 U			14 T
T1S-04	WLCT1F00T1S04T1S04	10 U	20 U	10 U	10 U	10 U	17	10 U			17 T
T1S-05	WLCT1F00T1S05T1S05	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T1S-06	WLCT1F00T1S06T1S06	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T1S-07	WLCT1F00T1S07T1S07	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T1S-08	WLCT1F00T1S08T1S08	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T1S-09	WLCT1F00T1S09T1S09	10 U	20 U	10 U	10 U	10 U	10 U	19			19 T
T4-UP01	WLCT4C04UP01UP0101	5.4 U	11 U	5.4 U	5.4 U	22 J	19 U	29 J	5.4 U	5.4 U	51 J
T4-UP02	WLCT4C04UP02UP0201	5.2 U	11 U	5.2 U	5.2 U	2.9 J	5.2 U	5.2 U	5.2 U	5.2 U	2.9 J
T4-UP03	WLCT4C04UP03UP03	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-UP04	WLCT4C04UP04UP04	5 U	10 U	5 U	5 U	5 U	5 U	6.6	5 U	5 U	6.6
T4-UP05	WLCT4C04UP05UP05	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-UP06	WLCT4C04UP06UP0601	9.1 U	19 U	9.1 U	9.1 U	25	40 U	63	9.1 U	9.1 U	88
T4-UP07	WLCT4C04UP07UP0701	6.8 U	14 U	6.8 U	6.8 U	10 J	40 U	34	6.8 U	6.8 U	44
T4-UP08	WLCT4C04UP08UP0801	5.3 U	11 U	5.3 U	5.3 U	5.3 U	7.4	5.3 U	5.3 U	5.3 U	7.4
T4-UP10	WLCT4C04UP10UP1001	5.9 U	12 U	5.9 U	5.9 U	5.7 J	10 U	8.6	5.9 U	5.9 U	14.3
T4-UP12	WLCT4C04UP12UP1201	5 U	10 U	5 U	5 U	6	7.5 U	5.6	5 U	5 U	11.6
T4-UP13	WLCT4C04UP13UP1301	5 U	10 U	5 U	5 U	5 U	5 U	33	5 U	5 U	33
T4-UP14	WLCT4C04UP14UP14	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U
T4-VC01	WLCT4C04VC01VC0101	6.7 U	14 U	6.7 U	120	6.7 U	130	6.7 U	6.7 U	6.7 U	250
T4-VC02	WLCT4C04VC02VC0201	5.1 U	11 U	5.1 U	5.1 U	6.1	11 U	8.7	5.1 U	5.1 U	14.8
T4-VC03	WLCT4C04VC03VC0301	5 U	10 U	5 U	5 U	4.1 J	5 U	8	5 U	5 U	12.1
T4-VC04	WLCT4C04VC04VC0401	5 U	10 U	5 U	5 U	5 U	5 U	8.9	5 U	5 U	8.9
T4-VC05	WLCT4C04VC05VC0501	6.7 U	14 U	6.7 U	6.7 U	7.4	6.7 U	25	6.7 U	6.7 U	32.4
T4-VC06	WLCT4C04VC06VC0601	5 U	10 U	5 U	5 U	13	33 U	23	5 U	5 U	36
T4-VC07	WLCT4C04VC07VC0701	6.6 U	14 U	6.6 U	6.6 U	12	31 U	27	6.6 U	6.6 U	39
T4-VC08	WLCT4C04VC08VC0801	5 U	10 U	5 U	5 U	16	37 U	30	5 U	5 U	46
T4-VC09	WLCT4C04VC09VC0901	8 U	16 U	8 U	8 U	31 J	54 U	60	8 U	8 U	91
T4-VC10	WLCT4C04VC10VC1001	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC11	WLCT4C04VC11VC1101	5 U	10 U	5 U	5 U	6.4	14 U	15	5 U	5 U	21.4
T4-VC12	WLCT4C04VC12VC1201	5 U	10 U	5 U	5 U	9.7 J	16 U	15	5 U	5 U	24.7
T4-VC13	WLCT4C04VC13VC1301	50 U	100 U	50 U	50 U	50 U	50 U	820	50 U	50 U	820
T4-VC14	WLCT4C04VC14VC1401	5 U	10 U	5 U	5 U	5 U	5 U	5.3	5 U	5 U	5.3
T4-VC15	WLCT4C04VC15VC1501	7.4 U	15 U	7.4 U	7.4 U	28	61 U	52	7.4 U	7.4 U	80
T4-VC16	WLCT4C04VC16VC1601	5.1 U	11 U	5.1 U	5.1 U	34	64 U	62	5.1 U	5.1 U	96
T4-VC17	WLCT4C04VC17VC1701	5 U	10 U	5 U	5 U	4.7 J	5 U	10	5 U	5 U	14.7
T4-VC18	WLCT4C04VC18VC1801	5 U	10 U	5 U	5 U	11	24 U	28	5 U	5 U	39

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
T4-VC19	WLCT4C04VC19VC1901	4.9 U	9.7 U	4.9 U	4.9 U	13 J	21 U	26	4.9 U	4.9 U	39
T4-VC20	WLCT4C04VC20VC2001	5.1 U	11 U	5.1 U	5.1 U	5.5	7.4 U	11	5.1 U	5.1 U	16.5
T4-VC21	WLCT4C04VC21VC2101	5.3 U	11 U	5.3 U	5.3 U	6.7	17 U	16	5.3 U	5.3 U	22.7
T4-VC22	WLCT4C04VC22VC2201	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC23	WLCT4C04VC23VC2301	5 U	9.9 U	5 U	5 U	5 U	5 U	12	5 U	5 U	12
T4-VC24	WLCT4C04VC24VC2401	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	53	5.1 U	5.1 U	53
T4-VC25	WLCT4C04VC25VC2501	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC26	WLCT4C04VC26V2601	5 U	10 U	5 U	5 U	6	15 U	16	5 U	5 U	22
T4-VC27	WLCT4C04VC27VC2701	5 U	10 U	5 U	5 U	5 U	5 U	6.8	5 U	5 U	6.8
T4-VC28	WLCT4C04VC28VC2801	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC29	WLCT4C04VC29VC2901	5.2 U	11 U	5.2 U	5.2 U	11	19 U	31	5.2 U	5.2 U	42
T4-VC30	WLCT4C04VC30VC3001	5 U	10 U	5 U	5 U	6.9	14 U	13 J	5 U	5 U	19.9
T4-VC31	WLCT4C04VC31VC3101	5 U	10 U	5 U	5 U	9.2	18 U	13	5 U	5 U	22.2
T4-VC32	WLCT4C04VC32VC3201	5 U	10 U	5 U	5 U	11 J	28 U	46	5 U	5 U	57
HC01	WLLRSH01HC01HC01	14 U	28 U	14 U	14 U	14 U	14 U	14 U			28 UT
HC02	WLLRSH01HC02HC02	15 U	29 U	15 U	15 U	15 U	15 U	15 U			29 UT
HC03	WLLRSH01HC03HC03	18 U	35 U	18 U	18 U	18 U	18 U	18 U			35 UT
HC04	WLLRSH01HC04HC04	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
HC05	WLLRSH01HC05HC05	15 U	30 U	15 U	15 U	15 U	15 U	15 U			30 UT
HC07	WLLRSH01HC07HC07	13 U	26 U	13 U	13 U	13 U	13 U	13 U			26 UT
HC08	WLLRSH01HC08HC08	19 U	37 U	19 U	19 U	19 U	19 U	19 U			37 UT
HC09	WLLRSH01HC09HC09	17 U	34 U	17 U	17 U	17 U	17 U	17 U			34 UT
HC10	WLLRSH01HC10HC10	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
HC02	WLLRSI01HC02HC02	16 U	31 U	16 U	16 U	16 U	16 U	16 U			31 UT
HC08	WLLRSI01HC08HC08	21 U	42 U	21 U	21 U	21 U	21 U	21 U			42 UT
HC10	WLLRSI01HC10HC10	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
C12/13/14	WLR0797121314WRBC12	10 U	10 U	10 U	10 U	10 U	10 U	5			5 T
C26/27/28	WLR0797262728WRBC26	10 U	15 U	10 U	10 U	10 U	10 U	10 U			15 UT
C16/17	WLR0797C1617WRBC16	10 U	10 U	10 U	10 U	10 U	10 U	4			4 T
WR-BC-01	WLR0797WRBC01WRA	10 UG	10 UG	10 UG	10 U	10 UG	10 U	10 U			10 UT
WR-BC-01	WLR0797WRBC01WRBC01	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-BC-07	WLR0797WRBC07WRBC07	10 U	10 U	10 U	10 U	10 U	10 U	7			7 T
WR-BC-08	WLR0797WRBC08WRBC08	10 U	10 U	10 U	10 U	10 U	10 U	5			5 T
WR-BC-09	WLR0797WRBC09WRBC09	10 U	10 U	10 U	10 U	10 U	10 U	4			4 T
WR-BC-10	WLR0797WRBC10WRB	10 U	10 U	10 U	10 U	10 U	10 U	9			9 T
WR-BC-10	WLR0797WRBC10WRBC10	10 U	10 U	10 U	10 U	10 U	10 U	11			11 T
WR-BC-15	WLR0797WRBC15WRBC15	10 UG	10 UG	10 UG	10 U	10 UG	10 U	9			9 T
WR-BC-20	WLR0797WRBC20WRBC20	10 U	10 U	10 U	10 U	10 U	10 U	4			4 T
WR-BC-21	WLR0797WRBC21WRBC21	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
WR-BC-22	WLR0797WRBC22WRBC22	10 U	35 U	10 U	10 U	10 U	10 U	10 U			35 UT
WR-BC-23	WLR0797WRBC23WRBC23	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-BC-29	WLR0797WRBC29WRBC29	10 U	10 U	10 U	6	10 U	27	30			63 T
WR-BC-29	WLR0797WRBC29WRC	10 U	10 U	10 U	5	10 U	22	70			97 T
WR-BC-36	WLR0797WRBC36WRBC36	10 U	10 U	10 U	12	10 U	44	49			105 T
DM-A	WRD&M98DMADMA	20 U	40 U	50 U	20 U	20 U	20 U	20 U			50 UT
DM-B	WRD&M98DMBDMB	20 U	60 U	40 U	20 U	20 U	20 U	20 U			60 UT
DM-C	WRD&M98DMCDMC	20 U	40 U	40 U	20 U	20 U	20 U	20 U			40 UT
DM-D	WRD&M98DMDDMD	20 U	40 U	30 U	20 U	20 U	20 U	20 U			40 UT
DM-E	WRD&M98DMEDME	20 U	40 U	30 U	20 U	20 U	20 U	20 U			40 UT
DM-F	WRD&M98DMFDMF	20 U	40 U	20 U	20 U	20 U	109	20 U			109 T
DM-G	WRD&M98DMGDMG	20 U	40 U	20 U	20 U	20 U	50.4	20 U			50.4 T
DM-H	WRD&M98DMHDMH	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
DM-I	WRD&M98DMIDMI	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
DM-J	WRD&M98DMJDMJ	20 U	40 U	40 U	20 U	20 U	20 U	20 U			40 UT
DM-K	WRD&M98DMKDMK	20 U	40 U	40 U	20 U	20 U	20 U	20 U			40 UT
DM-L	WRD&M98DMLDML	20 U	40 U	30 U	20 U	20 U	20 U	20 U			40 UT
SD001	WR-WSI98SD0010	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD004	WR-WSI98SD0040	19 UJ	37 UJ	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ			37 UT
SD011	WR-WSI98SD0110	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
SD012	WR-WSI98SD0120	19 U	39 U	19 U	19 U	19 U	19 U	19 U			39 UT
SD020	WR-WSI98SD0200	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD021	WR-WSI98SD0210000CC	20 UT	39 UJT	20 UT	20 UT	20 UT	20 UT	20 UT			39 UT
SD034	WR-WSI98SD0340	19 UJ	39 UJ	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ			39 UT

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Table C2-2. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
SD035	WR-WSI98SD0350	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD048	WR-WSI98SD0480000CC	19 UT	38 UT	19 UT	19 UT	19 UT	19 UT	19 UT			38 UT
SD049	WR-WSI98SD0490	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD055	WR-WSI98SD0550	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD057	WR-WSI98SD0570	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD058	WR-WSI98SD0580	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
SD059	WR-WSI98SD0590	19 U	38 U	19 U	19 U	19 U	29 UI	19 U			38 UT
SD061	WR-WSI98SD0610	19 U	38 U	19 U	19 U	19 U	32 UI	19 U			38 UT
SD066	WR-WSI98SD0660						54 J				54 T
SD070	WR-WSI98SD0700000CC	19 UT	38 UT	19 UT	19 UT	19 UT	51 T	19 UT			51 T
SD072	WR-WSI98SD0720	20 U	40 U	20 U	20 U	20 U	40 UI	20 U			40 UT
SD074	WR-WSI98SD0740	20 UJ			20 UJ	20 UJ	20 UJ	20 UJ			20 UT
SD077	WR-WSI98SD0770	380 U	760 U	380 U	380 U	380 U	380 U	380 U			760 UT
SD081	WR-WSI98SD0810	990 U	2000 U	990 U	990 U	990 U	990 U	990 U			2000 UT
SD084	WR-WSI98SD0840	980 U	2000 U	980 U	980 U	980 U	980 U	980 U			2000 UT
SD087	WR-WSI98SD0870	1000 U	2000 U	1000 U	1000 U	1000 U	1000 U	1000 U			2000 UT
SD090	WR-WSI98SD0900	2000 U	4000 U	2000 U	2000 U	2000 U	2000 U	2000 U			4000 UT
SD092	WR-WSI98SD0920000CC	380 UT	750 UT	380 UT	380 UT	380 UT	380 UT	380 UT			750 UT
SD096	WR-WSI98SD0960	20 U	39 U	20 U	20 U	20 U	200	49 UI			200 T
SD103	WR-WSI98SD1030	20 U	40 U	20 U	20 U	20 U	21 UI	20 U			40 UT
SD106	WR-WSI98SD1060	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD111	WR-WSI98SD1110	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
SD116	WR-WSI98SD1160	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD117	WR-WSI98SD1170000CC	20 UT	39 UT	20 UT	20 UT	20 UT	26 T	20 UT			26 T
SD119	WR-WSI98SD1190	19 U	39 U	19 U	19 U	19 U	19 U	19 U			39 UT
SD121	WR-WSI98SD1210	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD122	WR-WSI98SD1220	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD124	WR-WSI98SD1240	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
SD125	WR-WSI98SD1250	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD127	WR-WSI98SD1270	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD128	WR-WSI98SD1280	200 U	400 U	200 U	200 U	200 U	380	200 U			380 T
SD130	WR-WSI98SD1300	19 U	39 U	19 U	19 U	19 U	19 U	19 U			39 UT
SD133	WR-WSI98SD1330	190 U	380 U	190 U	190 U	190 U	580	190 U			580 T
SD137	WR-WSI98SD1370000CC	19 UT	38 UT	19 UT	19 UT	19 UT	19 UT	19 UT			38 UT
SD138	WR-WSI98SD1380	19 U	38 U	19 U	19 U	19 U	19 U	19 U			38 UT
SD141	WR-WSI98SD1410000CC	20 UT	39 UT	20 UT	20 UT	20 UT	31 T	20 UT			31 T
SD150	WR-WSI98SD1500	17 U	34 U	17 U	17 U	17 U	46	110			156 T
SD151	WR-WSI98SD1510000CC	190 UT	390 UT	190 UT	190 UT	190 UT	500 T	190 UT			500 T

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	PCB004_010	16605-91-7	PCB005_008	25569-80-6	33284-50-3	PCB007_009	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	PCB016_032	37680-66-3	37680-65-2	PCB018_030
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB004 & 010	PCB005	PCB005 & 008	PCB006	PCB007	PCB007 & 009	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB016 & 032	PCB017	PCB018	PCB018 & 030
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
B002	LW2-B002																						
B004	LW2-B004																						
B007	LW2-B007																						
B008	LW2-B008																						
B015	LW2-B015																						
B017	LW2-B017																						
B018	LW2-B018																						
B020	LW2-B020																						
B022-1	LW2-B022-1																						
B022-2	LW2-B022-2																						
B023	LW2-B023																						
B024	LW2-B024																						
B026	LW2-B026																						
C093	LW2-C093-A	2460	202	1120		8590		13000	2910		1370				119 U	913	24.8 U	5440		10400	8380	16800	
D1-1	LW2-D1-1	6.41 T	27 T	8.9 T		30.2 T		57 T	12.7 T		5.3 UT				239 T	11.4 T	5 UT	85.2 T		63.1 T	47.5 T	92.4 T	
G004	LW2-G004	10.2	15.6	18.6		62.2		128	30.4		9.97				106	22.5	5 U	279		302	139	300	
G007-1	LW2-G007-1	58.7	36.4 J	58.2 J		241		608	204		48.3				165	121	5.04 U	1270		1660	825	1530	
G009	LW2-G009	52.1 J	18.6 J	56.7 J		423		1230	197		65.6				59.9	222	8.62 U	3340		11600	3770	6480	
G016	LW2-G016	15.4 J	24 J	16.1 J		101		173	35.2		14.6				263	22.8	12.4 U	199		235	144	306	
G019	LW2-G019	446 J	37.6 J	225 J		7190		3640	639		220				75.9	336	9.82 U	4380		7970	4150	7180	
G025	LW2-G025	4110 J	1540 J	3360 J		22500		90000	17400		9880				1560	6970	49.3 U	32700		165000	100000	378000	
G028	LW2-G028	18.7 J	17.4	20 J		124		487	97.4		40.6				146	48.9	25.1 U	476		2210	1310	3640	
G036	LW2-G036	7.13 J	12.6 J	10.9 J		37		81.4	18		12.7 U				211	12.7 U	12.7 U	81.8		108	85.2	154	
G038	LW2-G038	1050	29.4	127		3580		3420	1670		369				67.4	239	4.91 U	1910		988	589	1380	
G043	LW2-G043	11.5 J	22	16.7 J		64.9		189	38.7		18.1				252	25.3	3.35 U	215		202	135	282	
G057	LW2-G057	7.46 J	16.9	9.23 J		25.6		56.2	13.5		5.6				173	9.26	4.95 U	86.4		78.9	55.8	111	
G067	LW2-G067	16 J	21.7	17.2		72.6		197	46.6		27.8				92.1	29.6	3.39 U	177		228	151	308	
G086	LW2-G086	108	20.8	71.6		600		1620	330		158				113	143	5.08 U	1230		1910	1280	2810	
G090	LW2-G090	2430	100	423		12300		18300	3150		1740				161	827	4.39 U	6050		13700	10900	19000	
G092	LW2-G092	198	57.3	117		800		2160	475		225				366	242	47.9 U	1740		4000	1970	4760	
G093	LW2-G093	1860	83.8	439		7480		10800	2010		977				109	674	25.9 U	4530		8450	6700	12300	
G095	LW2-G095	4.73	7.67	4.55		11.5		31.2	7.05		2.48 U				30.9	3.95	2.48 U	31		52.2	33.7	77.5	
G096	LW2-G096	71.8	13.1	40.9		2150		391	126		91.3				43.3	44.9	5.12 U	407		819	704	947	
G103	LW2-G103	19.4	14.5	17.7		74.4		242	51.2		23.6				70.3	25.7	3.04 U	227		289	285	823	
G105	LW2-G105	22.7 T	21.1 T	21.2 T		31.7 T		90.2 T	21.1 T		9.64 T				41.1 T	14.3 T	5.2 UT	73.8 JT		166 T	102 T	138 T	
G109	LW2-G109	355	77.9	302		2370		7660	1580		844				155	449	5 U	3540		6960	4590	11700	
G112	LW2-G112	304	77.1	355		2080		8700	1710		858				159	578	4.81 U	4680		8780	5780	14100	
G117	LW2-G117	14.7	20.7	16		39.8		86.9	18.4		8.07				90.1	11.5	4.76 U	90.4		172	112	228	
G128	LW2-G128	3.87 J	9.03	4.92 J		17.7		37.8	8.02		3.94 U				126	6.13	3.29 U	53.6		42.6	30.9	62.9	
G139	LW2-G139	11.8	16.9	14		76.7		170	39.7		19.8				162	27.9	4.94 U	150		256	160	431	
G147	LW2-G147	13.9	2.35 U	2.35 U		39.1		189	20.1		11				49.3	10.9	4.71 U	82.9		139	78.9	287	
G149	LW2-G149	7.44 J	11.9	7.34 J		23.9		53.9	13.1		5.99				161	7.54	3.3 U	51.3		65.2	45.4	90.9	
G178	LW2-G178	5.26	11.5	7.39		18.9		27	12.3 U		12.3 U				53.9	12.3 U	12.3 U	43		109	66.6	149	
G184	LW2-G184	71.1 J	31.3	122 J		1650		5400	3130		209				101	869	5.08 U	1540		3270	2690	5850	
G197-2	LW2-G197-2	18.3	24.7	21.2		56.8		119	28		13.4				109	23.1	4.92 U	164		238	141	361	
G198	LW2-G198	64.8 JT	56.4 JT	57.1 JT		134 JT		295 JT	72.4 JT		33.9 JT				124 T	36.4 JT	5.05 UT	211 JT		2.53 UT	2.53 UT	367 JT	
G208	LW2-G208	19.7 J	26.5	20.1 J		32.7		77.4	21.7		8.17				80.1	14.3	3.32 U	59		88.2	57.1	72.5	
G218	LW2-G218	8.94	9.38	9.74		12.8		39	8.96		4.42 U				33.5	9.45 U	4.42 U	46.5		104	47.7	87.5	
G225	LW2-G225	176 J	132 J	137 J		187 J		389 J	88.8 J		52.2 UJ				23.3 UJ	23.3 UJ	23.3 UJ	74.2		277	47	54.8	
G230	LW2-G230	12.6 J	25.4	15.2 J		33.6		79.7	20.3		9.17				102	12.4	4.9 U	73.8		117	76.8	170	
G233	LW2-G233	14.4	25.3	17.8		35.9		68.1	17.2		7.7				119	14.1	4.99 U	99.5		110	67.1	144	
G241	LW2-G241	10.8 J	15.9	11.1 J		21.5		61.9	14.6		6.51				121	10.5	4.94 U	75.5		63.4	43.7	90.5	
G247	LW2-G247	31.7	41.6	36.1		59.8		123	35.2		14.9				106	26.9	4.92 U	102		164	96.5	202	
G257	LW2-G257	14.3	2.46 U	4.91		48.7		22.7	7		4.93 U				21.2 U	4.93 U	4.93 U	18.3		40.4	29.4	33.4	
G273	LW2-G273	75.9	25.6	59.7		332		1190	277		122				67.8	125	12.6 U	604		1400	1020	1510	
G280	LW2-G280	9.33 J	20.5	14.6 J		144		57.5	11.5		6.33 U				179	16.9	10.3 U	115		141	142	99.9	
G282	LW2-G282	329	67.6	270		25600		1030	569		219				266	293	53.5 U	1280 J		5490	11000	3040	
G293	LW2-G293	6.41	18.6	9.16		74		53.8	14		5.47				156	9.05	5.09 U	67		80.6	114	100	
G298	LW2-G298	106	215	267		133 U		133 U	133 U		133 U				133 U	133 U	133 U	133 U		62.5 J	66.5 U	66.5 U	
G307	LW2-G307	135	24.8	94.6		312		1420	279		125				34.7	117	5.03 U	685		1810	1420	2990	
G308	LW2-G308	62.8	12.8	33.5		157		486	135		50.2				46.4 U	56	24.6 U	274		565	366	553	
G310	LW2-G310	83.1	27.4	98.5		203		1320	278		114				43.7	119	9.77 U	701		1570	1300	2530	
G320	LW2-G320	34.8	13.1	23.1		195		623	126		63.1				48.6	47.9	12.7 U	319		621	375	569	
G327	LW2-G327	422	69.5	298		398		1330	353		147				37.1	103	5.04 U	483		1110	803	1940	
G328	LW2-G328	1.68 U	1.68 U	1.68 U		5.43		9.4	3.37 U		3.37 U				20.5 U	3.37 U	3.37 U	8.64		14.8	10.6	21.4	
G332	LW2-G332	5190 J	235	2950 J		9300		31100	10200		1800				595	1940	25 U	13800		6090	4640	12900	
G335	LW2-G335	14.5	8.44	15.4		49.9		143	30.1		19.1				46.7	20.4	3.34 U	205		253	124	384	
G339	LW2-G339	8.12	10.8	10.9		29.1		64.2	15.9		7.78				112	14.8	4.9 U	81.6		134	68	174	
G347	LW2-G347	22.6 J	38.6	19.5 J		46		90.9	22.9		10.9				247	18.4	4.95 U	135		109	71.7	165	
G351	LW2-G351	55.5	25.5	58		189		779	327		74.7				200	160	5 U	413 J		1040	730	1100	
G353-1	LW2-G353-1	37.5	33.4	50.3		115		406	111		35.4				205	66	4.85 U	392		1240	569	1610	
G355	LW2-G355	513	99.6	414		1540		5000	818		522				168	474	24.8 U	5430		7540	5340	13400	
G358	LW2-G358	6.97	12.1	7.79		31.8		56	12.3		5.12				222	9.39	3.32 U	74.4		72.8	53.6	111	
G360	LW2-G360	22.9	9.95	20.6		57.3		137	27.2		11.3				153	27	4.95 U	196		663	293	847	
G364	LW2-G364	7.86	10.6	11.2		9.79		45.3	15.7		5.25				16.6	9.13	4.92 U	25.5		74	57	119	
G371	LW2-G371	15.3	6.49	18		46.2		204	44.2		11.9				83.7	29.7	5.09 U	178 J		503	275	968	
G372-1	LW2-G372-1	26.6	13.9	18.1		18.1		34.3	8.84		4.95 U				49.3	4.95 U	4.95 U	30.9		81.1	36.1	42.9	
G373	LW2-G373	7.44	11.8	8.02		40.3		52.4	13.9		5.05				202	7.51	4.94 U	42.8		50.7	44.8	76.7	
G380	LW2-G380	22.7	5.25	16		74		121	26.2		13.8				20.7 U	9.01	4.94 U	68.9 J		138	118	181	
G381	LW2-G381	184	25.4	88.7		131		515	119		61.5				45.9	82.5	5 U	503		709	553	1160	
G382	LW2-G382	331	81.3	222		417		1250	280		124				247	154	9.99 U	728		784	860	718	
G386	LW2-G386	8.69 J	23.6	10.5		29.3		41	12.6		5.03 U				133	8.78	5.03 U	42.5		49.3	39.4	70.2	
G390	LW2-G390	1650	380	681		790		1840	541		279				462	330	23.3 U	1230		3280	1310	2720	
G392	LW2-G392	27.5 T	71.3 T	42.3 T		41.6 T		79 T	30.5 T		8.87 T				153 T	23.9 T	5.05 UT	66.8 T		89.4 T	59.8 T	131 T	
G399	LW2-G399	18.6	10.2	23.9		58		332	55.7		21.6				97.7	28.1	5 U	253 J		391	275	646	
G401	LW2-G401	14.8	14	20.7		53.4		250	42.9		21.1				179	24.7	5.08 U	234 J		262	180	429	
G402	LW2-G402	168	86.8	138		313		263	75		41.2				247	58.2	9.83 U	289		814	790	455	
G410-1	LW2-G410-1	7.12	12.3	8.84		36.5		79.8	17.1		6.76				231	11.1	4.96 U	100		101	71.1	153	
G416	LW2-G416	92.7	74.6	105		105		326	98.6		34				285	66.9	5 U	353		311	221	400	
G417	LW2-G417	8.67	6.21	6.93		15.5		45.7	11.9		4.99 U				42.6	7.32	4.99 U	39.8 J		58.4	39	79.9	

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	38444 -73-4	PCB020 _021_033	PCB020 _028	PCB021 _033	38444 -85-8	55720 -44-0	55702 -45-9	PCB024 _027	55712 -37-3	38444 -81-4	PCB026 _029	38444 -76-7	7012 -37-5	15862 -07-4	35693 -92-6	16606 -02-3	38444 -77-8	37680 -68-5	37680 -69-6	38444 -87-0	38444 -90-5	53555 -66-1	38444 -88-1
	Chemical Name	PCB019	PCB020 & 021 & 033	PCB020 & 028	PCB021 & 033	PCB022	PCB023	PCB024	PCB024 & 027	PCB025	PCB026	PCB026 & 029	PCB027	PCB028	PCB029	PCB030	PCB031	PCB032	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																							
B002	LW2-B002																							
B004	LW2-B004																							
B007	LW2-B007																							
B008	LW2-B008																							
B015	LW2-B015																							
B017	LW2-B017																							
B018	LW2-B018																							
B020	LW2-B020																							
B022-1	LW2-B022-1																							
B022-2	LW2-B022-2																							
B023	LW2-B023																							
B024	LW2-B024																							
B026	LW2-B026																							
C093	LW2-C093-A	3070	10900			6150	22.8		1740	2830	4480			20600	113	12.4 U	18200		1.64	274	14.6	5070	322	79
D1-1	LW2-D1-1	35.5 T	85.7 T			60.7 T	2.5 UT		12.2 T	19.1 T	28.5 T			220 T	2.5 UT	2.5 UT	155 T		2.5 UT	5.33 T	2.5 UT	83.5 T	2.61 T	2.5 UT
G004	LW2-G004	55.9	212			304	2.5 U		40.6	61.8	123			1400	2.5 U	2.5 U	720		6.9	13.6	2.5 U	497	13.7	2.82
G007-1	LW2-G007-1	247	1070			1510	5.23		203	377	680			7100	6.08	2.52 U	3860		64.4	54.2	2.52 U	2180	44.4	17.9
G009	LW2-G009	1770	4560			10300	7.44		1260	1010	2420			42000	24	7.5	20300		259	293	4.31 U	12500	355	72.9
G016	LW2-G016	65.6	229			197	6.19 U		35.4	52.2	91.5			708	2.99 J	6.19 U	475		4.04 J	11	6.19 U	240	7.54	6.19 U
G019	LW2-G019	2780	3350			5030	5.39		1280	779	2010			19400	26.3	4.91 U	14100		43.3	177	4.91 U	6220	162	14.8
G025	LW2-G025	21500	184000			109000	161		12600	13400	38300			326000	1030	24.7 U	38600		823	2310	24.7 U	57700	3240	241
G028	LW2-G028	205	2750			1960	4.2 J		196	254	617			6330	15.1	12.6 U	5670		34.5	34	12.6 U	1460	71	9.07 J
G036	LW2-G036	109	143			102	2.64 J		20.1	29.4	48.2			308	1.94 J	6.33 U	223		2.83 J	7.09	6.33 U	101	11	6.33 U
G038	LW2-G038	318	1530			1160	2.57		139	420	654			3460	21	2.45 U	2710		15.4	79	2.45 U	1370	13.2	4.72
G043	LW2-G043	49	296			197	1.68 U		28.2	51.8	87			624	3.21	1.68 U	502		3.72	11.8	1.68 U	229	5.05	1.68 U
G057	LW2-G057	26.4	112			70.5	2.48 U		12.2	24.3	37			304	2.48 U	2.48 U	178		2.51	5.71	2.48 U	93.2	3.38	2.48 U
G067	LW2-G067	53.4	338			208	1.69 U		32.5	60.7	104			585	5.66	1.69 U	532		4.22	12.1	1.69 U	179	3.9	1.69 U
G086	LW2-G086	387	2460			1530	4.88		277	409	719			4270	31.2	2.54 U	4050		16	62.7	2.54 U	1260	29.4	3.55
G090	LW2-G090	3800	15700			9020	37		2150	2500	4100			27400	255	17.7	22600		105	310	2.2 U	5750	90.2	10.3
G092	LW2-G092	644	3770			2390	13.2 J		476	1030	1460			7090	65.5	24 U	6780		33.2	217	24 U	2230	235	24 U
G093	LW2-G093	2150	9820			5300	19.4		1380	1950	2990			18200	108	13 U	13400		107	228	13 U	4130	164	36
G095	LW2-G095	14.3	56.1			37.2	1.24 U		7.35	11.3	18.1			133	1.24 U	1.24 U	91.3		1.24 U	2.86	1.24 U	44.2	3.97	1.24 U
G096	LW2-G096	708	666			429	2.56 U		285	216	363			1850	7.75	2.56 U	1030		10.6	20.6	2.56 U	377	31.3	2.56 U
G103	LW2-G103	80.7	582			355	1.52 U		53.9	88.1	163			1010	5.54	1.52 U	1050		6.57	17.4	1.52 U	313	9.06	1.52 U
G105	LW2-G105	25.5 T	186 T			119 T	2.6 UT		20.6 T	38.7 T	69.8 T			425 T	2.22 JT	2.6 UT	321 T		3.58 JT	8.95 T	2.6 UT	118 T	4.39 JT	1.55 JT
G109	LW2-G109	1140	8370			4850	17.4		869	1250	2160			12700	110	2.5 U	11000		49.2	170	2.5 U	3300	45.8	5.99
G112	LW2-G112	1310	11100			6330	20.4		1070	1600	2800			17300	142	2.4 U	14200		63.5	239	2.4 U	4560	58.7	7.99
G117	LW2-G117	39.1	177			130	2.38 U		23.8	42	74.8			409	2.38 U	2.38 U	353		3.77	7.61	2.38 U	118	2.38 U	2.38 U
G128	LW2-G128	22.2	56.5			38.5	1.65 U		7.1	12.5	20.8			142	1.65 U	1.65 U	93.8		1.65 U	3.77	1.65 U	55.1	1.76	1.65 U
G139	LW2-G139	77.5	291			188	12.3 U		36.1	55.2	99.4			554	5.17 J	12.3 U	457		12.3 U	21.5	12.3 U	190	6.34 J	3.51 J
G147	LW2-G147	27.2	192			116	2.35 U		14.8	24.6	49.5			343	2.35 U	2.35 U	524		2.35 U	4.49	2.35 U	89.9	6.78	2.35 U
G149	LW2-G149	22.8	79.1			50	1.65 U		9.21	18.7	30.4			174	1.65 U	1.65 U	128		1.88	3.93	1.65 U	59.9	3.01	1.65 U
G178	LW2-G178	33.1	84.7			62.2	6.17 U		15.3	18	33			280	6.17 U	6.17 U	206		6.17 U	6.17 U	6.17 U	113	6.17 U	6.17 U
G184	LW2-G184	727	1170			897	7.65		443	1800	2160			5640	9.01	2.54 U	5190		49.5	70.5	2.54 U	478	12.2	2.54 U
G197-2	LW2-G197-2	64.2	224			158	12.3 U		33.6	46.2	71.9			525	3.74 J	12.3 U	359		12.3 U	12.3	12.3 U	225	11.2 J	3.19 U
G198	LW2-G198	92.8 T	359 JT			238 T	12.6 UT		43.8 JT	66.8 T	108 T			694 T	5.07 JT	12.6 UT	562 T		4.47 JT	15.7 T	12.6 UT	295 T	9.26 JT	4.16 JT
G208	LW2-G208	30.3	105			61.9	1.66 U		14.7	22.9	39.9			264	1.66 U	1.66 U	174		2.39	11.1	3.12	81	2.72	6.37
G218	LW2-G218	17.6	92.2			67.3	2.21 U		9.39	19.4	30.2			243	2.21 U	2.21 U	155		4.07	8.44	2.21 U	74.7	39.3	5.53
G225	LW2-G225	68.4 J	259			169	11.6 U		31.2	27	58.3			451	11.6 U	11.6 UJ	444		11.6 U	11.6 U	11.6 U	122	11.6 U	11.6 U
G230	LW2-G230	34.8	134			95.5	2.45 U		16.6	32.7	48.9			350	2.45 U	2.45 U	229		3.1	6.56	2.45 U	99.7	4.02	2.45 U
G233	LW2-G233	48.8	116			80.4	2.5 U		17.7	22.6	37.7			326	2.5 U	2.5 U	218		2.5 U	2.5 U	2.5 U	110	2.5 U	2.5 U
G241	LW2-G241	19.2	91.2			59.5	2.47 U		9.17	19.4	29.4			215	2.47 U	2.47 U	149		2.47 U	4.99	2.47 U	77.8	2.47 U	2.47 U
G247	LW2-G247	53.2	178			105	2.46 U		23.7	28.4	54.5			391	2.46 U	2.46 U	279		3.61	9.51	2.46 U	112	10.2	2.95
G257	LW2-G257	15.9	15.8			10.7	2.46 U		4.79	8.06	11.5			91	2.46 U	2.46 U	37.7		2.46 U	2.46 U	2.46 U	14.3	2.55	2.46 U
G273	LW2-G273	186	3.85 U			976	3.9		1.54	405	576			3310	18.9	12.6 U	3420		40.4	56.1	3.01	926	20.5	10.9
G280	LW2-G280	457	103			80	5.17 U		64.8	27.9	37.3			274	5.17 U	5.17 U	188		5.17 U	6.56	5.17 U	99.2	27.7	5.17 U
G282	LW2-G282	58600	1070			1030	26.7 U		6400	869	1180			2580	26.7 U	123	1680		191	33.6	26.7 U	469	1020	26.7 U
G293	LW2-G293	219	85.7			58.8	2.55 U		37.3	20.4	32.1			242	2.55 U	2.55 U	153		3.23	5.46	2.55 U	76.9	4.92	2.55 U
G298	LW2-G298	66.5 U	94.7			38.3 J	66.5 U		66.5 U	66.5 U	66.5 U			148	66.5 U	66.5 U	177		66.5 U	66.5 U	66.5 U	41.8 J	66.5 U	66.5 U
G307	LW2-G307	221	2590			1420	4.18		187	363	583			4570	21.9	2.52 U	3850		56.2	55.8	3.04	1070	23.9	21.9
G308	LW2-G308	80.4	697			336	2.46 U		60.6	153	207			1280	5.26	12.3 U	1270		15.5	19.4	2.46 U	336	8.06	3.79
G310	LW2-G310	168	2360			1150	5.08		158	343	479			4260	12.6	4.88 U	3120		58.4	45.9	4.88 U	1060	27.1	23.8
G320	LW2-G320	95.8	801			476	12.7 U		70.4	135	212			1450	10	12.7 U	1160		11.8	21	12.7 U	386	7.39	4.65
G327	LW2-G327	152	1650			925	12.6 U		111	449	710			2720	10.9 J	12.6 U	2650		28.5	32.4	12.6 U	545	32	15.1
G328	LW2-G328	7.62	15.3			9.81	1.68 U		2.32	4.71	7.36			35.5	1.68 U	1.68 U	27.8		1.68 U	1.68 U	1.68 U	10.1	1.68 U	1.68 U
G332	LW2-G332	535	3080			2830	8.95 J		611	11300	12100			14300	4.28 J	12.5 U	16400		249	307	24.4	1140	156	84.8
G335	LW2-G335	46.1	218			204	1.67 U		35.6	37	75.8			553	2.94	1.67 U	411		1.67 U	13.3	1.67 U	297	4.86	1.67 U
G339	LW2-G339	25.9	146			131	2.45 U		14.7	30.8	50.5			441	2.45 U	2.45 U	347		3.44	8.96	2.45 U	141	5.9	2.45 U
G347	LW2-G347	70.5	133			92.9	2.48 U		18.8	26.4	42			315	2.48 U	2.48 U	228		2.48 U	8.85	2.48 U	144	5.09	2.48 U
G351	LW2-G351	154	1570			988	6.32		104	826	881			3310	11.9	2.5 U	3170		42	77.4	4.6	838	27.9	12.5
G353-1	LW2-G353-1	165	1020			911	7.1		107	262	370			3250	10.4	3.34	2260		28.8	30.6	6.68	717	43.5	10.3
G355	LW2-G355	1110	8130			5910	40.5		749	1490	2590			24400	99.6	12.4 U	17900		197	267	21.3	5470	304	35.5
G358	LW2-G358	38.7	95.7			67.6	1.66 U		12	20.5	30.9			233	1.66 U	1.66 U	168		1.66 U	5.78	1.66 U	83.1	3.12	1.66 U
G360	LW2-G360	90	400			468	2.48 U		62	66.7	147			1740	2.83	2.48 U	1250		7.69	14.9	2.48 U	504	25.8	3.5
G364	LW2-G364	11.1	170			57.8	2.46 U		5.82	30.3	34.9			329	2.46 U	2.46 U	205		5.3	5.62	2.46 U	46.3	9.17	4.08
G371	LW2-G371	66.5	705			490	2.55 U		38.6	150	156			1600	2.55 U	2.55 U	1470		8.99	13.5	2.55 U	365	12.3	3.71
G372-1	LW2-G372-1	21.6	32.8			22.7	2.48 U		5.46	7.21	10.7			120	2.48 U	2.48 U	58.8		2.48 U	2.48 U	2.48 U	25.4	7.05	2.48 U
G373	LW2-G373	61.5	54.9			40.6	2.47 U		12.2	13.3	21.2			138	2.47 U	2.47 U	104		2.47 U	4.57	2.47 U	46.5	3.2	2.47 U
G380	LW2-G380	93	124			80.7	2.47 U		26.9	22.5	38.7			210	2.47 U	2.47 U	192		2.47 U	3.51	2.47 U	58.4	19.3	2.47 U
G381	LW2-G381	78.4	968			566	3.72		74.6	172	256			2340	9.66	2.5 U	1510		29.2	36.4	2.53	568	16.5	13.6
G382	LW2-G382	627	878			541	5 U		147	204	278			1870	10.2	5 U	1170		12.3	67.1	5 U	557	118	8.84
G386	LW2-G386	37.7	69.4			46.2	2.51 U		9.42	14.8	24.6			163	2.51 U	2.51 U	120		2.51 U	4.35	2.51 U	51	2.67	2.51 U
G390	LW2-G390	314	2100			1240	11.6 U		166	584	760			5770	18	11.6 U	3810		52.4	88.5	11.6 U	916	176	29.1
G392	LW2-G392	48.7 T	104 T			64.4 T	2.53 UT		14.6 T	19.7 T	31.2 T			220 T	2.53 UT	2.53 UT	170 T		2.53 UT	8.13 T	2.53 UT	81.6 T	4.1 T	2.53 UT
G399	LW2-G399	59.9	684			388	2.5 U		43.4	93.7	162			1370	4.36	2.5 U	998		9.84	15.8	2.5 U	368	5.93	3.73
G401	LW2-G401	57.9	449			265	2.54 U		32.8	65.9	112			905	2.94	2.54 U	655		6.17	15	2.54 U	267	5.35	2.54 U
G402	LW2-G402	804	377			328	4.91 U		173	114	175			909	4.91 U	4.91 U	495		12.2	19.9	3.46	193	250	4.85
G410-1	LW2-G410-1	39.5	132			92	2.48 U		15.1	25	42.3			305	2.48 U	2.48 U	240		2.48 U	7.96	2.48 U	113	4.13	2.48 U
G416	LW2-G416	86.1	499			277	12.5 U		52	144	183			1190	5.02	12.5 U	776		14.2	28.1	12.5 U	400	19.1	12.5 U
G417	LW2-G417	24.8	86.3			50.6	2.49 U		9.18	14.2	22.5			171	2.49 U	2.49 U	123		2.49 U	3.58	2.49 U	59.6	2.55	2.49 U

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	38444-93-8	PCB040_041_071	PCB041_064_071_PCB041 & 064 & 071 & 072	36559-22-5	PCB042_059	70362-46-8	PCB043_049	41464-39-5	PCB044_047_065	70362-45-7	PCB045_051	41464-47-5	2437-70-8	70362-47-9	PCB048_075	PCB049_069	62796-65-0	PCB050_053	68194-04-7	35693-99-3	PCB052_069
	Chemical Name	PCB040	PCB040 & 041 & 071	072	PCB042	PCB042 & 059	PCB043	PCB043 & 049	PCB044	PCB044 & 047 & 065	PCB045	PCB045 & 051	PCB046	PCB047	PCB048	PCB048 & 075	PCB049 & 069	PCB050	PCB050 & 053	PCB051	PCB052	PCB052 & 069
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
B002	LW2-B002																					
B004	LW2-B004																					
B007	LW2-B007																					
B008	LW2-B008																					
B015	LW2-B015																					
B017	LW2-B017																					
B018	LW2-B018																					
B020	LW2-B020																					
B022-1	LW2-B022-1																					
B022-2	LW2-B022-2																					
B023	LW2-B023																					
B024	LW2-B024																					
B026	LW2-B026																					
C093	LW2-C093-A	7840		51000		13700		68600	105000		4870		2240	16300		7430		120		1770		195000
D1-1	LW2-D1-1	44.3 T		280 T		90.3 T		245 T	273 T		30.7 T		14.5 T	130 T		52.4 T		2.5 UT		25.8 T		327 T
G004	LW2-G004	396		2420		791		1880	2490		308		123	721		370		5 U		99.7		2390
G007-1	LW2-G007-1	1820		11400		4040		10400	13000		1840		776	4460		1560		39.3		587		12800
G009	LW2-G009	21900		120000		40900		98100	130000		18100		7650	37400		21100		300		5840		119000
G016	LW2-G016	175		997		343		849	1040		143		58.7	363		171		3.59 J		57.1		1090
G019	LW2-G019	8470		47000		15900		38100	52500		8050		3080	15400		6930		108		2310		52700
G025	LW2-G025	105000		705000		195000		520000	764000		115000		45300	153000		157000		1830		33400		793000
G028	LW2-G028	1970		11000		3680		9030	11800		1860		748	3210		2700		31.5		588		11700
G036	LW2-G036	56.2		348		110		481	352		42		30	472		70.3		9.88 J		240		567
G038	LW2-G038	197		1530		703		1660	2000		339		147	642		376		6.94		115		2080
G043	LW2-G043	108		630		231		609	702		94.9		42	272		133		3.26		44.7		809
G057	LW2-G057	50.3		283		107		354	313		41.8		19.1	175		57.9		2.48 U		34		435
G067	LW2-G067	94		477		190		486	588		86.2		38.1	214		112		3.39 U		42.9		668
G086	LW2-G086	972		5450		1650		5700	9400		735		317	1570		1100		15.4		288		14900
G090	LW2-G090	2980		14600		5830		12900	16700		3460		1450	5390		4280		83		1340		17000
G092	LW2-G092	5360		27300		8640		48900	74800		3060		1680	11500		2990		53.3		1330		157000
G093	LW2-G093	3620		23100		6950		33000	44300		2570		1130	8300		4590		69.3		1000		82100
G095	LW2-G095	23.8		127		55.2		166	185		24.7		11.1	74.1		28.5		2.48 U		13.4		248
G096	LW2-G096	206		1730		667		2800	3370		327		193	1810		330		17.6		460		6760
G103	LW2-G103	320		1460		528		1400	1990		313		138	509		342		6.41		119		2260
G105	LW2-G105	38.9 T		422 T		122 T		576 T	689 T		67.7 T		31.5 T	205 T		66.7 T		1.46 T		24.7 T		1080 T
G109	LW2-G109	1720		8580		3480		7340	9950		1960		803	2480		2530		35.2		582		9310
G112	LW2-G112	2220		10100		4350		9170	12600		2440		992	3180		3200		44.8		700		12000
G117	LW2-G117	82.5		458		165		569	633		67.7		32	223		78.3		4.76 U		35.9		943
G128	LW2-G128	24.4		136		51.5		157	157		19.1		9.16	82.7		31.2		1.65 U		18		208
G139	LW2-G139	56.1		724		246		1000	1600		116		55.6	339		95.1		4.14		54.4		2740
G147	LW2-G147	311		1930		392		2350	4690		146		67.1	398		252		2.35 U		42.6		8450
G149	LW2-G149	32.2		191		69.4		256	215		27.5		15.6	154		41.9		1.67		44		327
G178	LW2-G178	132		618		262		596	731		113		47.8	273		128		3.18		51.1		832
G184	LW2-G184	458		1440		672		2000	2260		594		330	684		226		13.8		209		2320
G197-2	LW2-G197-2	91.3		562		210		723	902		89.5		44	302		113		3.91		63.8		1500
G198	LW2-G198	190 JT		1040 JT		335 T		1680 JT	3180 JT		162 T		81.2 T	435 T		143 JT		4.51 T		81.2 T		6370 JT
G208	LW2-G208	31.3		251		112		482	587		43.4		22.4	202		57		2.19		30.9		1040
G218	LW2-G218	49.3		495		183		1350	377		32.2		30.6	1800		87.6		4.42 U		397		832
G225	LW2-G225	120 J		564 J		193 J		555 J	759 J		114 J		52.7 J	222 J		123 J		11.6 UJ		62.1 J		984 J
G230	LW2-G230	80.5		380		153		499	691		64.8		30	202		84.5		4.9 U		33.6		967
G233	LW2-G233	62.4		339		128		468	453		56.4		29.2	258		66.3		3.16		72.8		703
G241	LW2-G241	39		210		77.4		236	245		31.5		13.5	101		47.3		2.47 U		20.1		320
G247	LW2-G247	112		650		203		1140	1450		81.6		42.3	511		117		3.08		76.5		2950
G257	LW2-G257	10.8		143		33.7		209	98.1		9.07		18.7	162		15.6		2.46 U		43.3		213
G273	LW2-G273	404		2760		1160		3570	3820		574		239	1300		677		12.3		170		4790
G280	LW2-G280	48.6		381		132		728	334		38.7		31.8	1650		88.7		26.9		650		615
G282	LW2-G282	632		5550		3680		19000	6080		762		1070	54900		2020		2440		23800		18500
G293	LW2-G293	41.2		253		87.4		346	263		33		18.4	331		58.5		8.14		113		413
G298	LW2-G298	46.4		236		71.7		247	392		36.3 J		17 J	81		41.4 J		66.5 U		66.5 U		696
G307	LW2-G307	931		4680		1820		4830	5510		807		336	1530		1280		22.5		259		6080
G308	LW2-G308	304		1600		582		1620	1980		272		117	521		373		5.72		53.2		2400
G310	LW2-G310	837		4530		1800		5170	5340		747		323	1880		1190		22		267		5940
G320	LW2-G320	273		1390		497		1220	1580		241		99.8	427		337		4.76		61.1		1730
G327	LW2-G327	558		3230		1140		4950	5390		442		199	1860		534		10.5		140		9080
G328	LW2-G328	4.69		46.7		18.2		80.6	58.1		6.7		4.13	67.3		11.1		1.68 U		21.4		106
G332	LW2-G332	2540		13800		6300		25800	19100		2230		949	8040		1040		89.2		881		28500
G335	LW2-G335	157		786		280		546	787		152		61.9	242		117		1.67 U		45.2		893
G339	LW2-G339	163		852		288		796	1140		113		50.3	293		152		2.72		44.5		1420
G347	LW2-G347	80.9		403		143		491	623		74.3		37.9	258		83.6		4.26		64		991
G351	LW2-G351	741		3880		1390		3760	4540		640		273	1610		762		16.7		216		5040
G353-1	LW2-G353-1	1470		7350		2540		5900	8120		1190		507	2360		1410		21.2		377		7570
G355	LW2-G355	7540		35600		11400		31800	42500		6480		2790	14500		8100		124		2250		42800
G358	LW2-G358	49.2		268		99.1		381	315		38.1		18.4	159		52.2		2.68		32.4		400
G360	LW2-G360	477		3300		1680		3690	5470		802		357	1500		880		11.9		258		5410
G364	LW2-G364	61.9		538		175		1110	727		41.5		21.2	438		74.9		2.46 U		25.3		1550
G371	LW2-G371	273		1580		745		1760	2540		404		181	675		461		7.03		125		2570
G372-1	LW2-G372-1	24.4		239		55.7		368	334		14.4		20	348		41.4		2.48 U		167		696
G373	LW2-G373	24.1		158		49.4		206	191		18.2		10.3	145		28.4		3.5		41.9		331
G380	LW2-G380	69.3		728		262		2080	1270		41.8		27.6	1290		120		11.3		293		3280
G381	LW2-G381	528		2740		1020		2900	3170		398		171	976		703		11.8		130		3700
G382	LW2-G382	321		3060		694		6120	4930		185		182	6030		450		66.6		2100		11300
G386	LW2-G386	33		212		65.7		321	308		22.4		12	164		38.9		3.45		43.5		566
G390	LW2-G390	1090		8870		3090		17900	14500		703		929	8400		1600		29.1		1740		27200
G392	LW2-G392	55.6 T		362 T		106 T		487 T	534 T		38.3 T		19.6 T	217 T		59.4 T		3.55 T		52.7 T		987 T
G399	LW2-G399	217		1090		410		1070	1270		184		82.4	417		263		5.03		72.5		1420
G401	LW2-G401	136		734		265		694	813		113		51.9	284		175		4.47		57.3		919
G402	LW2-G402	213		3120		498		8250	3210		157		203	12400		597		113		5080		9790
G410-1	LW2-G410-1	48.4		304		104		346	401		38.3		17.7	170		61.5		2.51		35.8		591
G416	LW2-G416	230		1500		549		2160	1660		179		95.2	1180		238		11.5		261		2910
G417	LW2-G417	40		187		74.9		236	224		32.9		16.7	149		49		2.49 U		48		368

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	41464-41-9	15968-05-5	74338-24-2	41464-43-1	PCB056_060	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070	PCB061_070_074_PCB061 & 070 & 074 & 076	54230-22-7	74472-34-7	52663-58-8	33284-54-7	32598-10-0	PCB066_076	73575-53-8	73575-52-7	41464-42-0	74338-23-1	32690-93-0	32598-13-3
	Chemical Name	PCB053	PCB054	PCB055	PCB056	PCB056 & 060	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070		PCB062	PCB063	PCB064	PCB065	PCB066	PCB066 & 076	PCB067	PCB068	PCB072	PCB073	PCB074	PCB077
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																							
B002	LW2-B002																							866
B004	LW2-B004																							8080
B007	LW2-B007																							6.04
B008	LW2-B008																							3.78
B015	LW2-B015																							1.85
B017	LW2-B017																							3.35
B018	LW2-B018																							188
B020	LW2-B020																							15.5
B022-1	LW2-B022-1																							140
B022-2	LW2-B022-2																							139
B023	LW2-B023																							7.78
B024	LW2-B024																							271
B026	LW2-B026																							199
C093	LW2-C093-A	7520	109	1550		26300	326	283			123000		15	2200		21.5		57000	1700	748		12.4 U	27900	2770
D1-1	LW2-D1-1	48.3 T	7.24 T	3.32 T		138 T	2.5 UT	2.5 UT			247 T		2.5 UT	7.8 T		2.5 UT		218 T	6.76 T	5.45 T		7.92 T	104 T	28.6 T
G004	LW2-G004	312	6.82	30.4		1850	9	6.38			2420		5 U	87.3		5 U		2750	53	14.7		5 U	1280	314
G007-1	LW2-G007-1	1850	24.5	104		7340	43.5	37			10800		5.04 U	421		5.04 U		12100	236	88.2		5.04 U	5360	1260
G009	LW2-G009	18100	216	1360		84500	405	226			106000		26.7	4270		56.8		118000	2430	460		3360	58000	10600
G016	LW2-G016	154	7.6 J	13.5		661	4.67 J	2.53 J			1010		12.4 U	35.5		12.4 U		1020	25.9	8.83 J		12.4 U	477	113
G019	LW2-G019	8380	111	450		29500	133	75.3			40000		11.5	1250		25.8		42700	820	145		9.82 U	19400	4250
G025	LW2-G025	113000	1520	6110		413000	1790	556			675000		202	18800		357		507000	10900	1250		49.3 U	282000	33900
G028	LW2-G028	1790	26.3	122		7480	41.1	22.1			11100		12.6 U	419		12.6 U		9720	253	45.1		12.6 U	5570	858
G036	LW2-G036	240	70.7	11.4 J		181	2.95	4.11 J			381		12.7 U	12.7		12.7 U		291	9.65 J	7.13 J		9.63 J	145	35.6
G038	LW2-G038	336	5.74	30.8		1140	13	5.09			1710		2.45 U	66.9		2.45 U		1650	65	8.04		51.4	849	214
G043	LW2-G043	111	6.74	10		399	3.76	2.44			751		1.68 U	25.7		1.68 U		695	20.7	7.42		1.68 U	293	76.4
G057	LW2-G057	70.3	4.64	5.39		176	2.48 U	3.12			405		2.48 U	14.1		2.48 U		365	9.69	8.07		2.48 U	150	35.4
G067	LW2-G067	97.8	6.31	8.3		239	3.39 U	3.39 U			500		3.39 U	17.4		3.39 U		406	16.7	6.2		3.39 U	138	44.8
G086	LW2-G086	889	23.3	114		2130	21.9	11.7			9030		5.08 U	174		5.08 U		3850	108	45.4		5.08 U	2490	195
G090	LW2-G090	3120	99.2	148		3050	85.5	18.5			8980		10.4	393		17.6		6290	467	53.1		4.39 U	3880	464
G092	LW2-G092	6200	56.7	1200		11200	115	136			92700		47.9 U	859		47.9 U		32900	577	381		47.9 U	11000	1530
G093	LW2-G093	3540	73.5	636		10900	144	200			51000		13 U	1100		13 U		24100	942	458		863	13100	1200
G095	LW2-G095	31.1	2.48 U	3.12		99.3	2.48 U	4.55			108		2.48 U	6.36		2.48 U		186	2.48 U	2.48 U		2.48 U	49.7	19.3
G096	LW2-G096	742	63.7	73.2		797	18.9	7.13			3010		5.12 U	67.5		5.12 U		1690	48.3	28.3		5.12 U	807	149
G103	LW2-G103	339	10.8	27.3		877	7.71	5.27			1880		3.04 U	57.6		3.04 U		1330	39.4	13.2		3.04 U	658	123
G105	LW2-G105	88.1 T	1.87 T	10.7 T		300 T	3.83 T	3.28 T			754 T		1.25 UT	22.4 T		1.25 UT		548 T	19.4 JT	8.14 T		1.25 UT	220 T	50.4 T
G109	LW2-G109	1620	35	143		3750	49.6	13.5			6990		7.9	263		9.94		5400	302	31		5 U	2970	482
G112	LW2-G112	2010	39.8	185		4750	65.8	20.9			9180		9.18	348		12.9		6890	404	35.8		4.81 U	3950	588
G117	LW2-G117	88.3	4.76 U	10.1		226	4.76 U	4.76 U			633		4.76 U	18.5		4.76 U		479	14.9	11		4.76 U	179	43.9
G128	LW2-G128	34.9	4.32	2.81		85.2	1.65 U	1.65 U			183		1.65 U	6.21		1.65 U		155	5.69	2.85		1.65 U	70.5	19.4
G139	LW2-G139	179	9.99	18.2		477	3.95	2.47 U			1750		2.47 U	31.4		2.47 U		745	22.2	3.44		2.47 U	426	93.9
G147	LW2-G147	286	2.82	38.7		1000	3.42	2.35 U			4920		2.35 U	63.5		2.35 U		1610	11.4	4.67		119	1180	47.6
G149	LW2-G149	60.1	6.28	3.6		102	1.83	1.84			253		1.65 U	8.99		1.65 U		215	6.38	6.06		1.65 U	82.3	23.8
G178	LW2-G178	127	6.15	12.3 U		334	12.3 U	11.6			324		12.3 U	16		12.3 U		635	12.3 U	3.44		12.3 U	147	70.8
G184	LW2-G184	598	13.7	10.9		405	17.8	5.53			806		5.08 U	62.1		5.08 U		623	48.1	14.9		5.08 U	344	64.7
G197-2	LW2-G197-2	142	9.19	13.2		391	4.06	3.07			1030		2.46 U	27.1		2.46 U		720	20.8	8.18		2.46 U	281	96.3
G198	LW2-G198	259 T	11.9 T	46.2 JT		910 T	6.11 T	2.85 T			2250 JT		2.53 UT	54.1 T		2.53 UT		1570 T	30.7 T	6.65 T		2.53 UT	788 JT	149 T
G208	LW2-G208	82.2	4.72	8.25		218	2.44	2.57			735		1.66 U	17.1		1.66 U		414	13.2	18.9		1.66 U	173	68.9
G218	LW2-G218	173	29.9	24.5		191	12.3	14.3			764		4.42 U	47.2		4.42 U		795	15.4	104		36.1	155	77.3
G225	LW2-G225	141 J	11.6 UJ	11.6 U		191	11.6 U	11.6 U			373		11.6 UJ	11.6 U		11.6 UJ		262	11.6 U	11.6 UJ		11.6 UJ	120	36.9
G230	LW2-G230	84.7	5.34	11.1		291	4.9 U	4.9 U			764		4.9 U	21.1		4.9 U		515	12.6	5.89		4.9 U	207	51.5
G233	LW2-G233	121	11.3	5.63		195	2.1	2.42			470		2.5 U	14.7		2.5 U		372	11	6.56		16	156	39.6
G241	LW2-G241	46	3.33	3.67		134	2.47 U	2.47 U			296		2.47 U	9.76		2.47 U		249	7.79	4.2		2.47 U	98.3	29.2
G247	LW2-G247	174	8.15	24.2		360	4.56	5.95			1620		2.46 U	33.7		2.46 U		748	14.8	12.3		76.2	354	106
G257	LW2-G257	67	3.98	2.8		31.1	2.46 U	2.46 U			105		2.46 U	5.64		2.46 U		83.3	2.61	6.1		6.42	29.6	8.87
G273	LW2-G273	589	12.2	43.3		1910	34.8	19.5			2210		2.51 U	130		2.51 U		3110	146	30.5		2.51 U	1140	308
G280	LW2-G280	346	156	11.4		203	5.17 U	5.17 U			435		5.17 U	18.7		5.17 U		411	17.6	26.3		48.7	175	47.5
G282	LW2-G282	17100	12900	255		1050	511	26.7 U			2960		26.7 U	231		26.7 U		2610	480	672		2620	1170	165
G293	LW2-G293	114	60.1	4.86		139	2.55 U	2.55 U			321		2.55 U	11.4		2.55 U		287	9.01	7.41		12.5	121	33.3
G298	LW2-G298	36.6 J	66.5 U	66.5 U		164	66.5 U	66.5 U			235		66.5 U	66.5 U		66.5 U		242	66.5 U	66.5 U		66.5 U	91.3	32.9 J
G307	LW2-G307	739	9.45	40.7		2420	23.5	39.3			5740		2.52 U	200		3.8		4560	131	80.6		59.5	2270	402
G308	LW2-G308	261	3.63	19.7		942	10.2	8.43			1180		2.46 U	63.4		2.46 U		1440	66.5	20.3		2.46 U	501	123
G310	LW2-G310	661	9.35	43		2260	24.5	47			5700		4.88 U	191		4.88 U		4840	118	91.5		110	2170	387
G320	LW2-G320	217	3.89	14.2		751	7.27	6.36			1210		2.53 U	50.1		2.53 U		1160	48.8	12.6		37.5	458	118
G327	LW2-G327	503	6.25	55.2		1830	35.8	23.2			6210		2.52 U	159		2.52 U		3930	141	94.3		2.52 U	1530	225
G328	LW2-G328	27.4	3.25	1.68 U		22.5	1.68 U	1.68 U			52.6		1.68 U	1.72		1.68 U		42.2	1.7	1.68 U		2.29	19	4.75
G332	LW2-G332	2160	28.9	84.8		2570	140	119			10700		12.5 U	366		14.4		5590	361	444		12.5 U	1310	476
G335	LW2-G335	144	1.67 U	1.67 U		425	3.05	1.42			546		1.67 U	16.2		1.67 U		524	16.7	4.54		1.67 U	254	71.3
G339	LW2-G339	132	3.86	13.6		668	4.03	2.74			1120		2.45 U	37		2.45 U		957	22.8	5.3		24.9	484	136
G347	LW2-G347	132	13.5	10		275	2.87	2.48 U			664		2.48 U	17.9		2.48 U		455	12.5	4.83		2.48 U	208	61.9
G351	LW2-G351	625	13	58.7		2630	33.9	19.5			4250		7.27	195		7.77		3630	222	47.7		2.5 U	1560	462
G353-1	LW2-G353-1	1150	17.8	68.7		4590	29.9	18.8			5050		10	265		13.6		6410	154	36.5		152	3040	647
G355	LW2-G355	6230	72.5	437		23700	162	88.5			38800		125	1370		100		32600	845	206		1050	18100	3060
G358	LW2-G358	64.5	7.2	4.6		185	1.7	1.66 U			350		1.66 U	11.4		1.66 U		300	8.99	4.74		5.51	142	37.3
G360	LW2-G360	824	11.5	47.8		3400	14.7	8.55			4740		2.48 U	149		2.48 U		4520	83.9	8.99		101	2040	445
G364	LW2-G364	63.5	2.46 U	18.2		274	9.92	11.1			1110		2.46 U	25.8		2.46 U		696	14.6	41.8		26.1	258	30.3
G371	LW2-G371	412	7.25	28.7		1600	8.95	5.58			2560		2.55 U	89.1		2.55 U		2060	52.3	8.89		2.55 U	1150	198
G372-1	LW2-G372-1	94	11.1	5.81		72.7	2.48 U	2.48 U			341		2.48 U	7.89		2.48 U		156	3.76	12.1		26.4	84.4	18.3
G373	LW2-G373	61.6	13.7	4.15		95.3	2.47 U	2.47 U			254		2.47 U	6.57		2.47 U		176	5.68	3.94		3.19	84.7	22
G380	LW2-G380	253	31.6	32.4		205	5.43	16.9			1720		2.47 U	55.8		2.47 U		1080	8.48	77.3		2.47 U	312	29.9
G381	LW2-G381	378	4.58	30.8		1330	14	24.6			3190		2.5 U	115		2.5 U		2570	74.1	63		55.3	1220	220
G382	LW2-G382	1670	245	143		1200	31	28.5			6140		5 U	126		5 U		2820	79.9	127		253	1390	349
G386	LW2-G386	79.1	9.73	5.47		110	2.51 U	2.51 U			344		2.51 U	8.94		2.51 U		214	6.89	5.89		8.55	105	26
G390	LW2-G390	3450	113	193		3320	49.1	109			16700		11.6 U	509		11.6 U		10100	147	407		550	3870	660
G392	LW2-G392	97.4 T	10.9 T	9.66 T		196 T	2.91 T	3.13 T			652 T		2.53 UT	15.8 T		2.53 UT		393 T	10.2 T	11.2 T		11.4 T	200 T	43.9 T
G399	LW2-G399	200	6.22	12.4		673	6.19	5.19			1320		2.5 U	44		2.5 U		1090	33.3	11.4		2.5 U	511	116
G401	LW2-G401	135	8.51	10.1		451	4.08	2.75			887		2.54 U	28.2		2.54 U		725	22.6	8.53		2.54 U	339	81.5
G402	LW2-G402	3260	564	162		676	46.8	41.8			3690		4.91 U	96		4.91 U		1880	59.5	189		334	841	170
G410-1	LW2-G410-1	67.8	7.07	7.64		216	2.48 U	2.48 U			549		2.48 U	14.6		2.48 U		381	12.3	5.12		5.53	192	42.6
G416	LW2-G416	423	22.6	26.3		706	14.7	16.5			2030		2.5 U	69.6		2.5 U		1840	52.7	54.7		2.5 U	679	189
G417	LW2-G417	68.1	5.59	4.27		106	2.49 U	2.49 U			245		2.49 U	7.34		2.49 U		193	6.77	3.2		2.49 U	88.6	30.3

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	70362 -49-1	41464 -48-6	33284 -52-5	70362 -50-4	52663 -62-4	60145 -20-2	PCB083 _099	52663 -60-2	PCB084 _092	PCB085 _116	_116 _117	55312 -69-1	PCB086 _087_097_ PCB086 & 087 & 097 & 108 & 119 & 125	PCB087 _117_125	PCB088 _091	73575 -57-2	PCB090 _101	PCB090 _101_113 PCB090 & 101 & 113	52663 -61-3	73575 -56-1	PCB093 _095_098_ PCB093 & 095 & 098 & 100 & 102
	Chemical Name	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083	PCB083 & 099	PCB084	PCB084 & 092	PCB085 & 116	PCB085 & 116 & 117	PCB086	PCB086 & 087 & 097 & 108 & 119 & 125	PCB087 & 117 & 125	PCB088 & 091	PCB089	PCB090 & 101	PCB090 & 101 & 113	PCB092	PCB093	PCB093 & 095 & 098 & 100 & 102
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
B002	LW2-B002				105																	
B004	LW2-B004				1130																	
B007	LW2-B007				0.947																	
B008	LW2-B008				1.39																	
B015	LW2-B015				0.352																	
B017	LW2-B017				0.769																	
B018	LW2-B018				28.8																	
B020	LW2-B020				4.15																	
B022-1	LW2-B022-1				35.7																	
B022-2	LW2-B022-2				39.8																	
B023	LW2-B023				1.43																	
B024	LW2-B024				49.2																	
B026	LW2-B026				37.9																	
C093	LW2-C093-A	12.4 U	2930	12.4 U	1890	31600	12.4 U			135000	43000		4230		124000	39900	1960	318000			12.4 U	
D1-1	LW2-D1-1	2.5 UT	4.79 T	2.5 UT	0.932 JT	46.7 T	2.5 UT			184 T	83 T		2.6 T		162 T	80.6 T	5.04 T	478 T			2.5 UT	
G004	LW2-G004	5 U	26.7	5 U	11	384	5 U			848	536		33		875	391	50.2	1830			5 U	
G007-1	LW2-G007-1	23.3	94.3	5.04 U	42.3	1710	5.04 U			4060	2160		110		3470	1790	240	7840			5.04 U	
G009	LW2-G009	252	799	8.62 U	279	18700	151			38900	23400		1830		38300	18600	2770	75300			8.62 U	
G016	LW2-G016	12.4 U	13.5	12.4 U	2.4 J	149	12.4 U			384	215		12.3 J		376	174	18.6	900			12.4 U	
G019	LW2-G019	99.8	318	9.82 U	217	6940	63.3			14700	8880		650		14900	6700	1020	29300			9.82 U	
G025	LW2-G025	49.3 U	4080	49.3 U	1040	55200	464			110000	62300		5720		111000	49000	8370	213000			49.3 U	
G028	LW2-G028	12.6 U	85.2	12.6 U	14.9	1640	13.8			3800	2060		162		3540	1780	279	7010			12.6 U	
G036	LW2-G036	12.7 U	8.36 J	12.7 U	0.789 J	61.6	12.7 U			243	89.6		2.74 J		210	235	6.06 J	621			12.7 U	
G038	LW2-G038	2.45 U	17.5	2.45 U	11.4	261	2.45 U			837	373		17.4		730	339	38.5	1650			2.45 U	
G043	LW2-G043	1.68 U	10.6	1.68 U	1.41 J	129	1.68 U			402	174		4.54		359	148	13	943			1.68 U	
G057	LW2-G057	2.48 U	9.73	2.48 U	0.591 J	59.6	2.48 U			274	82.4		2.48 U		162	117	5.32	651			2.48 U	
G067	LW2-G067	3.39 U	9.42	3.39 U	1.14 J	89.6	3.39 U			367	125		3.82		304	134	8.48	1090			3.39 U	
G086	LW2-G086	5.08 U	196	5.08 U	80.6	2100	5.08 U			7890	2620		59.1		7510	2550	161	18500			5.08 U	
G090	LW2-G090	24.9	104	4.39 U	12.7	1230	4.39 U			4420	1370		53.7		3820	1720	107	10700			4.39 U	
G092	LW2-G092	47.9 U	2290	47.9 U	344	32100	47.9 U			115000	35400		47.9 U		107000	33200	1670	263000			47.9 U	
G093	LW2-G093	13 U	1130	13 U	131	14200	13 U			65200	20500		266		58700	19000	1020	151000			13 U	
G095	LW2-G095	2.48 U	4.5	2.48 U	1.25 J	40	2.48 U			153	50.5		2.48 U		114	57.1	3.93	369			2.48 U	
G096	LW2-G096	5.12 U	117	5.12 U	14.7	1380	5.12 U			5850	1750		39.7		4740	1970	94.5	13000			5.12 U	
G103	LW2-G103	7.39	29.6	3.04 U	4.43	336	3.04 U			1090	377		20.5		882	415	39.2	2410			3.04 U	
G105	LW2-G105	1.25 UT	17.7 T	1.25 UT	1.88 JT	165 T	1.25 UT			710 T	233 T		19.2 JT		565 T	222 T	13.4 T	1680 T			1.25 UT	
G109	LW2-G109	5 U	56.9	5 U	15.4	736	5 U			2020	828		40.8		1960	821	85.5	4470			5 U	
G112	LW2-G112	4.81 U	70.6	4.81 U	20.1	932	4.81 U			2620	1050		50.1		2530	1020	102	5830			4.81 U	
G117	LW2-G117	4.76 U	18.1	4.76 U	0.867 J	120	4.76 U			578	187		4.76 U		430	194	11	1180			4.76 U	
G128	LW2-G128	1.65 U	3.52	1.65 U	0.46 J	30.6	1.65 U			123	45.7		1.65 U		98.2	51.2	3.09	295			1.65 U	
G139	LW2-G139	2.47 U	24.1	2.47 U	43.2	447	2.47 U			1750	477		2.47 U		1720	559	26	4040			2.47 U	
G147	LW2-G147	2.35 U	74.7	2.35 U	31.2	1400	2.35 U			5230	1830		48.3		5330	1570	101	12200			2.35 U	
G149	LW2-G149	1.65 U	6.23	1.65 U	0.981 J	45.6	1.65 U			219	72.5		2.31		154	90.9	4.78	541			1.65 U	
G178	LW2-G178	12.3 U	6.97	12.3 U	11.2 J	86	12.3 U			252	107		7.72		209	101	13.1	628			12.3 U	
G184	LW2-G184	5.08 U	6.12	5.08 U	1.32 J	54.8	5.08 U			255	63.9		5.08 U		136	93.1	9.5	417			5.08 U	
G197-2	LW2-G197-2	3.65	14.4	2.46 U	1.72 J	286	2.46 U			1280	346		49		1050	400	20.4	2980			2.46 U	
G198	LW2-G198	31 JT	71.5 JT	2.53 UJT	54.3 JT	1250 JT	2.53 UJT			5150 JT	1330 JT		74.9 JT		4850 JT	1410 JT	83.2 JT	11700 JT			2.53 UJT	
G208	LW2-G208	1.66 U	20.1	1.66 U	2.77	195	1.66 U			629	237		4.44		660	241	14.7	1810			1.66 U	
G218	LW2-G218	4.42 U	126	12.8	3.16	166	4.42 U			2510	268		4.42 U		1100	626	16.2	8240			4.42 U	
G225	LW2-G225	11.6 U	11.6 U	11.6 U	7.06 J	70.5	11.6 U			336	108		11.6 U		294	112	11.6 U	1020			11.6 U	
G230	LW2-G230	4.9 U	18.4	4.9 U	3.45 J	218	4.9 U			668	259		7.44		649	235	15.7	1560			4.9 U	
G233	LW2-G233	2.5 U	9.26	2.5 U	2.79	109	2.5 U			525	146		4.22		373	183	10.4	1330			2.5 U	
G241	LW2-G241	2.47 U	5.32	2.47 U	0.696 J	55.2	2.47 U			197	74.9		2.47 U		154	77	5.69	492			2.47 U	
G247	LW2-G247	2.46 U	60.4	2.46 U	19.1	526	2.46 U			2710	779		9.37		2240	854	38.2	7120			2.46 U	
G257	LW2-G257	2.46 U	3.22	2.46 U	0.811 J	26.3	2.46 U			189	37.7		2.46 U		87.9	87.9	3.17	326			2.46 U	
G273	LW2-G273	2.51 U	51.5	2.51 U	19	598	3.34			3260	844		23.6		2000	881	73.7	7590			2.51 U	
G280	LW2-G280	5.17 U	14.1	5.17 U	1.83 J	76.1	5.17 U			534	124		5.17 U		287	320	9.06	1270			5.17 U	
G282	LW2-G282	26.7 U	337	26.7 U	18.1 J	749	79.2			18900	1140		139		5500	8250	154	40200			26.7 U	
G293	LW2-G293	2.55 U	8.26	2.55 U	1.6 J	59.3	2.55 U			285	92.4		2.55 U		195	133	5.96	742			2.55 U	
G298	LW2-G298	66.5 U	15.6 J	66.5 U	19.4 J	120	66.5 U			450	196		66.5 U		538	127	66.5 U	1470			66.5 U	
G307	LW2-G307	2.52 U	84.1	2.52 U	4.68	724	2.52 U			3240	1000		13.8		2040	1110	89.9	7650			2.52 U	
G308	LW2-G308	2.46 U	24.3	2.46 U	7.5	292	2.46 U			1060	399		12.5		856	346	34.6	2520			2.46 U	
G310	LW2-G310	4.88 U	96.6	4.88 U	9.44	668	4.88 U			3240	929		14.3		1850	1210	83.2	7500			4.88 U	
G320	LW2-G320	2.53 U	14.3	2.53 U	4.24	225	2.53 U			849	308		14.1		678	271	27.1	2000			2.53 U	
G327	LW2-G327	24.5	131	2.52 U	55.2	1050	2.52 U			5830	1430		155		4340	1710	81.5	12900			2.52 U	
G328	LW2-G328	1.68 U	1.68 U	1.68 U	0.245 J	7.99	1.68 U			53.8	13.5		1.68 U		32.5	30.6	1.68 U	152			1.68 U	
G332	LW2-G332	12.5 U	143	12.5 U	2.43 J	345	12.5 U			9700	600		12.5 U		1160	3200	160	9730			12.5 U	
G335	LW2-G335	1.67 U	7.37	1.67 U	4.65	112	1.67 U			468	173		5.9		369	142	17.8	1600			1.67 U	
G339	LW2-G339	2.45 U	18.6	2.45 U	6.76	287	2.45 U			937	384		14.2		883	312	31.5	2130			2.45 U	
G347	LW2-G347	2.48 U	14.1	2.48 U	6.03	201	2.48 U			776	252		6.41		661	289	17.5	1760			2.48 U	
G351	LW2-G351	2.5 U	46.9	2.5 U	16.1	662	8			2050	879		30.9		1640	726	94.3	4100			2.5 U	
G353-1	LW2-G353-1	2.43 U	58.8	2.43 U	15.9	1130	14.9			2470	1440		102		2350	1110	181	4730			2.43 U	
G355	LW2-G355	13.5	355	12.4 U	59.7	6660	190			15600	8190		712		15800	7190	1200	31600			12.4 U	
G358	LW2-G358	1.66 U	5.67	1.66 U	1.14 J	60.5	1.66 U			218	90.4		8.79		180	90.8	6.03	553			1.66 U	
G360	LW2-G360	2.48 U	44	2.48 U	22.1	955	6.9			2270	1110		68.7		2160	963	155	4680			2.48 U	
G364	LW2-G364	7.8	71.1	2.46 U	2.4 J	166	2.46 U			1810	285		7.6		734	568	13.3	4870			2.46 U	
G371	LW2-G371	2.55 U	14.7	2.55 U	9.56	331	2.55 U			889	350		21.4		658	354	55.6	2040			2.55 U	
G372-1	LW2-G372-1	3.07	12.9	2.48 U	16.1	102	2.48 U			563	164		3.26		509	207	8.06	1500			2.48 U	
G373	LW2-G373	2.47 U	6.19	2.47 U	1.59 J	44.4	2.47 U			207	81.8		2.47 U		187	99.3	3.91	598			2.47 U	
G380	LW2-G380	2.47 U	82.3	2.47 U	2.72	533	2.47 U			4040	731		12.1		2590	1270	40.1	10300			2.47 U	
G381	LW2-G381	2.5 U	58.8	2.5 U	12.8	446	2.5 U			1960	660		17.4		1330	695	59.3	4630			2.5 U	
G382	LW2-G382	51.2	276	5 U	23.9	2080	5 U			11000	2720		111		8430	4890	127	28000			5 U	
G386	LW2-G386	2.51 U	10.9	2.51 U	1.17 J	85.4	2.51 U			403	114		2.77		311	172	7.4	1020			2.51 U	
G390	LW2-G390	11.6 U	440	11.6 U	68.5	3790	11.6 U			21200	5220		92.4		15000	6910	308	48800			11.6 U	
G392	LW2-G392	5.33 T	23.9 T	2.53 UT	2.37 T	179 T	2.53 UT			824 T	256 T		4.73 T		675 T	284 T	13.7 T	2140 T			2.53 UT	
G399	LW2-G399	2.5 U	13.5	2.5 U	1.24 J	175	2.5 U			620	232		9.51		482	211	21.8	1360			2.5 U	
G401	LW2-G401	2.54 U	12.1	2.54 U	2.41 J	136	2.54 U			473	172		7.88		394	169	15.4	1080			2.54 U	
G402	LW2-G402	4.91 U	215	4.91 U	37.9	1340	4.91 U			9510	1730		4.91 U		5800	5680	99.5	27300			4.91 U	
G410-1	LW2-G410-1	2.48 U	10.5	2.48 U	3.12	108	2.48 U			422	156		4.29		371	164	9.17	1090			2.48 U	
G416	LW2-G416	11.5	61.6	2.5 U	5.23	438	2.5 U			2550	532		121		1270	1020	28	5950			2.5 U	
G417	LW2-G417	2.49 U	7.09	2.49 U	0.62 J	53.7	2.49 U			459	75.7		2.49 U		260	130	7	1900			2.49 U	

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	73575-55-0	PCB095_098_102	73575-54-9	41464-51-1	38380-01-7	39485-83-1	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB106_118	PCB107_109	PCB107_124	PCB108_112	74472-35-8	38380-03-9
	Chemical Name	PCB094	PCB095 & 098 & 102	PCB096	PCB097	PCB099	PCB100	PCB101	PCB103	PCB104	PCB105	PCB106	PCB106 & 118	PCB107 & 109	PCB107 & 124	PCB108 & 112	PCB109	PCB110
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002										2730		4840					
B004	LW2-B004										31900		56000					
B007	LW2-B007										33		78.4					
B008	LW2-B008										44.6		97.7					
B015	LW2-B015										7.84		16.9					
B017	LW2-B017										21.5		54.7					
B018	LW2-B018										693		1180					
B020	LW2-B020										133		351					
B022-1	LW2-B022-1										1110		2720					
B022-2	LW2-B022-2										1140		2870					
B023	LW2-B023										61.9		115					
B024	LW2-B024										1250		2830					
B026	LW2-B026										1290		3600					
C093	LW2-C093-A	1040	253000	1860	95800	122000	722		1910	10.2 J	88600		257000	17600		14000		353000
D1-1	LW2-D1-1	5.13 T	348 T	6.87 T	126 T	213 T	12.3 T		10.8 T	2.5 UT	154 T		416 T	33.2 T		22.1 T		547 T
G004	LW2-G004	19.1	1440	30.4	757	1050	12.5		18.5	5 U	929		1770	141		121		2330
G007-1	LW2-G007-1	79.4	6410	156	3350	4680	52.7		92.3	5.04 U	3590		7100	592		510		9740
G009	LW2-G009	893	64000	1680	33700	45900	411		677	15.4	40500		70100	5750		5450		93200
G016	LW2-G016	8.99 J	669	14	318	492	11.8 J		13.2	12.4 U	405		851	68.2		50.3		1110
G019	LW2-G019	322	25100	604	12500	17000	137		236	9.82 U	14500		24700	2090		2000		36100
G025	LW2-G025	2680	192000	6990	92500	126000	1220		2080	53.2	108000		186000	15800		13900		266000
G028	LW2-G028	84.7	6330	172	3040	4070	50.6		84.2	12.6 U	3320		6310	539		478		8320
G036	LW2-G036	19.8	503	46.1	159	282	108		37.3	10.4 J	186		469	42.8		26.2		683
G038	LW2-G038	15	1580	17.5	593	797	9.65		16.1	2.45 U	580		1390	105		105		2150
G043	LW2-G043	6.81	678	10.9	284	465	12.5		17.4	1.68 U	350		855	73.8		46.1		1080
G057	LW2-G057	4.69	447	6.85	143	351	15.1		24.1	2.48 U	149		494	49.5		24.8		646
G067	LW2-G067	4.35	824	8.7	232	399	10.3		15.9	3.39 U	264		754	55.7		35.3		1120
G086	LW2-G086	77.7	15400	131	5750	7730	58.3		110	5.08 U	5670		14800	1070		790		21200
G090	LW2-G090	95.4	9500	164	2970	4220	85.8		104	6.85	3240		8390	529		390		11100
G092	LW2-G092	747	209000	1420	81200	104000	445		1290	47.9 U	71200		206000	14000		11500		303000
G093	LW2-G093	524	121000	807	45200	58000	381		1090	13 U	37700		117000	8690		6940		170000
G095	LW2-G095	2.48 U	288	2.48 U	102	168	2.94		6.31	2.48 U	104		287	24		15.5		415
G096	LW2-G096	63.3	11900	41.9	3820	5300	69.8		95.5	5.12 U	3100		8430	574		558		15600
G103	LW2-G103	17.5	2070	3.04 U	729	1090	20.3		32.8	3.04 U	824		1900	153		111		2660
G105	LW2-G105	5.77 T	1300 T	8.62 T	460 T	756 T	10.3 T		27 T	1.25 UT	432 T		1300 T	113 T		73.1 T		1920 T
G109	LW2-G109	39.2	3930	82.7	1510	2090	26.2		44.5	5 U	1960		4140	296		212		5220
G112	LW2-G112	48.6	5040	98.3	1950	2720	26.7		47.7	4.81 U	2460		5460	384		272		6680
G117	LW2-G117	5.78	990	8.8	368	647	10.9		21.2	4.76 U	297		852	71.2		57.4		1590
G128	LW2-G128	3.07	227	3.95	78.4	134	7.37		8.73	1.65 U	90.2		240	21.4		13.5		324
G139	LW2-G139	15.2	3470	19.1	1210	1490	14.5		26.1	2.47 U	1180		3200	206		170		4510
G147	LW2-G147	40.6	9760	2.35 U	3760	4630	23		56.9	2.35 U	3860		10100	658		532		13600
G149	LW2-G149	5.69	380	7.15	132	265	13.6		17.5	1.65 U	122		396	39.9		23.7		563
G178	LW2-G178	3.87	524	9.17	178	271	7.12		9.89	12.3 U	187		428	31.2		28.9		635
G184	LW2-G184	5.92	463	10.8	127	194	5.08 U		10.7	5.08 U	112		289	28		29		499
G197-2	LW2-G197-2	14.4	2460	17.1	798	1110	25.9		43.6	2.5	739		2110	150		125		3180
G198	LW2-G198	35 JT	9850 JT	23.6 JT	3380 JT	4030 JT	32.7 T		60.2 T	2.53 UT	3530 JT		9510 JT	582 JT		476 JT		13100 JT
G208	LW2-G208	8.05	1370	7.52	513	733	13.7		23.1	1.66 U	491		1500	120		77.7		1920
G218	LW2-G218	61	4450	32.4	673	3500	226		294	10.8	773		3480	517		156		5420
G225	LW2-G225	11.6 U	841	11.6 U	202	315	21.1		23.5	11.6 U	206		545	41.3		30.4		875
G230	LW2-G230	6.6	1250	6.34	505	716	9.34		15.4	4.9 U	656		1540	118		74.8		2020
G233	LW2-G233	10.5	1050	10.6	294	529	29.7		34.2	2.5 U	274		851	77.7		53.9		1330
G241	LW2-G241	3.48	370	5.29	128	224	6.71		11.8	2.47 U	142		416	37.9		22.4		522
G247	LW2-G247	25.9	5790	24.2	1700	2530	46.9		82.4	2.46 U	1390		4730	378		269		7070
G257	LW2-G257	6.77	441	6.09	77.4	128	10.3		10.6	2.46 U	62.3		201	16.9		20.5		405
G273	LW2-G273	28.5	5230	42	1550	2570	63.8		168	2.51 U	1370		4370	418		289		6370
G280	LW2-G280	71.9	1040	44.2	190	579	277		98.6	27.5	247		725	74.8		74.6		993
G282	LW2-G282	4520	39800	1770	3450	13300	10800		3270	1010	2430		11500	1110		5140		17700
G293	LW2-G293	17.4	550	11.3	166	351	44.5		31.2	4.49	159		532	51.2		33.1		724
G298	LW2-G298	66.5 U	1050	66.5 U	349	455	66.5 U		66.5 U	66.5 U	398		996	66.5 U		54.1		1470
G307	LW2-G307	35.1	5750	66.3	1960	3370	46.9		172	2.52 U	1320		5150	569		347		7400
G308	LW2-G308	10.7	1930	23.5	714	1070	11.3		36	2.46 U	709		1930	173		119		2570
G310	LW2-G310	34.4	5660	64.5	2010	3640	54.6		184	4.88 U	1240		5040	569		339		7530
G320	LW2-G320	7.97	1570	19.3	568	788	8.97		28.9	2.53 U	475		1410	125		91.3		2050
G327	LW2-G327	42.9	9820	73.3	3790	6080	72.9		185	2.52 U	3120		10300	759		548		14200
G328	LW2-G328	3.61	143	3.3	25.2	55.2	5.33		5.99	1.68 U	22.7		76.7	7.19		4.74		132
G332	LW2-G332	109	11900	184	2240	5860	274		765	4.71 J	485		4940	1080		984		16200
G335	LW2-G335	5.96	1330	11.2	249	341	5.58		11.1	1.67 U	236		565	43.7		43.2		1400
G339	LW2-G339	11.9	1650	15.8	667	899	10.4		18.8	2.45 U	748		1770	137		106		2360
G347	LW2-G347	13.4	1510	13.7	495	723	27.9		2.48 U	2.25 J	532		1350	110		79.8		2010
G351	LW2-G351	29.6	3200	58.2	1320	2040	45.5		62	2.5 U	1380		3190	374		260		4660
G353-1	LW2-G353-1	52.7	4060	107	2020	2770	46.3		58.4	2.43 U	2210		4440	396		341		5890
G355	LW2-G355	353	26100	622	12400	20200	364		295	13.9	14200		26800	2190		2120		34400
G358	LW2-G358	5.5	409	7.63	147	255	11.9		14.1	1.66 U	169		459	40.7		23.5		596
G360	LW2-G360	43.2	3980	39.7	1810	2350	24.2		45.2	2.48 U	1820		3640	324		296		5610
G364	LW2-G364	9.06	3300	13.9	672	2130	57		176	2.46 U	471		2200	306		126		3730
G371	LW2-G371	17.9	1830	19	569	750	11.7		20	2.55 U	629		1330	107		98		2120
G372-1	LW2-G372-1	19.4	1130	2.48 U	366	552	38.6		26	2.68	343		1020	79.1		57.3		1620
G373	LW2-G373	9.09	430	8.93	136	239	16.5		17.7	2.47 U	157		479	36		21.9		619
G380	LW2-G380	64.5	7310	63.3	2540	4580	131		174	5.54	1630		7590	707		454		9870
G381	LW2-G381	22.4	3500	42.7	1250	2040	36.8		106	2.5 U	871		3110	338		223		4620
G382	LW2-G382	377	22500	358	6220	10700	853		764	39.4	5600		17700	1490		989		26300
G386	LW2-G386	9.24	835	12.4	236	390	20.6		24.8	2.51 U	221		651	60.2		38.2		941
G390	LW2-G390	297	37800	368	12700	19700	455		760	17.2	9560		36200	3080		2130		50800
G392	LW2-G392	12 T	1640 T	16.5 T	513 T	809 T	26.7 T		38.2 T	2.53 UT	491 T		1570 T	130 T		81.1 T		2210 T
G399	LW2-G399	8.79	1030	14.3	413	649	13.9		27.5	2.5 U	391		1100	97		64.8		1540
G401	LW2-G401	7.74	801	12.6	327	512	14		21	2.54 U	338		916	78.8		52.4		1220
G402	LW2-G402	596	22700	543	3980	10300	1630		1360	103	3830		12400	1210		693		20400
G410-1	LW2-G410-1	8.3	790	11	275	461	16.7		19.8	2.48 U	317		881	72.6		42.7		1130
G416	LW2-G416	51	4660	53.7	1350	2710	126		214	6.12 U	954		3860	372		246		6030
G417	LW2-G417	8.57	1620	7.2	157	299	15.9		31.7	2.49 U	191		725	65.7		29.4		1220

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	PCB004_010	16605-91-7	PCB005_008	25569-80-6	33284-50-3	PCB007_009	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	PCB016_032	37680-66-3	37680-65-2	PCB018_030
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB004 & 010	PCB005	PCB005 & 008	PCB006	PCB007	PCB007 & 009	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB016 & 032	PCB017	PCB018	PCB018 & 030
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
G424	LW2-G424	7.1	12.3	5.45		38.6		31	7.5		5.01 U				112	5.01 U	5.01 U	34 J		47	42.4	60.4	
G426	LW2-G426	128 JT	105 T	141 JT		175 T		364 T	102 T		42.6 T				416 T	77.6 T	25 UT	414 T		426 T	313 T	543 T	
G434	LW2-G434	46.3 J	17.5	40 J		132		478	93.4		43.3				131	50.6	5.06 U	409		567	348	760	
G438	LW2-G438	8.33 UJ	4.12	3 J		3.33 U		14.3	3.53		3.33 U				23.7	3.33 U	3.33 U	13.6		17.3	13.2	24.8	
G439	LW2-G439	26 JT	10.4 T	22.9 T		35.1 T		122 T	26.4 T		12.2 T				146 T	18.9 T	5.03 UT	148 T		151 T	98.9 T	224 T	
G440	LW2-G440	15.6	16.5	22.9		66.8		242	45.5		17.7				181	25.6	4.89 U	263		409	268	663	
G446	LW2-G446	11.6	4.76	6.77		22.6		125	84.9		28.9				29.7 U	19.5	5 U	56		1240	367	391	
G447	LW2-G447	17.3	17.2	27.2		75.1		278	51.8		19.8				138	31.2	4.99 U	320		474	304	741	
G448	LW2-G448	35.5	19.8	55.6		203		760	131		50.8				271	56.3	5 U	685		1250	851	2100	
G452	LW2-G452	13.2 J	13.6	13.1 J		53.4		126	27.6		11.5 U				391	17.6	16.6 U	141		165	115	256	
G453	LW2-G453	217000	21200	124000		267000		780000	138000		67000				3360	29800	242 U	352000		1100000	744000	1920000	
G457	LW2-G457	67.2	48.8	136		277		1320	239		96.1				243	112	24.7 U	1060		1720	1140	2820	
G461	LW2-G461	17.2	14.7	21.6		110		467	98.7		40.1				192	50.4	4.99 U	495		827	551	1260	
G463	LW2-G463	6.64	19.2	6.7		37.6		29.7	7.52		5.06 U				137	5.74 U	5.06 U	40.3		42.7	42	56.3	
G473	LW2-G473	1740 J	303 J	1110 J		17800 J		50200 J	12000 J		4670 J				952 J	5030 J	23.5 UJ	54100 J		50800	35500	70000	
G477	LW2-G477	256	106	383		1150		2450	536		206				248	386	49.8 U	5330		6370	2610	5350	
G481	LW2-G481	7.86	12	6.79		45.4		37.3	9.7		5 U				147	6.41	5 U	37.1		47.1	43	61	
G485	LW2-G485	30.6	12.9	24.5		50.7		177	36.3		15.9				99.2	15.4	4.95 U	124		226	143	311	
G486	LW2-G486	6.21	6.02	5.72		25.3		45	10.8		4.92 U				148	6.23 U	4.92 U	38.1		44.9	34.9	68.4	
G490	LW2-G490	12.8	9.01	9.24		170		158	25		9.4				185	15.6	3.35 U	106		149	140	167	
G492-1	LW2-G492-1	62.4 J	13.2	61.9 J		541		1610	598		106				180	118	4.97 U	986		1410	998	2230	
G494	LW2-G494	690	37.9	401		4750		5720	2640		409				358	364	9.94 U	2960 J		4060	2770	6110	
G496	LW2-G496	5.04	3.57	4.19		122		25.2	7.33		4.96 U				53.1	4.57	4.96 U	21.8		66.7	49.6	53.1	
G500	LW2-G500	5.32	9.08	5.57		80		53.6	12.8		6.64				112	7.98	4.91 U	57.9		96.9	101	123	
G503	LW2-G503	962	103	326		284		397	127		59.9				88.8	86.3	9.63 U	386		330	174	385	
G506	LW2-G506	46.2	17.4	23.9		98.1		196	53.7		17.4				146	17.1	5.1 U	111 J		231	134	271	
G509	LW2-G509	14.8	7.83	5.34		204		36.7	10.3		6.43				149	5.63	5 U	38.1		56.5	98.8	55.6	
G516	LW2-G516	10.6	3.41	5.77		131		68.9	26.9		8.1				84.5	6.8	4.96 U	61.6		144	423	139	
G518	LW2-G518	9.31	8.4	10.2		25.6		71.4	15.3		5.03 U				75.2	5.03 U	5.03 U	48.6 J		78.1	56.1	84.1	
G519-1	LW2-G519-1	43.4 J	23.6	44.7 J		354		1410	285		135				214	108	4.99 U	855		1290	844	2060	
BT001	LW2-GBT001	7.8	6.78	7.02		57.1		91.2	24.2		9.92 U				58.1	16.3 U	9.78 U	188		269	107	214	
BT002	LW2-GBT002	420	49.5	214		3440		2560	591		180				140	377	10.1 U	3950		5570	1880	4600	
BT003	LW2-GBT003	5.98	5.12 U	5.51		10.2 U		21.7 U	10.2 U		10.2 U				46.5	10.2 U	10.2 U	38.5		37.7	22.6	52.5	
BT004	LW2-GBT004	5.28 U	5.28 U	5.28 U		10.6 U		10.6 U	10.6 U		10.6 U				14.9 U	10.6 U	10.6 U	12.1 U		14.3	8.33	19.5	
BT005	LW2-GBT005	9.97	5.46	11.9		57.4		150	47.4		9.9 U				76.8	9.9 U	9.9 U	192		199	124	268	
BT0061	LW2-GBT006-1	16.7	5.21 U	15.6		51.6		155	34.1		15.3 U				27.6 U	19.6 U	10.4 U	229		192	95.9	235	
BT0062	LW2-GBT006-2	38 T	8.93 T	36.9 T		111 T		324 T	70.1 T		36.6 T				46.1 T	44.7 T	10.2 UT	446 T		390 T	196 T	493 T	
BT007	LW2-GBT007	2.46 U	2.46 U	2.46 U		6.93 U		36.5	8.16 U		4.91 U				20.5	5.24 U	4.91 U	57.3		45.2	25.2	62.3	
BT008	LW2-GBT008	28	23	30.8		170		412	96.3		43.1 U				220	64.7	13.7 U	522		412	289	490	
BT009	LW2-GBT009	668	21.6	113		2390		1400	291		102				103	89.9	10 U	481		396	350	320	
BT010	LW2-GBT010	5.19 U	6.43	5.19 U		19.3 U		52.2	10.4 U		10.4 U				60.3	10.4 U	10.4 U	41.3		77.8	54.5	109	
BT011	LW2-GBT011	34.2	18.9	33.8		24.6 U		86.1	22.8 U		12.6 U				162	16.7 U	9.99 U	85.2		74.7	53.8	103	
BT012	LW2-GBT012	17.6	9.54	21		44.2 U		189	45.6		18.4 U				42.8 U	26.8 U	9.65 U	134		217	160	319	
BT013	LW2-GBT013	6.1	9.98	7.54		22.8		33.4	8.69 U		5.1 U				41.2	6.49 U	5.1 U	34		46.6	31.1	66	
BT014	LW2-GBT014	8.69	11.1	12.7		22.2 U		49.4	11.9 U		10.2 U				114	10.2 U	10.2 U	59.1		72.7	52.7	107	
BT015	LW2-GBT015	13.7	13.6	13.3		44.3 U		93.8	22.8 U		10.3 U				260	13.5 U	10.3 U	103		116	85.6	171	
BT016	LW2-GBT016	671	114	389		65200		1120	879		590				881	647	9.99 U	2440		12600	32200	6860	
BT017	LW2-GBT017	3450	46.8	818		3860		8150	562		504				465	152	4.91 U	3420		5200	2940	11300	
BT018	LW2-GBT018	10.5	12.8	16.5		35.7 U		112	30.6 U		11.9 U				226	37.1	10.2 U	135		161	114	262	
BT019	LW2-GBT019	5.89	15.1	6.94		28.1 U		51.3	11.4 U		10.2 U				143	10.2 U	10.2 U	64.6		61.5	45.1	86.7	
BT020	LW2-GBT020	14.1	11.7	19.7		36.4		102	25.2		5.01 U				153	15.3 U	5.01 U	115		138	86.2	219	
BT021	LW2-GBT021	18	11	22.1		45		273	43		16.8 U				87.1	23.4	5.06 U	179		341	223	570	
BT022	LW2-GBT022	432	69.4	205		188		379	109		72.7				216	67.9	4.99 U	272		236	155	333	
BT023	LW2-GBT023	32.2 T	54.2 T	40.2 T		65.6 T		132 T	40.5 T		11.9 UT				314 T	27.5 UT	9.62 UT	116 T		146 T	102 T	203 T	
BT024	LW2-GBT024	13.2	12.5	17.2		54.7		212	42.3		17.9 U				81.6	26	4.92 U	264		308	184	447	
BT025	LW2-GBT025	21.3	14.7	20.3		30.5		109	26.3		8.52 U				123	14.6 U	5.02 U	108		147	97.9	233	
BT026	LW2-GBT026	225	92.6	177		359		456	131		61.9 U				278	70.9	24.8 U	319		811	594	746	
BT0271	LW2-GBT027-1	9.36	12.2	5.07		142		36.2	8.41 U		5.04 U				94.3	5.04 U	5.04 U	33.4		56.8	63.5	64.6	
BT0272	LW2-GBT027-2	6.64 T	12.3 T	5.51 T		108 T		34.1 T	8.88 UT		5.06 UT				113 T	5.05 UT	5.05 UT	38.3 T		60.9 T	86.9 T	65.6 T	
BT028	LW2-GBT028	1900	199	1080		12700		41200	7300		3450				463	1650	25.1 U	15100		42600	28200	75700	
BT029	LW2-GBT029	14.5 T	17.8 T	18.4 T		22 T		55.3 T	12.4 T		5.68 UT				99.4 T	10.3 T	4.96 UT	76.9 T		60.5 T	37 T	68.9 T	
BT030	LW2-GBT030	19.9	10.3	21.8		45.9		114	20.7		7.98 U				50.7	12.4 U	5.12 U	113		166	82.7	193	
BT031	LW2-GBT031	3	8.79	3.93		4.95 U		19.6	4.95 U		4.95 U				80	4.95 U	4.95 U	22.4		27.3	26.7	33.7	
BT032	LW2-GBT032	401	29.1	284		3690		4290	2070		286				264	398	4.89 U	3290		2950	2140	4370	
BT033	LW2-GBT033	12.5	12.8	11.9		190		102	20.5		9.82 U				233	16.9 U	9.82 U	116		117	122	120	
U2C-2	LW2-U2C-2	7.99	6.77	13.9		14.6		60.1	15.7		7.92				94.6	15.3	5.02 U	104		91	62.4	151	
U4Q-1	LW2-U4Q-1	1.91 J	11.9	2.55 J		4.75		14.8	3.35		2.49 U				140	2.49 U	2.49 U	16.9		14.7	9.97	23.7	
02R001	LWG0102R001SDS015C00	25.4	8.54	25.5	704		3.05		92.4	12		449	18.3	20.3	84.4	70.7 J	0.28 U	1240	678		1720		2300 J
03R003	LWG0103R003SDS015C10	1.95 T	1.25 T	2.22 T	5.86 T		0.209 T		3.07 T	0.696 UT		12.9 T	0.885 T	0.351 T	12.7 T	1.86 JT	0.174 UT	17.2 T	11.3 T		14.5 T		25.5 JT
03R004	LWG0103R004SDS015C11	872	94.3	507	9070		520		5100	1040		22500	1830	474	152	1230 J	0.409 U	10200	17100		17500		35500 J
03R005	LWG0103R005SDS015C00	155	38.6	92	784		33		410	75.6		1780	123	39.7	235	224 J	3.95 U	1480	1760		2160		4060 J
06R002	LWG0106R002SDS015C10	4.21	7.24	6.46	308		0.402		7.14	1.75		21.4	2.05	38.4	59.1	12.1 J	0.258 J	68.6	26.5		243		87.7 J
06R002	LWG0106R002SDS015C20	3.53	5.49	5.26	167		0.213		3.97	0.963		12.8	1.17	14.2	45.7	9.64 J	0.161 U	45.2	13.5		118		38.8 J
06R002	LWG0106R002SDS015C31	3.35 T	6.21 T	6.93 T	167 T		0.238 T		4.51 T	1.26 T		13.4 T	1.38 T	19.6 T	38.9 T	10.5 JT	0.284 T	59.6 T	15.1 T		140 T		49.2 JT
06R004	LWG0106R004SDS015C00	9.65	4.89	5.78	22.7		1.29		10.6	2.58		42.6	3.77	1.31	11.9	4.55 J	0.315 U	54.1	54.7		61		139 J
07R006	LWG0107R006SDS015C00	128	39.5	110	345		13.8 J		74.7	60.4		762	27.9	12.5	128	92.4 J	5.44	1540	1310		1390		2820 J
08R003	LWG0108R003SDS015C00	11.6	9.73	10.5	21.8		1.13		14.7	2.5		49.6	4	1.23	19	6.74 J	0.198	35.2	40		46.8		94.3 J
09R002	LWG0109R002SDS015C00	34.9 T	16.1 T	47.6 T	397 T		8.46 T		242 T	19.8 T		658 T	35.7 T	12 T	935 T	86.8 JT	0.393 T	746 T	415 T		649 T		1020 JT
1901	WLCOFJ0219019010											410 UP										550 JP	
1902	WLCOFJ0219029020											10100										17500 P	
1903	WLCOFJ0219039030											370 UP										1830	
19A01	WLCOFJ0219A0119A010											400 U										1400 P	
19A02	WLCOFJ0219A0219A020											430 U										420 U	
19A03	WLCOFJ0219A0319A030											550 JP										990 P	
2201	WLCOFJ0220122010											660 J										380 U	
2202	WLCOFJ0220222020											410 U										400 U	
22031	WLCOFJ0220312031											360 U										350 U	
2203	WLCOFJ0220322030											340 U										340 U	
2204	WLCOFJ0220422040											550 U										540 U	
2205	WLCOFJ0220522050											340 U										330 U	

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2)

	CAS No	38444 -73-4	PCB020 _021_033	PCB020 _028	PCB021 _033	38444 -85-8	55720 -44-0	55702 -45-9	PCB024 _027	55712 -37-3	38444 -81-4	PCB026 _029	38444 -76-7	7012 -37-5	15862 -07-4	35693 -92-6	16606 -02-3	38444 -77-8	37680 -68-5	37680 -69-6	38444 -87-0	38444 -90-5	53555 -66-1	38444 -88-1
	Chemical Name	PCB019	PCB020 & 021 & 033	PCB020 & 028	PCB021 & 033	PCB022	PCB023	PCB024	PCB024 & 027	PCB025	PCB026	PCB026 & 029	PCB027	PCB028	PCB029	PCB030	PCB031	PCB032	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																							
G424	LW2-G424	55	53.9			36.2	2.51 U		9.78	13.2	21.4			129	2.51 U	2.51 U	101		2.51 U	3.62	2.51 U	43.6	3.11	2.51 U
G426	LW2-G426	216 T	522 T			321 JT	12.5 UT		82.5 T	110 T	168 T			1200 T	4.72 JT	12.5 UT	810 T		12.1 JT	34.6 T	5.05 JT	449 T	34.2 T	6.7 JT
G434	LW2-G434	87.5	761			460	2.53 U		59.5	154	244			1430	6.71	2.53 U	1230		11.7	34.3	2.53 U	535	27	5.7
G438	LW2-G438	9.78	34.8			16.6	1.67 U		2.83	7.55	10.5			62.9	1.67 U	1.67 U	52.5		1.67 U	2.01	1.67 U	19.8	1.67 U	1.67 U
G439	LW2-G439	34.6 T	202 T			136 T	2.51 UT		19.8 T	38.5 T	64 T			463 T	2.51 UT	2.51 UT	338 T		3.64 T	8.36 T	2.51 UT	145 T	5.06 T	2.51 UT
G440	LW2-G440	66.8	568			367	2.44 U		49.4	92	161			1140	6.18	2.44 U	989		7.87	16.5	2.44 U	382	6.82	2.58
G446	LW2-G446	36.8	293			152	2.5 U		21.4	1890	1760			1700	2.5 U	2.5 U	818		22.8	9.55	10.9	69	126	30.8
G447	LW2-G447	71.6	643			429	2.5 U		57.2	113	182			1350	6.58	2.5 U	1070		7.95	17.1	2.5 U	448	8.93	2.93
G448	LW2-G448	175	1720			1090	2.8		144	270	471			3200	18.2	2.5 U	2910		19.7	35.6	2.5 U	949	19.4	4.6
G452	LW2-G452	60.8	206			140	8.28 U		23.1	40.3	65.7			445	2.32 J	8.28 U	334		2.97 J	8.95	8.28 U	144	4.85 J	8.28 U
G453	LW2-G453	179000	933000			540000	1460		123000	119000	257000			1750000	8800	121 U	1550000		8310	14300	286	435000	8790	1500
G457	LW2-G457	229	2450			1530	4.91 J		198	349	639			4880	22.6	12.4 U	3600		25.5	58.2	12.4 U	1450	26.2	8.48 J
G461	LW2-G461	107	1400			891	2.52		103	205	361			2310	17	2.49 U	1990		12.3	35	2.49 U	796	10.7	3.89
G463	LW2-G463	65.7	44.9			33.7	2.53 U		11.8	12.9	20.3			116	2.53 U	2.53 U	88.2		2.53 U	3.53	2.53 U	40.7	2.97	2.53 U
G473	LW2-G473	12500	44000			33400	107		7590	8480	13000			97000	700	11.7 U	70300		433	958	11.7 U	25000	579	61.9
G477	LW2-G477	1420	2850			3350	24.9 U		863	751	1160			13100	38.8	24.9 U	5400		50.1	202	25.5	4280	195	27.4
G481	LW2-G481	65.3	50.4			35.8	2.5 U		11.8	14.5	21.8			123	2.5 U	2.5 U	92.8		2.5 U	3.07	2.5 U	37.1	2.77	2.5 U
G485	LW2-G485	45.1	252			159	2.48 U		28.4	48.3	71.8			541	2.48 U	2.48 U	343		3.89	7.34	2.48 U	137	4.05	2.48 U
G486	LW2-G486	28.5	51.2			36.3	2.46 U		7.54	11.5	18.9			118	2.46 U	2.46 U	95.3		2.46 U	3.1	2.46 U	36.6	2.46 U	2.46 U
G490	LW2-G490	200	143			90.9	1.67 U		35.3	33.1	48.1			310	1.93	1.67 U	224		1.83	5.86	1.67 U	90	4.54	1.67 U
G492-1	LW2-G492-1	335	1490			927	3.7		182	345	539			2670	16.5	2.48 U	2330		17.1	31.5	2.48 U	715	28.6	4.8
G494	LW2-G494	2240	2800			1840	4.97 U		669	880	1400			4970	26.5	4.97 U	5050		35.1	61.7	4.97 U	1210	191	9.62
G496	LW2-G496	112	41.4			26.6	2.48 U		15.2	22.1	37.7			84.2	2.48 U	2.48 U	58.6		2.48 U	2.95	2.48 U	21.3	10	2.48 U
G500	LW2-G500	180	99			70.6	2.45 U		28.5	20.7	34.9			195	2.45 U	2.45 U	161		2.45 U	4.67	2.45 U	57.7	4.04	2.45 U
G503	LW2-G503	84.1	225			146	4.82 U		33.3	41.5	75.3			475	4.82 U	4.82 U	446		4.82 U	5.2	4.82 U	103	22.4	4.82 U
G506	LW2-G506	58.4	205			129	2.55 U		30.5	74.9	127			459	2.55 U	2.55 U	348		3.31	8.25	2.55 U	115	12	2.55 U
G509	LW2-G509	243	42			32.3	2.5 U		28.9	19.5	35.7			110	2.5 U	2.5 U	80.1		2.5 U	3.38	2.5 U	33.8	4.2	2.5 U
G516	LW2-G516	303	76.2			53.2	2.48 U		61.1	32.4	40.9			185	2.48 U	2.48 U	134		2.48 U	3.67	2.48 U	46.2	12.5	2.48 U
G518	LW2-G518	16.6	116			67	2.52 U		9.02	20.2	29.5			226	2.52 U	2.52 U	151		2.52 U	4.8	2.52 U	66.4	2.52 U	2.52 U
G519-1	LW2-G519-1	218	1960			1150	3.65		159	293	498			2850	26.3	2.5 U	2850		12.6	43.2	2.5 U	822	13	2.5 U
BT001	LW2-GBT001	51.4	175			257	4.89 U		35.9	40.5	86.1			1080	4.89 U	4.89 U	591		7.51	9.51	4.89 U	406	12.3	4.89 U
BT002	LW2-GBT002	1020	2930			4350	5.06 U		694	792	1930			18100	21.1	5.06 U	11100		51.4	197	5.06 U	6710	209	31.9
BT003	LW2-GBT003	13.5	37.2			26.6	5.12 U		6.09	6.81	5.12 U			94	5.12 U	5.12 U	73.4		5.12 U	5.12 U	5.12 U	40.1	5.12 U	5.12 U
BT004	LW2-GBT004	6.57	17			10.4	5.28 U		5.28 U	5.28 U	5.45			35	5.28 U	5.28 U	26.5		5.28 U	5.28 U	5.28 U	13.5	5.28 U	5.28 U
BT005	LW2-GBT005	59.7	257			160	4.95 U		32.8	142	4.95 U			540	4.95 U	4.95 U	439		4.95 U	10.4	4.95 U	180	8.33	4.95 U
BT061	LW2-GBT006-1	44.1	238			158	5.21 U		31.9	39.6	65.6			459	5.21 U	5.21 U	319		5.21 U	9.99	5.21 U	192	5.21 U	5.21 U
BT062	LW2-GBT006-2	84.7 T	439 T			290 T	5.09 UT		61.6 T	77.2 T	123 T			879 T	6.02 T	5.09 UT	686 T		5.09 UT	18.6 T	5.09 UT	370 T	8.38 T	5.09 UT
BT007	LW2-GBT007	13	63.2			41	2.46 U		7.64	10.3	17.9			131	2.46 U	2.46 U	110		2.46 U	3.02	2.46 U	55.1	2.46 U	2.46 U
BT008	LW2-GBT008	229	641			405	6.87 U		109	127	194			1220	8.82	6.87 U	979		6.87 U	28.1	6.87 U	529	15	6.87 U
BT009	LW2-GBT009	322	231			142	5.02 U		97.4	81.7	90.6			494	5.02 U	5.02 U	467		5.02 U	8.85	5.02 U	138	5.02 U	5.02 U
BT010	LW2-GBT010	38.3	99.6			61	5.19 U		13.3	19.5	31.2			209	5.19 U	5.19 U	159		5.19 U	5.19 U	5.19 U	60.2	5.19 U	5.19 U
BT011	LW2-GBT011	46.3	100			68.9	5 U		15.5	38.8	5 U			218	5 U	5 U	190		5 U	6.2	5 U	78.9	5 U	5 U
BT012	LW2-GBT012	33.9	358			194	4.83 U		25.6	62.9	97.3			724	4.83 U	4.83 U	535		8.34	9.94	4.83 U	179	4.83 U	5.01
BT013	LW2-GBT013	43.7	58.3			37.5	2.55 U		10.7	11	17.3			119	2.55 U	2.55 U	106		2.55 U	3.2	2.55 U	45.1	6.15	2.55 U
BT014	LW2-GBT014	34.2	102			68.3	5.08 U		11.5	22.8	34.7			248	5.08 U	5.08 U	184		5.08 U	5.64	5.08 U	77.2	5.08 U	5.08 U
BT015	LW2-GBT015	65.9	148			106	5.13 U		20.6	34.5	55			364	5.13 U	5.13 U	291		5.13 U	9.23	5.13 U	130	5.97	5.13 U
BT016	LW2-GBT016	143000	3300			3550	14.8		22400	2640	3600			4890	10.7	347	2170		546	24.7	10.2	475	4570	16.3
BT017	LW2-GBT017	619	5040			2850	8.1		365	524	1120			7730	40.3	15.2	11100		46.4	67	6.61	1660	104	20.5
BT018	LW2-GBT018	45.1	223			158	5.08 U		20.7	82.3	101			590	5.08 U	5.08 U	444		5.34	17.4	5.08 U	171	7.23	5.08 U
BT019	LW2-GBT019	50.2	81.6			55.7	5.11 U		13.7	16.9	27.4			203	5.11 U	5.11 U	137		5.11 U	5.11 U	5.11 U	71.8	5.11 U	5.11 U
BT020	LW2-GBT020	40	177			116	2.5 U		19.1	42.9	69.3			377	2.5 U	2.5 U	325		2.85	7.4	2.5 U	117	3.98	2.5 U
BT021	LW2-GBT021	51.1	467			269	2.53 U		37.4	68.8	134			918	4.65	2.53 U	695		8.18	12.9	2.53 U	248	7.68	2.91 U
BT022	LW2-GBT022	81.2	319			154	2.49 U		35.1	60.6	91.7			670	2.66	2.49 U	518		8.08	17.2	2.49 U	218	21.5	8.9
BT023	LW2-GBT023	71.6 T	189 T			103 T	4.81 UT		22.9 T	35.8 T	55.8 T			368 T	4.81 UT	4.81 UT	304 T		4.91 T	11.2 T	4.81 UT	120 T	9.51 T	4.81 UT
BT024	LW2-GBT024	53.5	392			237	2.46 U		38.8	64.4	110			790	4.54	2.46 U	623		7.18	13.1	2.46 U	277	7.29	3.44
BT025	LW2-GBT025	26.7	215			128	2.51 U		19.5	37.5	61.8			451	2.51 U	2.51 U	358		4.27	7.08	2.51 U	137	4.41	2.51 U
BT026	LW2-GBT026	503	473			368	12.4 U		147	99.2	179			795	7.57 J	12.4 U	638		10.8 J	20.1	12.4 U	247	280	4.79 J
BT0271	LW2-GBT027-1	121	58.8			38.3	2.52 U		19.5	19	35.2			133	2.52 U	2.52 U	102		2.52 U	3.98	2.52 U	44.8	5.78	2.52 U
BT0272	LW2-GBT027-2	193 T	54.2 T			38.7 T	2.52 UT		22.6 T	16 T	29.7 T			122 T	2.52 UT	2.52 UT	101 T		2.52 UT	3.85 T	2.52 UT	41.1 T	6.6 T	2.52 UT
BT028	LW2-GBT028	6270	53100			29000	92.9		4690	6250	12400			76500	595	38.5	71100		520	852	7.26 J	20000	372	88.6
BT029	LW2-GBT029	44.4 T	66.5 T			43 T	2.48 UT		13.7 T	13.9 T	22.2 T			160 T	2.48 UT	2.48 UT	108 T		2.48 UT	5.11 T	2.48 UT	68.4 T	7.26 T	2.48 UT
BT030	LW2-GBT030	40	127			90	2.56 U		24.5	26.2	44.8			329	2.56 U	2.56 U	214		2.56 U	5.59	2.56 U	110	6.66	2.56 U
BT031	LW2-GBT031	43.6	30.2			20.8	2.48 U		7.95	8.2	13.1			70	2.48 U	2.48 U	49.1		2.48 U	2.54	2.48 U	24.1	2.64	2.48 U
BT032	LW2-GBT032	2170	2000			1350	4.32		509	709	1080			3650	21.8	3.88	3760		27.1	49.7	2.45 U	1070	131	7.17
BT033	LW2-GBT033	310	106			71.8	4.91 U		35.5	26.4	38.7			228	4.91 U	4.91 U	186		4.91 U	7	4.91 U	77.7	4.94	4.91 U
U2C-2	LW2-U2C-2	9.57	125			88.5	2.51 U		10.6	67.6	106			378	2.51 U	2.51 U	253		2.98	10.3	2.51 U	117	3.92	2.51 U
U4Q-1	LW2-U4Q-1	2.5	21.8			16.2	1.24 U		2.2	4.96	7.98			53.6	1.24 U	1.24 U	42.5		1.24 U	2.2	1.24 U	18.8	1.24 U	1.24 U
02R001	LWG0102R001SDS015C00	716		13700 J	818 J	2470	2.14	26.9		426		1020 J	571				7720	2680	42.4	50.2	0.961 U	3870	16.6	103
03R003	LWG0103R003SDS015C10	7.68 T		63.2 JT	25.5 JT	17.7 T	0.144 UT	0.458 T		4.77 T		9.55 JT	3.41 T				49.2 T	11.6 T	0.283 T	1.08 T	0.196 UT	20.9 T	0.218 UT	0.404 JT
03R004	LWG0103R004SDS015C11	4660		38200 J	24900 J	16500	74.4	599		3490		8320 J	2880				35400 J	10500	183	417	0.765 U	9330	13.3 J	163
03R005	LWG0103R005SDS015C00	660		8790 J	3870 J	2620	6.73	80.9		1000		1760 J	418				7370	1840	27.6	164	4.64 U	2300	8.22 J	82.6
06R002	LWG0106R002SDS015C10	1230		177 J	71 J	35.4	0.271	0.163 U		41.5		34.1 J	161				113	117	2.44	2.16	0.418	53.9	1.05 J	1.3
06R002	LWG0106R002SDS015C20	914		118 J	44.7 J	24.5	0.161	1.1		26.1		21.7 J	91.2				74.6	61	1.47	2.47	0.568	38.2	0.201 U	1.12
06R002	LWG0106R002SDS015C31	735 T		124 JT	43.7 JT	24.6 T	0.17 T	0.144 UT		27.3 T		23.6 JT	92.2 T				81 T	69.2 T	1.6 T	2.02 T	0.412 T	33.6 T	0.702 T	0.9 T
06R004	LWG0106R004SDS015C00	18.8		559 J	105 J	118	0.436 U	1.66		19		50.8 J	11.9				490	58.9	1.19	3.48	0.42 U	94.9	0.719	2.92
07R006	LWG0107R006SDS015C00	447		9530 J	1390 J	2150	18.3	27.4		317		745 J	298				6030	2050	31.7	51.5	3.68 U	1710	17.7	123
08R003	LWG0108R003SDS015C00	19.6		190 J	95.2 J	48	0.236	1.02		15		29.3 J	8.78				155	39.8	1.87	5.35	0.443	67.4	0.531	2.97
09R002	LWG0109R002SDS015C00	309 T		1970 JT	947 JT	672 T	2.32 T	15 T		201 T		392 JT	121 T				1760 T	480 T	8.5 T	39.9 T	6.28 T	638 T	0.581 JT	10.3 JT
1901	WLCOFJ02190119010													4350										
1902	WLCOFJ02190219020													27200										
1903	WLCOFJ02190319030													2220										
19A01	WLCOFJ0219A0119A010													3520										
19A02	WLCOFJ0219A0219A020													1270 P										
19A03	WLCOFJ0219A0319A030													2950										
2201	WLCOFJ02220122010													240 U										
2202	WLCOFJ02220222020													280 JP										
22031	WLCOFJ022203122031													220 U										
2203	WLCOFJ02220322030													230 JP										
2204	WLCOFJ02220422040													340 U										
2205	WLCOFJ02220522050													270 JP										

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	38444-93-8	PCB040_041_071	PCB041_064_071_PCB041 & 064 & 071 & 072	36559-22-5	PCB042_059	70362-46-8	PCB043_049	41464-39-5	PCB044_047_065	70362-45-7	PCB045_051	41464-47-5	2437-70-8	70362-47-9	PCB048_075	PCB049_069	62796-65-0	PCB050_053	68194-04-7	35693-99-3	PCB052_069
	Chemical Name	PCB040	PCB040 & 041 & 071	PCB041 & 064 & 071 & 072	PCB042	PCB042 & 059	PCB043	PCB043 & 049	PCB044	PCB044 & 047 & 065	PCB045	PCB045 & 051	PCB046	PCB047	PCB048	PCB048 & 075	PCB049 & 069	PCB050	PCB050 & 053	PCB051	PCB052	PCB052 & 069
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
G424	LW2-G424	25.1		158		52.4		238	189		19.5		11.3	150		31.1		3.97		47		335
G426	LW2-G426	289 T		2010 T		600 T		2970 T	2990 T		220 T		126 T	1650 T		317 T		22 T		450 T		6060 T
G434	LW2-G434	188		1150		407		1760	1370		168		97.9	1690		171		5.17		408		1940
G438	LW2-G438	12.3		80.6		28.8		136	101		8.18		4.44	71.7		14.8		1.67 U		11.2		181
G439	LW2-G439	78.3 T		421 T		158 T		492 T	528 T		62.4 T		28.8 T	233 T		95.4 T		2.51 UT		43.5 T		717 T
G440	LW2-G440	191		981		374		932	1080		169		73	391		253		4.79		76.9		1170
G446	LW2-G446	144		5220		1430		10900	2910		71.8		711	8280		448		6.66		1960		8090
G447	LW2-G447	260		1300		499		1180	1410		219		94.9	469		310		4.81		86.1		1570
G448	LW2-G448	565		2760		1060		2380	2990		494		208	937		720		10.6		177		3000
G452	LW2-G452	79.7		434		157		440	475		67.2		29.5	216		99.1		3.76 J		49.5		600
G453	LW2-G453	311000		1410000		548000		1160000	1620000		324000		138000	411000		390000		5770		90900		1490000
G457	LW2-G457	788		3860		1480		3340	4230		731		311	1210		1050		15.2		245		4230
G461	LW2-G461	422		2140		822		1830	2250		367		157	736		546		8.29		143		2290
G463	LW2-G463	28.4		188		57.8		285	279		18.9		11.8	165		31.2		4.23		47		576
G473	LW2-G473	19700		97700		37100		83300	106000		18300		7940	40000		24100		444		9200		114000
G477	LW2-G477	4730		25600		8250		30300	42500		3510		1630	11100		3440		71.9		1940		72000
G481	LW2-G481	24.6		163		51.7		227	168		16.3		10.3	160		30.1		3.97		47.4		293
G485	LW2-G485	88.4		436		177		556	591		83.5		37.4	236		96.9		2.48 U		45.9		805
G486	LW2-G486	21.8		129		44		160	154		16.2		7.89	83.3		26.6		2.46 U		20.9		228
G490	LW2-G490	45.9		287		96.7		352	294		39.1		21.6	262		66.2		8.1		89.6		476
G492-1	LW2-G492-1	308		1640		646		2630	1690		333		172	1750		406		12.3		684		2650
G494	LW2-G494	567		3720		1260		9770	3540		711		520	10500		688		51.5		4880		7390
G496	LW2-G496	20.8		235		58.7		733	170		17		27	605		41.1		4.48		314		686
G500	LW2-G500	16.9		155		67.6		315	219		33.4		20.1	253		50.8		10.6		91.5		435
G503	LW2-G503	288		2130		459		3400	5240		154		89.5	1500		289		4.82 U		494		11300
G506	LW2-G506	171		933		321		1380	1570		127		66.9	619		169		5.76		252		2610
G509	LW2-G509	18.9		138		44		314	166		15		13.2	261		33.6		13.1		99.3		428
G516	LW2-G516	45.3		306		90		510	291		50.3		35.8	750		59.2		157		298		664
G518	LW2-G518	45.6		257		92.4		330	350		34.8		16.8	132		49.6		2.52 U		20.4		552
G519-1	LW2-G519-1	387		1700		762		1620	2190		395		164	643		497		8.67		135		2150
BT001	LW2-GBT001	387		2390		781		1940	2480		327		136	807		317		6.51		103		2480
BT002	LW2-GBT002	6970		44700		14600		34200	46500		6510		2590	13100		6760		85.8		1810		45700
BT003	LW2-GBT003	27.3		144		48.9		127	148		23.3		11.5	68.2		28.7		5.12 U		16.1		201
BT004	LW2-GBT004	7.33		37		13.6		33.6	40.1		5.28 U		5.28 U	23		7.76		5.28 U		5.46		50.6
BT005	LW2-GBT005	109		689		251		937	783		82.4		48.8	489		143		4.95 U		95.8		1240
BT0061	LW2-GBT006-1	134		742		248		708	987		106		50	243		126		5.21 U		48.2		1630
BT0062	LW2-GBT006-2	261 T		1390 T		475 T		1300 T	1900 T		208 T		98.9 T	448 T		245 T		5.09 UT		88.5 T		3000 T
BT007	LW2-GBT007	25.2		136		50.3		111	126		23.6		9.88	60.9		28.4		2.46 U		14.5		150
BT008	LW2-GBT008	198		1270		422		1120	1460		153		81.6	719		260		11.7		163		2010
BT009	LW2-GBT009	57.2		327		114		325	348		50.4		27.2	221		67.5		5.02 U		55.6		487
BT010	LW2-GBT010	45.8		255		93.1		274	261		38.7		18.8	161		48.9		5.19 U		38		354
BT011	LW2-GBT011	38.3		239		84.6		283	257		31.4		15.8	162		48.1		5 U		38.8		384
BT012	LW2-GBT012	133		691		261		776	835		98.2		45	284		162		4.83 U		45.8		1060
BT013	LW2-GBT013	55.9		380		87.4		490	805		30.6		17.1	334		48.2		3.68		63.9		1510
BT014	LW2-GBT014	52		272		94.8		282	311		36.3		17.1	142		54		5.08 U		31.7		387
BT015	LW2-GBT015	80.2		439		153		463	476		56.1		27.3	254		87.7		5.24		60.5		621
BT016	LW2-GBT016	1090		27800		12300		97700	15000		1390		6290	262000		8190		7340		114000		58300
BT017	LW2-GBT017	2640		14600		4950		11600	16600		2960		1280	4230		3570		48.5		807		15800
BT018	LW2-GBT018	160		872		300		778	936		117		51.6	361		165		5.55		59.6		1040
BT019	LW2-GBT019	40.7		231		82.8		253	239		28.7		16.6	177		46		5.11 U		45.8		337
BT020	LW2-GBT020	87.3		429		156		419	477		79		39.8	189		84.1		3.19		42.5		594
BT021	LW2-GBT021	148		757		262		669	828		128		54.6	262		176		3.37		50.8		909
BT022	LW2-GBT022	278		1900		514		2940	3640		139		82.1	1250		261		9.96		263		7100
BT023	LW2-GBT023	115 T		796 T		231 T		1380 T	1490 T		61.5 T		36.3 T	548 T		121 T		6.51 T		120 T		2910 T
BT024	LW2-GBT024	158		928		309		1100	1210		116		54.4	422		173		3.33		59.2		1840
BT025	LW2-GBT025	76.2		403		151		455	454		61.6		28.7	215		90.4		2.51 U		42.6		595
BT026	LW2-GBT026	235		2650		499		6560	2850		171		168	10100		371		63.7		3590		7040
BT0271	LW2-GBT027-1	27.4		214		66.4		567	204		20.3		15.7	330		33.3		7.05		109		710
BT0272	LW2-GBT027-2	25.5 T		192 T		55.2 T		451 T	184 T		20.5 T		15.9 T	337 T		34.5 T		8.31 T		140 T		575 T
BT028	LW2-GBT028	13300		61000		23700		52100	71400		13500		5690	18500		16900		242		3770		69200
BT029	LW2-GBT029	38.8 T		252 T		76.5 T		339 T	253 T		30.4 T		19.2 T	325 T		38 T		4.63 T		119 T		519 T
BT030	LW2-GBT030	131		665		227		872	1200		110		50.4	275		96.3		2.56 U		45		2190
BT031	LW2-GBT031	12.4		87.1		28		135	90.5		8.92		6.39	108		14.2		3.22		34.4		178
BT032	LW2-GBT032	477		3010		1000		6720	2510		472		340	7650		451		61.1		3200		5190
BT033	LW2-GBT033	38.2		246		79.7		349	242		30.9		20.4	314		49.8		10.6		132		437
U2C-2	LW2-U2C-2	83.1		637		215		695	725		53.8		23.3	235		114		2.51 U		17.1		1040
U4Q-1	LW2-U4Q-1	7.36		52.9		21.7		66.2	76		7.94		3.32	27.1		12.4		1.24 U		2.63		102
02R001	LWG0102R001SDS015C00		17800 J		8490		1310			34800 J		5440 J	1770		4650		20300 J		4820 J		35600 J	
03R003	LWG0103R003SDS015C10		47.4 JT		22.6 T		3.51 T			95.1 JT		18 JT	5.56 T		14.7 T		60.3 JT		16.5 JT		134 T	
03R004	LWG0103R004SDS015C11		19100 J		8970		1720			30800 J		7970 J	2850		8570		19000 J		5430 J		31700	
03R005	LWG0103R005SDS015C00		11100 J		6350		975			45900 J		3010 J	1280		2690		28700 J		4520 J		112000 J	
06R002	LWG0106R002SDS015C10		253 J		75.5		23.9			2320 J		913 J	39.6		45.8		669 J		583 J		579	
06R002	LWG0106R002SDS015C20		170 J		47.5		9.46			1470 J		478 J	21.8		25.3		423 J		305 J		361	
06R002	LWG0106R002SDS015C31		167 JT		49.2 T		13.8 T			1400 JT		505 JT	24.6 T		28.4 T		442 JT		347 JT		413 T	
06R004	LWG0106R004SDS015C00		284 J		142		19.8			910 J		75 J	25.6		96.7		529 J		81.7 J		2070	
07R006	LWG0107R006SDS015C00		14300 J		6760		872			25900 J		4380 J	1510		3790		15000 J		3310 J		26000	
08R003	LWG0108R003SDS015C00		242 J		149		19.6			928 J		84.6 J	24.2		66.8		710 J		108 J		1850	
09R002	LWG0109R002SDS015C00		1160 JT		480 T		70 T			3210 JT		884 JT	134 T		337 T		1890 JT		730 JT		3010 T	
1901	WLCOFJ0219019010								2410												3480	
1902	WLCOFJ0219019020								14900												20400	
1903	WLCOFJ0219019030								1900												2730 P	
19A01	WLCOFJ0219A0119A010								3150												10000 P	
19A02	WLCOFJ0219A0219A020								750 P												2290 P	
19A03	WLCOFJ0219A0319A030								2750												350 U	
2201	WLCOFJ0222012201 0								220 U												340 U	
2202	WLCOFJ0222022020								750												990 P	
22031	WLCOFJ0222031220 31								390 P												860 P	
2203	WLCOFJ0222032203 0								310 JP												300 U	
2204	WLCOFJ0222042204 0								310 U												480 U	
2205	WLCOFJ0222052205 0								590												300 U	

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	41464-41-9	15968-05-5	74338-24-2	41464-43-1	PCB056_060	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070	PCB061_070_074_PCB061 & 070 & 074 & 076	54230-22-7	74472-34-7	52663-58-8	33284-54-7	32598-10-0	PCB066_076	73575-53-8	73575-52-7	41464-42-0	74338-23-1	32690-93-0	32598-13-3
	Chemical Name	PCB053	PCB054	PCB055	PCB056	PCB056 & 060	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070		PCB062	PCB063	PCB064	PCB065	PCB066	PCB066 & 076	PCB067	PCB068	PCB072	PCB073	PCB074	PCB077
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																							
G424	LW2-G424	72.5	12.2	3.89		90.3	2.51 U	2.51 U			228		2.51 U	7.52		2.51 U		183	5.39	5.08		4.42	78.4	22.6
G426	LW2-G426	690 T	59.1 T	67.2 T		1030 T	18.2 T	19.2 T			3890 T		12.5 UT	95.4 T		12.5 UT		2440 T	68.7 T	64.1 T		12.5 UT	905 T	303 T
G434	LW2-G434	394	21.5	34.9		745	11.1	8.59			1810		2.53 U	58		2.53 U		1400	47.8	30.8		2.53 U	594	317
G438	LW2-G438	19.9	2.24	2.62		54	1.67 U	1.67 U			165		1.67 U	5.23		1.67 U		113	3.24	3.86		1.67 U	46.9	9.85
G439	LW2-G439	82.2 T	4.77 T	9.15 T		261 T	3.07 T	2.79 T			604 T		2.51 UT	18.4 T		2.51 UT		460 T	14.4 T	6.92 T		12.5 JT	223 T	47.8 T
G440	LW2-G440	173	8.28	16.6		716	6.56	4.03			1290		2.44 U	44.8		2.44 U		1090	40.8	10.2		9.43	563	114
G446	LW2-G446	2400	70.6	57		309	133	51.9			2240		2.5 U	239		2.5 U		2140	150	481		186	414	35.2
G447	LW2-G447	221	5.67	22.6		827	7.21	47.3			1460		2.5 U	47.9		2.5 U		1230	44.3	14.8		24.4	635	127
G448	LW2-G448	473	13.2	43.9		1770	14.9	6.63			2960		2.5 U	104		2.5 U		2490	103	19.1		51	1340	233
G452	LW2-G452	96.9	10	8.72		271	2.97 J	1.75 J			512		8.28 U	16.7		8.28 U		426	15.7	5.97 J		8.28 U	207	48.4
G453	LW2-G453	283000	4500	19600		902000	7080	2860			1530000		677	50900		1810		1220000	51100	5120		33300	672000	99900
G457	LW2-G457	686	14.2	61.4		2580	21.4	9.28 J			4250		12.4 U	145		12.4 U		3660	145	28.9		98.7	1910	331
G461	LW2-G461	354	10.6	41.2		1450	12.2	5.69			2250		2.49 U	81.1		2.49 U		1990	85.8	15.9		13.4	1020	218
G463	LW2-G463	83.2	13.9	5.23		103	2.53 U	2.53 U			310		2.53 U	7.08		2.53 U		178	5.26	4.88		8.61	91	24.5
G473	LW2-G473	17800	693	1110		35200	273	165			53300		96.4	1940		156		46700	1960	932		1620	23800	4490
G477	LW2-G477	4690	153	450		7650	67.3	98.6			23600		24.9 U	430		24.9 U		15300	257	509		1370	6200	1210
G481	LW2-G481	72	13.3	2.99		77.6	2.5 U	2.5 U			177		2.5 U	5.7		2.5 U		148	4.68	5.94		9.39	62.2	17.1
G485	LW2-G485	97.5	4.62	6.75		214	3.21	2.91			492		2.48 U	15.2		2.48 U		406	12.9	8.96		10.1	179	41.1
G486	LW2-G486	38.9	5.65	2.57		70	2.46 U	2.46 U			168		2.46 U	4.55		2.46 U		124	3.82	2.94		5.92	59.2	15.4
G490	LW2-G490	136	33.2	8.13		189	2.84	1.67 U			352		1.67 U	13.3		1.67 U		311	13.9	6.76		9.44	160	41.4
G492-1	LW2-G492-1	1010	79.1	33.6		777	15.8	6.53			1430		2.48 U	53.1		2.48 U		1240	67.8	25.6		2.48 U	605	153
G494	LW2-G494	5090	578	112		1210	40.1	20.7			2970		4.97 U	86		4.97 U		2390	112	119		219	1010	287
G496	LW2-G496	428	34.2	5.72		43.7	2.48 U	2.48 U			110		2.48 U	3.71		2.48 U		83.6	4.64	24.3		30	38.7	10.3
G500	LW2-G500	164	38.9	5.23		105	2.23	2.45 U			233		2.45 U	7.04		2.45 U		187	6.84	2.84		13	84.5	28.7
G503	LW2-G503	541	56.4	37.3		533	5.23	4.82 U			3270		4.82 U	47.1		4.82 U		1050	16	30.8		197	856	34.1
G506	LW2-G506	346	27.3	19.2		426	7.27	4.5			1720		2.55 U	33.3		2.55 U		801	19.8	12.6		2.55 U	437	53.5
G509	LW2-G509	168	42.9	4.03		72.1	3	2.5 U			201		2.5 U	5.86		2.5 U		149	5.72	4.23		12.1	62.9	16.2
G516	LW2-G516	329	125	10.4		120	7.65	6.48			284		2.48 U	8.48		2.48 U		213	6.43	7.8		28.6	94.7	21.2
G518	LW2-G518	46.2	2.52 U	6.2		174	2.52 U	2.72			472		2.52 U	13.1		2.52 U		323	9.46	7.77		2.52 U	133	32.6
G519-1	LW2-G519-1	348	13.8	32.2		850	11.4	4.99 U			1630		4.99 U	60.2		4.99 U		1270	66.8	11.2		4.99 U	698	118
BT001	LW2-GBT001	329	6.19	22		1470	7.77	6.38			1920		4.89 U	72.5		4.89 U		2230	42.3	16.5		4.89 U	1050	255
BT002	LW2-GBT002	6360	69.6	443		28600	118	65.7			37600		5.06 U	1200		5.06 U		39700	738	124		5.06 U	18600	4390
BT003	LW2-GBT003	34.4	5.12 U	5.12 U		79.7	5.12 U	5.12 U			149		5.12 U	5.16		5.12 U		130	5.12 U	5.12 U		5.12 U	62.5	16.1
BT004	LW2-GBT004	8.77	5.28 U	5.28 U		18.2	5.28 U	5.28 U			32.6		5.28 U	5.28 U		5.28 U		27.1	5.28 U	5.28 U		5.28 U	14.1	4.44 J
BT005	LW2-GBT005	150	12.4	10.3		255	8.26	5.01			665		4.95 U	24.2		4.95 U		489	24.2	22.4		4.95 U	219	44.7
BT0061	LW2-GBT006-1	127	5.21 U	15		310	5.21 U	5.21 U			925		5.21 U	20.8		5.21 U		511	20	7.6		5.21 U	284	54.7
BT0062	LW2-GBT006-2	238 T	7.67 T	29.3 T		596 T	6.93 T	5.4 T			1740 T		5.09 UT	38.6 T		5.09 UT		964 T	36.8 T	14 T		5.09 UT	536 T	99 T
BT007	LW2-GBT007	28.1	2.91	2.46 U		57.4	2.46 U	2.46 U			103		2.46 U	3.88		2.46 U		90.9	3.95	2.46 U		2.46 U	45	13
BT008	LW2-GBT008	245	34.6	24		588	10.4	6.87 U			1410		6.87 U	42.5		6.87 U		927	42.3	15.2		6.87 U	524	116
BT009	LW2-GBT009	88.7	13.5	6.17		160	5.02 U	5.02 U			350		5.02 U	12.4		5.02 U		282	9.9	6.47		5.02 U	138	37.3
BT010	LW2-GBT010	67.5	9.3	5.19 U		123	5.19 U	5.19 U			262		5.19 U	9.92		5.19 U		220	8.79	5.24		5.19 U	102	24.6
BT011	LW2-GBT011	69	11.2	5 U		151	5 U	5 U			313		5 U	9.76		5 U		257	8.95	5.81		5 U	124	32.2
BT012	LW2-GBT012	109	4.83 U	7.66		351	4.83 U	6.33			915		4.83 U	29.3		4.83 U		699	21	18.4		4.83 U	338	64.8
BT013	LW2-GBT013	86.5	13.3	11.6		198	2.67	2.55 U			869		2.55 U	14.5		2.55 U		313	6.31	7.67		2.55 U	204	30.9
BT014	LW2-GBT014	59.9	7.55	5.08 U		174	5.08 U	8.78			331		5.08 U	11.2		5.08 U		281	10	5.7		5.08 U	143	34
BT015	LW2-GBT015	111	14.3	7.85		273	5.13 U	5.13 U			529		5.13 U	17.9		5.13 U		451	14.9	9.07		5.13 U	218	58
BT016	LW2-GBT016	91500	38300	1040		951	1520	841			3540		5 U	576		5 U		8560	600	2810		8040	1840	251
BT017	LW2-GBT017	2820	43	142		8770	43.8	23.8			14600		9.8	475		10.2		11200	308	56.9		2.46 U	6630	801
BT018	LW2-GBT018	134	8.06	13.3		553	6.36	5.08 U			873		5.08 U	35.3		5.08 U		804	32.9	13.3		5.08 U	422	92.4
BT019	LW2-GBT019	70	12.8	5.11 U		130	5.11 U	5.11 U			271		5.11 U	9.14		5.11 U		231	7.72	5.38		5.11 U	109	30.1
BT020	LW2-GBT020	103	6.37	5.55		217	2.5 U	2.5 U			436		2.5 U	14		2.5 U		356	12.8	7.18		2.5 U	174	42.7
BT021	LW2-GBT021	131	5.53	11.4		496	4.5	3.78			978		2.53 U	32.2		2.53 U		792	26.6	7.28		2.53 U	413	77.3
BT022	LW2-GBT022	402	26.2	52.6		809	10.3	20.5			3960		2.49 U	74.6		2.49 U		1900	29.1	68		2.49 U	976	173
BT023	LW2-GBT023	198 T	18 T	19.5 T		347 T	5.46 T	8.4 T			1670 T		4.81 UT	36.5 T		4.81 UT		892 T	15 T	28.2 T		4.81 UT	414 T	81.3 T
BT024	LW2-GBT024	142	4.56	19.6		476	4.31	8.58			1470		2.46 U	39.2		2.46 U		1050	22.4	21.8		2.46 U	473	89.9
BT025	LW2-GBT025	83.2	4.34	6.96		246	2.77	3.47			519		2.51 U	17.6		2.51 U		437	14	8.24		2.51 U	206	47.2
BT026	LW2-GBT026	2180	347	212		755	46.7	61.8			3440		12.4 U	106		12.4 U		1900	35.1	169		187	848	180
BT0271	LW2-GBT027-1	161	25.4	6.03		87.5	2.53	2.52 U			225		2.52 U	7.04		2.52 U		171	6.56	10.2		2.52 U	74.6	19.3
BT0272	LW2-GBT027-2	176 T	37.9 T	6.97 T		90.7 T	2.93 T	2.52 UT			232 T		2.52 UT	7.26 T		2.52 UT		174 T	6.3 T	12.5 T		2.52 UT	77.1 T	20.4 T
BT028	LW2-GBT028	12300	198	862		38100	299	140			62700		26.9	2220		52		49600	2010	238		12.6 U	28900	4730
BT029	LW2-GBT029	120 T	15.2 T	8.37 T		121 T	2.87 T	2.56 T			317 T		2.48 UT	9.13 T		2.48 UT		240 T	7.2 T	9.98 T		2.48 UT	102 T	40.7 T
BT030	LW2-GBT030	142	3.86	15.8		272	2.66	3.46			837		2.56 U	14.8		2.56 U		572	10.4	10.4		2.56 U	234	51.1
BT031	LW2-GBT031	53.4	11.1	2.48 U		46.3	2.48 U	2.48 U			108		2.48 U	3.69		2.48 U		87.2	2.8	3.19		2.48 U	39.4	12
BT032	LW2-GBT032	3310	436	74.5		974	25.1	11.3			2060		2.45 U	72.3		2.45 U		1850	98.5	83.2		2.45 U	892	253
BT033	LW2-GBT033	176	52.5	5.77		124	4.91 U	4.91 U			263		4.91 U	8.84		4.91 U		206	8.73	6.61		8.66	99.3	27.6
U2C-2	LW2-U2C-2	55.4	2.51 U	10		277	4.59	4.18			707		2.51 U	22		2.51 U		544	39.8	14.6		25.7	218	56.8
U4Q-1	LW2-U4Q-1	8.81	1.24 U	1.24 U		40.9	1.24 U	1.24 U			99.6		1.24 U	2.92		1.24 U		76.9	2.06	1.24 U		1.24 U	35.6	9.86
02R001	LWG0102R001SDS015C00		77.3	249	16700		103	54	2670 J	8380		55500 J		1370	16500		39000 J		708	72.6	162	0.637 U		2860
03R003	LWG0103R003SDS015C10		1.24 T	1.38 T	30.8 T		0.717 UT	0.77 UT	8.84 JT	13.3 T		152 JT		2.99 T	40.7 T		78.8 T		2.46 T	0.778 T	1.12 T	0.645 UT		7.72 T
03R004	LWG0103R004SDS015C11		104	467	7570		134	35.6	3260 J	4230		28300 J		933	13600		16000		897	54.3	122	0.93 U		1330
03R005	LWG0103R005SDS015C00		54.2	15.6 U	7330		266	297	1560 J	3010		76900 J		918	13700		22900		632	280	430	14.7 U		1040
06R002	LWG0106R002SDS015C10		388	0.496 U	84.1		3.81	0.765 U	115 J	37.3		377 J		12.5	94.3		245		22.9	29.1	8.85	77.3		27.7
06R002	LWG0106R002SDS015C20		283	2.38	61.7		3.82	0.99	71.2 J	29.4		288 J		9.9	59.6		199		15.3	19.6	7.58	45.3		19.5
06R002	LWG0106R002SDS015C31		228 T	2.66 T	63.7 T		3.79 T	1.42 T	69.7 JT	29.3 T		303 JT		8.93 T	63.5 T		193 T		11.1 T	16.9 T	6.35 T	48.4 T		19 T
06R004	LWG0106R004SDS015C00		1.34	0.683 U	337		1.39	2.14	44.7 J	172		2200 J		28.3	343		837		15.5	1.25	2.73	0.883 U		45.6
07R006	LWG0107R006SDS015C00		42.9	255	12300		88.3	47.6	1970 J	6420		36300 J		981	11300		26300		462	38.4	107	12.2 U		1790
08R003	LWG0108R003SDS015C00		3.51	5.51	282		1.28	7.65	46 J	77.3		1970 J		40.2	292		831		13.2	23	37.5	0.598 U		109
09R002	LWG0109R002SDS015C00		79.1 T	25.3 T	672 T		7.05 T	5.52 T	181 JT	311 T		3210 JT		65.8 T	771 T		1540 T		58.3 T	27.8 T	23.3 T	24.9 T		191 T
1901	WLCOFJ02190119010																4050 P							
1902	WLCOFJ02190219020																30900 P							
1903	WLCOFJ02190319030																2120 P							
19A01	WLCOFJ0219A0119A010																10100							
19A02	WLCOFJ0219A0219A020																3320							
19A03	WLCOFJ0219A0319A030																3450 P							
2201	WLCOFJ02220122010																200 U							
2202	WLCOFJ02220222020																1110 P							
22031	WLCOFJ02220312031																930 P							
2203	WLCOFJ02220322030																550 P							
2204	WLCOFJ02220422040																470 JP							
2205	WLCOFJ02220522050																310 JP							

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	70362 -49-1	41464 -48-6	33284 -52-5	70362 -50-4	52663 -62-4	60145 -20-2	PCB083 _099	52663 -60-2	PCB084 _092	PCB085 _116	_116 _117	55312 -69-1	PCB086 _087_097_ PCB086 & 087 & 097 & 108 & 119 & 125	PCB087 _117_125	PCB088 _091	73575 -57-2	PCB090 _101	PCB090 _101_113 PCB090 & 101 & 113	52663 -61-3	73575 -56-1	PCB093 _095_098_ PCB093 & 095 & 098 & 100 & 102
	Chemical Name	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083	PCB083 & 099	PCB084	PCB084 & 092	PCB085 & 116	PCB085 & 116 & 117	PCB086	PCB086 & 087 & 097 & 108 & 119 & 125	PCB087 & 117 & 125	PCB088 & 091	PCB089	PCB090 & 101	PCB090 & 101 & 113	PCB092	PCB093	PCB093 & 095 & 098 & 100 & 102
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
G424	LW2-G424	2.51 U	6.41	2.51 U	0.395 J	48.3	2.51 U			224	73.4		2.51 U		166	101	4.45	574			2.51 U	
G426	LW2-G426	12.5 UT	128 T	12.5 UT	19.8 T	1180 T	12.5 UT			5870 T	1490 T		33.1 T		4130 T	2000 T	84.4 T	13300 T			12.5 UT	
G434	LW2-G434	2.53 U	40.5	2.53 U	14.5	332	2.53 U			1640	472		78.7		1230	1000	27.1	4080			2.53 U	
G438	LW2-G438	1.67 U	6.41	1.67 U	0.461 J	33.2	1.67 U			185	50.5		1.67 U		122	80.7	2.68	500			1.67 U	
G439	LW2-G439	2.51 UT	13.5 T	2.51 UT	3.45 T	122 T	2.51 UT			563 T	176 T		3.81 T		412 T	220 T	11.9 T	1350 T			2.51 UT	
G440	LW2-G440	2.44 U	12.9	2.44 U	2.1 J	155	2.44 U			489	201		8.62		414	189	19.6	1200			2.44 U	
G446	LW2-G446	2.5 U	75.8	2.5 U	0.875 J	203	2.5 U			3300	327		3.72		1020	2390	21.8	4920			2.5 U	
G447	LW2-G447	2.5 U	21.3	2.5 U	4.94	252	2.5 U			837	360		14.6		720	312	31.2	1940			2.5 U	
G448	LW2-G448	2.5 U	25.5	2.5 U	12.9	361	2.5 U			1120	505		20.5		971	495	53.7	2560			2.5 U	
G452	LW2-G452	8.28 U	9.09	8.28 U	1.3 J	84.8	8.28 U			308	123		3.78 J		267	125	8.47	776			8.28 U	
G453	LW2-G453	121 U	7490	121 U	3830	125000	1010			335000	158000		10600		279000	130000	23000	713000			121 U	
G457	LW2-G457	12.4 U	33	12.4 U	14.9	547	12.4 U			1540	681		27.3		1310	579	77.7	3370			12.4 U	
G461	LW2-G461	2.49 U	19.1	2.49 U	4.64	293	2.49 U			889	406		16.2		808	330	37.1	2060			2.49 U	
G463	LW2-G463	2.53 U	8.94	2.53 U	0.518 J	80.5	2.53 U			447	124		2.63		373	156	6.39	1130			2.53 U	
G473	LW2-G473	11.7 U	693	11.7 U	180	9470	58.9			33300	15900		677		34200	13000	1180	80700			11.7 U	
G477	LW2-G477	24.9 U	1030	24.9 U	348	10800	41.9			41700	16100		464		43300	15600	950	112000			24.9 U	
G481	LW2-G481	2.5 U	4.81	2.5 U	1.66 J	28.6	2.5 U			140	46.7		2.5 U		100	82.6	3.1	406			2.5 U	
G485	LW2-G485	2.48 U	13	2.48 U	0.914 J	93.6	2.48 U			583	145		2.48 U		366	165	9.39	1620			2.48 U	
G486	LW2-G486	2.46 U	4.12	2.46 U	0.613 J	31.7	2.46 U			139	55.3		2.46 U		122	60.4	3.04	395			2.46 U	
G490	LW2-G490	1.67 U	7.78	1.67 U	2.5	74.1	1.67 U			264	127		5.47		262	137	7.31	775			1.67 U	
G492-1	LW2-G492-1	2.48 U	33.6	2.48 U	4.04	176	2.48 U			1520	243		6.7		671	741	21.6	4830			2.48 U	
G494	LW2-G494	13.9	130	4.97 U	10.1	633	4.97 U			4870	923		13.1		2460	3750	64.5	15200			13.1	
G496	LW2-G496	2.48 U	6.06	2.48 U	0.633 J	27.2	2.48 U			208	40.8		2.48 U		113	288	4.31	492			2.48 U	
G500	LW2-G500	2.45 U	5.64	2.45 U	0.802 J	50	2.45 U			248	64.5		2.45 U		191	132	3.91	912			2.45 U	
G503	LW2-G503	4.82 U	76.5	4.82 U	23	619	4.82 U			4110	1080		33.3		3310	1470	72.3	13500			4.82 U	
G506	LW2-G506	2.55 U	30.7	2.55 U	10.6	451	2.55 U			1660	540		8.95		1380	592	31.8	3780			2.55 U	
G509	LW2-G509	2.5 U	4.59	2.5 U	0.75 J	38.2	2.5 U			208	62.3		2.5 U		162	122	3.65	614			2.5 U	
G516	LW2-G516	2.48 U	7.02	2.48 U	1.2 J	55.2	2.48 U			330	78.7		2.84		209	338	10	834			2.48 U	
G518	LW2-G518	2.91	12.6	2.52 U	2.95	102	2.52 U			485	140		2.52 U		378	153	7.3	1300			2.52 U	
G519-1	LW2-G519-1	4.99 U	17	4.99 U	3.53 J	201	4.99 U			566	226		9.77		517	233	20.5	1340			4.99 U	
BT001	LW2-GBT001	4.89 U	19.7	4.89 U	8.73	432	4.89 U			953	602		32.6		996	463	57.7	2020			4.89 U	
BT002	LW2-GBT002	5.06 U	349	5.06 U	275	8070	71.3			17000	10800		726		18400	7520	1140	34600			5.06 U	
BT003	LW2-GBT003	5.12 U	5.12 U	5.12 U	1.18 J	33.9	5.12 U			136	44.7		5.12 U		89.9	56.2	5.12 U	287			5.12 U	
BT004	LW2-GBT004	5.28 U	5.28 U	5.28 U	0.523 U	8.58	5.28 U			33.7	11.9		5.28 U		27.2	14.5	5.28 U	79.5			5.28 U	
BT005	LW2-GBT005	4.95 U	17.1	4.95 U	3.7 J	147	4.95 U			741	214		6.18		518	271	13.6	1690			4.95 U	
BT0061	LW2-GBT006-1	5.21 U	22.4	5.21 U	9.91	332	5.21 U			1290	440		12.5		1160	421	25.1	3010			5.21 U	
BT0062	LW2-GBT006-2	5.09 UT	41.5 T	5.09 UT	15.6 JT	601 T	5.09 UT			2370 T	815 T		21 T		2200 T	738 T	46 T	5590 T			5.09 UT	
BT007	LW2-GBT007	2.46 U	2.46 U	2.46 U	0.567 J	19.7	2.46 U			75.4	29.9		2.46 U		62.9	33	2.46 U	173			2.46 U	
BT008	LW2-GBT008	6.87 U	24.4	6.87 U	10.3	335	6.87 U			1350	449		14.6		1210	492	31	3150			6.87 U	
BT009	LW2-GBT009	5.02 U	8.37	5.02 U	2.34 J	86	5.02 U			385	120		5.02 U		295	144	7.44	1050			5.02 U	
BT010	LW2-GBT010	5.19 U	5.81	5.19 U	1.1 J	51.8	5.19 U			230	74.9		5.19 U		156	93.9	6.19	534			5.19 U	
BT011	LW2-GBT011	5 U	6.14	5 U	2.47 J	55.5	5 U			227	85		5 U		181	95.5	5.56	578			5 U	
BT012	LW2-GBT012	4.83 U	18.7	4.83 U	2.68 J	133	4.83 U			623	197		4.83 U		409	234	16	1510			4.83 U	
BT013	LW2-GBT013	2.55 U	23.9	2.55 U	8.3	328	2.55 U			1440	427		11.4		1300	429	24.5	3460			2.55 U	
BT014	LW2-GBT014	5.08 U	6.36	5.08 U	1.05 J	59	5.08 U			245	89.9		5.08 U		200	93.9	7.44	638			5.08 U	
BT015	LW2-GBT015	5.13 U	10.1	5.13 U	1.64 J	97.5	5.13 U			374	145		5.13 U		302	163	10.2	951			5.13 U	
BT016	LW2-GBT016	5 U	1490	5 U	106	1190	603			72100	2330		935		21900	47800	569	184000			5 U	
BT017	LW2-GBT017	2.46 U	80	2.46 U	54.5	1470	12.8			3630	1950		172		2930	1770	304	6260			2.46 U	
BT018	LW2-GBT018	5.08 U	14.2	5.08 U	3.65 J	151	6.38			490	231		12.7		414	204	21.4	1170			5.08 U	
BT019	LW2-GBT019	5.11 U	6.03	5.11 U	1.13 J	58.8	5.11 U			264	84.6		5.11 U		187	118	6.11	621			5.11 U	
BT020	LW2-GBT020	2.5 U	7.03	2.5 U	1.43 J	78.2	2.5 U			330	115		3.64		232	133	9.74	722			2.5 U	
BT021	LW2-GBT021	2.53 U	11	2.53 U	3.75	117	2.53 U			385	151		7.2		300	154	14.4	893			2.53 U	
BT022	LW2-GBT022	2.49 U	116	2.49 U	38.3	1180	2.49 U			5740	1660		26.8		4720	1940	86.3	13900			2.49 U	
BT023	LW2-GBT023	4.81 UT	43.5 T	4.99 UT	6.38 JT	460 T	4.81 UT			2260 T	657 T		11.9 T		1830 T	758 T	33.6 T	5590 T			4.81 UT	
BT024	LW2-GBT024	2.46 U	49.7	2.46 U	12.6	515	2.46 U			1630	814		11.5		1770	564	26.9	4780			2.46 U	
BT025	LW2-GBT025	2.51 U	10.4	2.51 U	2.61	89.7	2.51 U			408	132		3.67		283	160	9.53	998			2.51 U	
BT026	LW2-GBT026	12.4 U	230	12.4 U	18.5	1200	12.4 U			8550	1560		31.2		5440	6840	84.1	24500			12.4 U	
BT0271	LW2-GBT027-1	2.52 U	9.14	2.52 U	1.81 J	61.8	2.52 U			472	99.6		2.52 U		245	220	5.31	1350			2.52 U	
BT0272	LW2-GBT027-2	2.52 UT	9.41 T	2.52 UT	1.5 JT	49.5 T	2.52 UT			328 T	76.3 T		2.52 UT		189 T	238 T	4.74 T	873 T			2.52 UT	
BT028	LW2-GBT028	12.6 U	345	12.6 U	215	7100	52.5			19100	8660		587		16900	7530	1160	38600			12.6 U	
BT029	LW2-GBT029	2.48 UT	13.8 T	2.48 UT	2.4 JT	112 T	2.48 UT			606 T	157 T		3.18 T		400 T	281 T	8.65 T	1720 T			2.48 UT	
BT030	LW2-GBT030	2.56 U	29.7	2.56 U	11	374	2.56 U			1570	537		7.93		1410	496	27.5	3870			2.56 U	
BT031	LW2-GBT031	2.48 U	3.35	2.48 U	0.673 J	23.3	2.48 U			119	40.2		2.48 U		91.4	68.9	3	340			2.48 U	
BT032	LW2-GBT032	2.45 U	59.4	2.45 U	13.1	312	2.45 U			2690	531		13		1290	2490	36.7	9230			2.45 U	
BT033	LW2-GBT033	4.91 U	6.16	4.91 U	1.41 J	66.4	4.91 U			247	97.9		4.91 U		229	150	5.74	704			4.91 U	
U2C-2	LW2-U2C-2	2.51 U	14	2.51 U	1.28 J	137	2.51 U			643	243		5.05		554	243	13.6	1680			2.51 U	
U4Q-1	LW2-U4Q-1	1.24 U	1.99	1.24 U	0.348 J	17.7	1.24 U			65.8	31.4		1.24 U		61.1	21.7	1.6	166			1.24 U	
02R001	LWG0102R001SDS015C00	1.22 U	239	1.1 U	137	4210		14100 J	6850			6170 J		17300 J		4350 J	733		17800 J	3520		16600 J
03R003	LWG0103R003SDS015C10	0.203 UT	2.33 T	0.61 UT	0.274 T	27.2 T		142 JT	71.7 T			41.1 JT		167 JT		43.2 JT	2.36 T		312 JT	58.9 T		305 JT
03R004	LWG0103R004SDS015C11	0.789 U	80.4	0.878 U	63.9	1950		7510 J	4380			2690 J		10000 J		2570 J	273		13200 J	2450		13600 J
03R005	LWG0103R005SDS015C00	16.4 U	3260	14.6 U	46.2	21800		130000 J	68600			29200 J		159000 J		32100 J	1500		258000 J	43900		235000 J
06R002	LWG0106R002SDS015C10	0.268 U	7.48	0.606 U	0.932	61.2		923 J	218			128 J		565 J		284 J	8.77		1410 J	326		1760 J
06R002	LWG0106R002SDS015C20	0.374 U	8.65	0.564 U	0.676 J	60.6		1040 J	187			135 J		288 J		274 J	7.99		1570 J	311		357 J
06R002	LWG0106R002SDS015C31	0.177 UT	6.41 T	0.535 UT	0.785 T	47.7 T		699 JT	165 T			95.8 JT		422 JT		212 JT	5.83 T		1120 JT	253 T		1220 JT
06R004	LWG0106R004SDS015C00	0.433 U	31.7	0.834 U	2.26	260		1270 J	657			379 J		1900 J		301 J	17.3		3070 J	492		2210 J
07R006	LWG0107R006SDS015C00	8.54 J	241	11.5 U	87.5	4010		13700 J	5790			5470 J		15100 J		3680 J	630		15800 J	2700		13300 J
08R003	LWG0108R003SDS015C00	0.795 U	52.9	0.728 U	3.46	407		3010 J	1090			605 J		3010 J		584 J	32.9		5540 J	1120		3770 J
09R002	LWG0109R002SDS015C00	0.464 UT	40.4 T	0.521 UT	6.35 T	403 T		2560 JT	927 T			635 JT		2750 JT		927 JT	34.6 T		5920 JT	1020 T		5020 JT
1901	WLCOFJ02190119010																					
1902	WLCOFJ02190219020																					
1903	WLCOFJ02190319030																					
19A01	WLCOFJ0219A0119A010																					
19A02	WLCOFJ0219A0219A020																					
19A03	WLCOFJ0219A0319A030																					
2201	WLCOFJ02220122010																					
2202	WLCOFJ02220222020																					
22031	WLCOFJ022203122031																					
2203	WLCOFJ02220322030																					
2204	WLCOFJ02220422040																					
2205	WLCOFJ02220522050																					

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	73575-55-0	PCB095_098_102	73575-54-9	41464-51-1	38380-01-7	39485-83-1	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB106_118	PCB107_109	PCB107_124	PCB108_112	74472-35-8	38380-03-9
	Chemical Name	PCB094	PCB095 & 098 & 102	PCB096	PCB097	PCB099	PCB100	PCB101	PCB103	PCB104	PCB105	PCB106	PCB106 & 118	PCB107 & 109	PCB107 & 124	PCB108 & 112	PCB109	PCB110
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
G424	LW2-G424	6.61	448	9	133	252	18.9		23.3	2.81	144		437	39		22.6		595
G426	LW2-G426	90 T	10700 T	117 T	3190 T	5240 T	194 T		298 T	12.8 T	3140 T		9700 T	812 T		535 T		14200 T
G434	LW2-G434	92	2730	72.6	952	1790	175		154	6.35	1020		2880	262		152		3930
G438	LW2-G438	2.39	356	2.6	101	234	9.2		15.3	1.67 U	90.4		322	32.9		17.4		463
G439	LW2-G439	10.2 T	1090 T	10.4 T	328 T	580 T	20.3 T		31.1 T	2.51 UT	323 T		983 T	87.4 T		56.7 T		1490 T
G440	LW2-G440	10.1	859	14.7	343	553	15.1		21.9	2.44 U	391		1020	84.9		55.4		1230
G446	LW2-G446	293	4700	197	1010	2470	337		252	8.41	394		2410	445		420		5030
G447	LW2-G447	12.7	1490	21.5	594	890	15.5		27.5	2.5 U	564		1610	132		93.7		2330
G448	LW2-G448	22.2	2090	40.8	803	1200	28.7		39.5	1.61	804		2060	165		130		3140
G452	LW2-G452	7.45 J	593	9.34	202	327	14.5		18.8	8.28 U	243		640	53.2		32.3		811
G453	LW2-G453	6290	629000	14100	240000	324000	2470		7730	121 U	220000		529000	40800		39400		718000
G457	LW2-G457	26	2720	47.6	1090	1550	26.2		40.9	12.4 U	1160		2850	223		181		3800
G461	LW2-G461	14.7	1550	24	635	944	17.2		26.7	2.49 U	673		1700	133		105		2370
G463	LW2-G463	11.1	876	11.4	262	420	20.3		28.7	2.53 U	269		806	66.9		42.5		1120
G473	LW2-G473	632	67500	1110	25600	34200	844		770	38.1	21400		58400	4130		3920		104000
G477	LW2-G477	614	90300	1030	34900	46300	510		861	35	28600		88300	6140		5530		123000
G481	LW2-G481	7.69	325	9.16	80	164	18.7		18.2	2.5 U	88.4		289	26.1		13.6		373
G485	LW2-G485	6.13	1190	2.48 U	269	587	15.7		47.6	2.48 U	260		907	83.7		46.4		1320
G486	LW2-G486	3.58	305	5.01	90.2	160	8.76		10.6	2.46 U	101		293	24.6		14.2		404
G490	LW2-G490	11.9	547	14.9	193	343	29.9		28.1	3.24	271		787	59.5		31.6		790
G492-1	LW2-G492-1	37.5	4100	91	466	1620	181		247	8.02	539		1830	179		85.9		2930
G494	LW2-G494	230	13500	587	1750	5640	1310		997	65.1	1780		6020	592		310		10100
G496	LW2-G496	23.8	609	47.6	96.4	242	75.7		63.1	6.05	66.3		226	26.5		21.4		433
G500	LW2-G500	15.3	754	9.83	125	232	33.9		36.7	4.3	209		575	39.6		20.9		710
G503	LW2-G503	75.1	11800	97.8	2280	3520	184		149	4.82 U	1490		5580	330		341		9830
G506	LW2-G506	28.9	3030	2.55 U	1010	1500	51.9		53.8	4.14 U	1270		3200	238		152		4170
G509	LW2-G509	14.6	550	12.4	112	215	36.9		36.7	5.03	121		380	31.3		19		560
G516	LW2-G516	21.2	988	60.5	155	337	270		242	37.2	165		453	45.9		30.3		820
G518	LW2-G518	4.65	1020	6.17	287	458	9.74		18.6	2.52 U	290		912	74.2		48.8		1380
G519-1	LW2-G519-1	12.6	1100	21	413	621	15.7		19.2	4.99 U	539		1200	94.8		58.7		1490
BT001	LW2-GBT001	21.5	1720	37.9	815	1100	14.6		21.2	4.89 U	907		1960	154		132		2480
BT002	LW2-GBT002	341	27900	621	14500	19400	160		261	5.82	17800		32900	2760		2390		43300
BT003	LW2-GBT003	5.12 U	270	5.12 U	76.3	123	7.39		8.63	5.12 U	78.7		223	20.5		16.9		380
BT004	LW2-GBT004	5.28 U	75.2	5.28 U	19.3	32.5	5.28 U		5.28 U	5.28 U	19.2		54.6	5.28 U		5.28 U		85.7
BT005	LW2-GBT005	16.1	1330	14.4	436	767	32.6		35.4	4.95 U	381		1190	107		83.1		1850
BT0061	LW2-GBT006-1	14.1	2490	21.2	895	1170	13.2		21.7	5.21 U	816		2460	178		141		3620
BT0062	LW2-GBT006-2	24.6 T	4440 T	38.3 T	1660 T	2120 T	23.2 T		36.7 T	5.09 UT	1470 T		4480 T	311 T		253 T		6590 T
BT007	LW2-GBT007	2.74	146	2.99	47	78.1	6.35		4.59	2.46 U	57.7		153	11.5		9.36		213
BT008	LW2-GBT008	36.4	2620	33.3	870	1310	71.1		51.2	6.87 U	1010		2710	201		152		3590
BT009	LW2-GBT009	11.7	843	9.96	227	367	24.9		20.7	5.02 U	219		717	59.7		45.5		1180
BT010	LW2-GBT010	8.41	445	6.51 U	128	232	17.6		15.8	5.19 U	111		355	35.1		25.8		558
BT011	LW2-GBT011	7.87	431	8.54	144	255	20.3		17.4	5 U	156		452	42.3		26.8		611
BT012	LW2-GBT012	8.24	1110	12.2	383	694	16.7		35.5	4.83 U	288		1040	109		67.7		1510
BT013	LW2-GBT013	24.6	2730	23	892	1230	42.4		43.5	2.82	881		2480	191		145		3650
BT014	LW2-GBT014	7.05	462	7.39	157	264	15.3		15.8	5.08 U	163		463	41.4		29.4		650
BT015	LW2-GBT015	11.9	706	13.6	241	417	28.7		31.7	5.13 U	254		735	68.7		43.7		1000
BT016	LW2-GBT016	21900	174000	13500	14700	96500	44000		18400	4780	6230		45400	3620		21300		56200
BT017	LW2-GBT017	92.7	6270	237	2730	3820	71.3		98.9	2.63	2610		5120	441		449		7490
BT018	LW2-GBT018	12.2	904	17	336	532	19.7		21.1 U	5.08 U	354		875	86		62.4		1250
BT019	LW2-GBT019	9.92	557	10.2	150	262	27.3		21	5.11 U	155		441	40.5		29.6		703
BT020	LW2-GBT020	6.99	623	10.9	199	326	12.4		17.9	2.5 U	198		561	48.9		35.9		853
BT021	LW2-GBT021	7.76	702	11.5	254	406	11.6		18.3	2.53 U	251		679	65.2		44.5		945
BT022	LW2-GBT022	82.9	10900	102	3660	5470	164		230	6.14	3160		9900	815		560		14500
BT023	LW2-GBT023	29.8 T	4290 T	39.4 T	1510 T	2220 T	56.7 T		90.6 T	4.81 UT	1230 T		4160 T	330 T		235 T		5960 T
BT024	LW2-GBT024	15.4	2700	23	1400	2380	26.4		46.2	2.46 U	2670		7720	516		201		5470
BT025	LW2-GBT025	8.38	714	10.6	244	460	17.9		26.2	2.51 U	233		753	72.5		41.7		1010
BT026	LW2-GBT026	737	18000	611	3490	10100	1670		1280	89.3	3470		12100	1140		612		17500
BT0271	LW2-GBT027-1	16.4	1350	20.2	172	443	45.7		57.9	3.54	187		599	56.9		31.8		1170
BT0272	LW2-GBT027-2	19 T	791 T	27.3 T	134 T	394 T	69.3 T		75.7 T	4.79 T	170 T		528 T	61 T		24.2 T		742 T
BT028	LW2-GBT028	343	34000	763	14200	18100	179		358	8.11 J	14200		30900	2520		2310		43300
BT029	LW2-GBT029	21.9 T	1380 T	22 T	310 T	680 T	52.2 T		55.5 T	3.17 T	343 T		1070 T	95.1 T		55.9 T		1690 T
BT030	LW2-GBT030	14.6	3170	25.4	1010	1480	14.2		37.1	2.56 U	806		2450	177		149		4100
BT031	LW2-GBT031	6.77	270	8.13	67.7	143	15.7		16.7	2.48 U	76.8		243	22.9		11.5		325
BT032	LW2-GBT032	154	8940	376	872	3190	877		626	39.8	966		3330	318		161		6080
BT033	LW2-GBT033	15.4	566	19.6	159	285	44.5		38	5.1	260		627	45.9		26.3		784
U2C-2	LW2-U2C-2	6.23	1310	2.51 U	442	680	6.74		22.7	2.51 U	389		1200	101		73.8		1920
U4Q-1	LW2-U4Q-1	1.24 U	109	1.24 U	46.7	88	1.24 U		1.24 U	1.24 U	60.2		153	14.5		7.22		193
02R001	LWG0102R001SDS015C00	250		395					173	5.85	11300	0.649 U			910 J		1590	
03R003	LWG0103R003SDS015C10	1.52 T		1.96 T					3.27 T	0.178 T	81.5 T	0.368 UT			8.93 JT		14 T	
03R004	LWG0103R004SDS015C11	127		263					115	3.43	5710	0.66 U			503 J		760	
03R005	LWG0103R005SDS015C00	797		1170					1260	8.4	54500	15.7 U			7110 J		8920	
06R002	LWG0106R002SDS015C10	92.4		54.7					113	43.8	213	0.351 U			22 J		47	
06R002	LWG0106R002SDS015C20	77.7		37.5					98.2	33.3	203	4.14 U			24 J		45.9	
06R002	LWG0106R002SDS015C31	71 T		38.2 T					75.1 T	25.4 T	163 T	1.3 T			18.9 JT		38.8 T	
06R004	LWG0106R004SDS015C00	7.86		11.7					11.7	0.21 U	992	0.566 U			109 J		144	
07R006	LWG0107R006SDS015C00	167		281					133	5.62	8540	62.2			710		1290	
08R003	LWG0108R003SDS015C00	18.1		23.6					75.2	0.863	1410	0.565 U			158 J		438	
09R002	LWG0109R002SDS015C00	64.2 T		75.4 T					155 T	10.3 T	1300 T	0.658 UT			153 JT		283 T	
1901	WLCOFJ02190119010							4480			180 U							
1902	WLCOFJ02190219020							4640 P			180 U							
1903	WLCOFJ02190319030							2020			160 U							
19A01	WLCOFJ0219A0119A010							8480			170 U							
19A02	WLCOFJ0219A0219A020							2410 P			180 U							
19A03	WLCOFJ0219A0319A030							4910			170 U							
2201	WLCOFJ02220122010							280 U			170 U							
2202	WLCOFJ02220222020							940			180 U							
22031	WLCOFJ022203122031							390 P			160 U							
2203	WLCOFJ02220322030							250 U			150 U							
2204	WLCOFJ02220422040							390 U			240 U							
2205	WLCOFJ02220522050							240 U			150 U							

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	PCB004_010	16605-91-7	PCB005_008	25569-80-6	33284-50-3	PCB007 _009	34883 -43-7	34883 -39-1	33146-45-1	2050-67-1	PCB012 _013	34883 -41-5	2050-68-2	38444 -78-9	PCB016_032	37680 -66-3	37680-65-2	PCB018_030
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB004 & 010	PCB005	PCB005 & 008	PCB006	PCB007	PCB007 & 009	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB016 & 032	PCB017	PCB018	PCB018 & 030
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
2206	WLCOFJ0222O62J060											530 U										520 U	
22B01	WLCOFJ0222B0122B010											1210 P										320 U	
22B02	WLCOFJ0222B0222B020											390 JP										350 U	
22B03	WLCOFJ0222B0322B030											450 U										440 U	
22B04	WLCOFJ0222B0422B040											3690 P										610 JP	
22C01	WLCOFJ0222C0122C010											2340										820 J	
22C02	WLCOFJ0222C0222C020											540 J										310 U	
22C03	WLCOFJ0222C0322C030											780 JT										330 UT	
22C04	WLCOFJ0222C0422C040											1260 U										1230 U	
2401	WLCOFJ02240124010											260 U										260 U	
2402	WLCOFJ02240224020											350 U										350 U	
2403	WLCOFJ02240324030											380 U										370 U	
2404	WLCOFJ02240424040											420 U										410 U	
2405	WLCOFJ02240524050											390 U										380 U	
4801	WLCOFJ02480148010											310 U										310 U	
4802	WLCOFJ02480248020											250 U										240 U	
4803	WLCOFJ02480348030											310 U										310 U	
4804	WLCOFJ02480448040											420 J										290 U	
4805	WLCOFJ02480548050											300 U										300 U	
4806	WLCOFJ02480648060											490 U										1460	
4901	WLCOFJ02490149010											250 UT										240 UT	
4902	WLCOFJ02490249020											310 U										310 U	
4903	WLCOFJ02490349030											350 U										340 U	
4904	WLCOFJ02490449040											320 U										310 U	
4905	WLCOFJ02490549050											370 U										360 U	
4906	WLCOFJ02490649060											310 U										310 U	
5001	WLCOFJ02500150010											290 U										290 U	
5002	WLCOFJ02500250020											320 U										320 U	
5003	WLCOFJ02500350030											440 U										430 U	
5004	WLCOFJ02500450040											340 U										330 U	
5005	WLCOFJ02500550050											310 U										300 U	
5006	WLCOFJ02500650060											340 U										340 U	
5201	WLCOFJ02520152010											300 U										290 U	
5202	WLCOFJ02520252020											350 U										340 U	
5203	WLCOFJ02520352030											420 U										410 U	
52A01	WLCOFJ0252A0152A010											300 U										300 U	
52A02	WLCOFJ0252A0252A020											770 JP										400 U	
52A03	WLCOFJ0252A0352A030											650 JP										390 U	
52A04	WLCOFJ0252A0452A040											980 J										480 U	
52A05	WLCOFJ0252A0552A050											390 U										380 U	
52C01	WLCOFJ0252C0152C010											1360 P										3740	
52C02	WLCOFJ0252C0252C020											300 U										300 U	
52C03	WLCOFJ0252C0352C030											300 U										300 U	
52C04	WLCOFJ0252C0452C040											310 U										300 U	
52C05	WLCOFJ0252C0552C050											630 JT										2210 JT	
5301	WLCOFJ02530153010											470 UP										460 U	
5302	WLCOFJ02530253020											320 U										310 U	
5303	WLCOFJ02530353030											340 U										340 U	
5304	WLCOFJ02530453040											350 U										340 U	
5305	WLCOFJ02530553050											350 U										340 U	
M0201	WLCOFJ02M0201M2010											940 J										350 UJ	
M0202	WLCOFJ02M0202M2020											530 J										330 U	
M02031	WLCOFJ02M02031M2031											290 U										290 U	
M0203	WLCOFJ02M0203M2030											270 U										260 U	
M0204	WLCOFJ02M0204M2040											380 U										380 U	
M0205	WLCOFJ02M0205M2050											390 U										380 U	
M0301	WLCOFJ02M0301M3010											450 U										2850 P	
M0302	WLCOFJ02M0302M3020											310 U										300 U	
M0303	WLCOFJ02M0303M3030											340 U										330 U	
M0304	WLCOFJ02M0304M3040											760 JP										370 U	
M0305	WLCOFJ02M0305M3050											350 U										350 U	
S0201	WLCOFJ02S0201S2010											310 U										300 U	
S0202	WLCOFJ02S0202S2020											310 U										300 U	
S0203	WLCOFJ02S0203S2030											310 U										310 U	
S0204	WLCOFJ02S0204S2040											320 U										310 U	
S0205	WLCOFJ02S0205S2050											310 U										300 U	
S0501	WLCOFJ02S0501S5010											280 U										280 U	
S0502	WLCOFJ02S0502S5020											450 U										440 U	
S0503	WLCOFJ02S0503S5030											310 UT										300 UT	
S0504	WLCOFJ02S0504S5040											340 U										330 U	
S0505	WLCOFJ02S0505S5050											350 JP										300 U	
S0506	WLCOFJ02S0506S5060											330 U										330 U	
S0507	WLCOFJ02S0507S5070											370 U										370 U	
S0601	WLCOFJ02S0601S6010											490 U										480 U	

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	38444-73-4	PCB020_021_033	PCB020_028	PCB021_033	38444-85-8	55720-44-0	55702-45-9	PCB024_027	55712-37-3	38444-81-4	PCB026_029	38444-76-7	7012-37-5	15862-07-4	35693-92-6	16606-02-3	38444-77-8	37680-68-5	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1
	Chemical Name	PCB019	PCB020 & 021 & 033	PCB020 & 028	PCB021 & 033	PCB022	PCB023	PCB024	PCB024 & 027	PCB025	PCB026	PCB026 & 029	PCB027	PCB028	PCB029	PCB030	PCB031	PCB032	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																							
22B6	WLCOFJ0222B6022B060													350 JP										
22B01	WLCOFJ0222B0122B010													220 JP										
22B02	WLCOFJ0222B0222B020													240 JP										
22B03	WLCOFJ0222B0322B030													280 U										
22B04	WLCOFJ0222B0422B040													2650 P										
22C01	WLCOFJ0222C0122C010													2820										
22C02	WLCOFJ0222C0222C020													220 J										
22C03	WLCOFJ0222C0322C030													415 JT										
22C04	WLCOFJ0222C0422C040													1440 P										
2401	WLCOFJ02240124010													170 U										
2402	WLCOFJ02240224020													650										
2403	WLCOFJ02240324030													430 P										
2404	WLCOFJ02240424040													270 U										
2405	WLCOFJ02240524050													430 P										
4801	WLCOFJ02480148010													530										
4802	WLCOFJ02480248020													160 U										
4803	WLCOFJ02480348030													200 U										
4804	WLCOFJ02480448040													450										
4805	WLCOFJ02480548050													190 U										
4806	WLCOFJ02480648060													1530										
4901	WLCOFJ02490149010													210 JT										
4902	WLCOFJ02490249020													200 U										
4903	WLCOFJ02490349030													220 U										
4904	WLCOFJ02490449040													200 U										
4905	WLCOFJ02490549050													230 U										
4906	WLCOFJ02490649060													200 U										
5001	WLCOFJ02500150010													260 JP										
5002	WLCOFJ02500250020													380 P										
5003	WLCOFJ02500350030													280 U										
5004	WLCOFJ02500450040													210 U										
5005	WLCOFJ02500550050													190 U										
5006	WLCOFJ02500650060													440										
5201	WLCOFJ02520152010													620 P										
5202	WLCOFJ02520252020													370 P										
5203	WLCOFJ02520352030													260 U										
52A01	WLCOFJ0252A0152A010													1130										
52A02	WLCOFJ0252A0252A020													830 P										
52A03	WLCOFJ0252A0352A030													800 P										
52A04	WLCOFJ0252A0452A040													320 JP										
52A05	WLCOFJ0252A0552A050													370 JP										
52C01	WLCOFJ0252C0152C010													9200										
52C02	WLCOFJ0252C0252C020													540 P										
52C03	WLCOFJ0252C0352C030													190 U										
52C04	WLCOFJ0252C0452C040													200 U										
52C05	WLCOFJ0252C0552C050													5050 T										
5301	WLCOFJ02530153010													720 P										
5302	WLCOFJ02530253020													200 U										
5303	WLCOFJ02530353030													220 U										
5304	WLCOFJ02530453040													220 U										
5305	WLCOFJ02530553050													220 U										
M0201	WLCOFJ02M0201M2010													440 JP										
M0202	WLCOFJ02M0202M2020													210 U										
M02031	WLCOFJ02M02031M2031													180 U										
M0203	WLCOFJ02M0203M2030													190 JP										
M0204	WLCOFJ02M0204M2040													240 U										
M0205	WLCOFJ02M0205M2050													250 U										
M0301	WLCOFJ02M0301M3010													1380 P										
M0302	WLCOFJ02M0302M3020													190 U										
M0303	WLCOFJ02M0303M3030													480										
M0304	WLCOFJ02M0304M3040													460 P										
M0305	WLCOFJ02M0305M3050													220 U										
S0201	WLCOFJ02S0201S2010													190 U										
S0202	WLCOFJ02S0202S2020													190 U										
S0203	WLCOFJ02S0203S2030													200 U										
S0204	WLCOFJ02S0204S2040													200 U										
S0205	WLCOFJ02S0205S2050													200 U										
S0501	WLCOFJ02S0501S5010													180 U										
S0502	WLCOFJ02S0502S5020													280 U										
S0503	WLCOFJ02S0503S5030													300 JT										
S0504	WLCOFJ02S0504S5040													500 JP										
S0505	WLCOFJ02S0505S5050													190 U										
S0506	WLCOFJ02S0506S5060													640 J										
S0507	WLCOFJ02S0507S5070													410 J										
S6601	WLCOFJ02S6601S6010													300 U										

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Table C2-3a PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2)

	CAS No	38444-93-8	PCB040 _041_071	PCB041 _064_071_ PCB041 & 064 & 071 &	36559-22-5	PCB042 _059	70362-46-8	PCB043 _049	41464-39-5	PCB044 _047_065	70362-45-7	PCB045 _051	41464-47-5	2437-70-8	70362-47-9	PCB048 _075	PCB049_069	62796-65-0	PCB050 _053	68194-04-7	35693-99-3	PCB052 _069
	Chemical Name	PCB040	PCB040 & 041 & 071	072	PCB042	PCB042 & 059	PCB043	PCB043 & 049	PCB044	PCB044 & 047 & 065	PCB045	PCB045 & 051	PCB046	PCB047	PCB048	PCB048 & 075	PCB049 & 069	PCB050	PCB050 & 053	PCB051	PCB052	PCB052 & 069
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
22I6	WLCOFJ0222I0622I060								1030												470 U	
22B01	WLCOFJ0222B0122B010								440 P												410 JP	
22B02	WLCOFJ0222B0222B020								1210 P												860 P	
22B03	WLCOFJ0222B0322B030								250 U												400 U	
22B04	WLCOFJ0222B0422B040								1560 P												6110	
22C01	WLCOFJ0222C0122C010								410 U												4480	
22C02	WLCOFJ0222C0222C020								260 J												480 J	
22C03	WLCOFJ0222C0322C030								280 JT												730 JT	
22C04	WLCOFJ0222C0422C040								710 U												1110 U	
2401	WLCOFJ0224012401 0								150 UJP												230 U	
2402	WLCOFJ0224022402 0								200 U												460 JP	
2403	WLCOFJ0224032403 0								210 UP												500 JP	
2404	WLCOFJ0224042404 0								240 U												370 U	
2405	WLCOFJ0224052405 0								220 UP												340 U	
4801	WLCOFJ0248014801 0								710												2030	
4802	WLCOFJ0248024802 0								140 U												220 U	
4803	WLCOFJ0248034803 0								180 U												280 U	
4804	WLCOFJ0248044804 0								220 J												260 U	
4805	WLCOFJ0248054805 0								170 U												270 U	
4806	WLCOFJ0248064806 0								3330												3140 P	
4901	WLCOFJ0249014901 0								140 UT												220 UT	
4902	WLCOFJ0249024902 0								180 U												270 U	
4903	WLCOFJ0249034903 0								190 U												300 U	
4904	WLCOFJ0249044904 0								180 U												280 U	
4905	WLCOFJ0249054905 0								210 U												330 U	
4906	WLCOFJ0249064906 0								180 U												280 U	
5001	WLCOFJ0250015001 0								470 P												570 JP	
5002	WLCOFJ0250025002 0								270 J												280 U	
5003	WLCOFJ0250035003 0								250 U												390 U	
5004	WLCOFJ0250045004 0								190 U												300 U	
5005	WLCOFJ0250055005 0								170 U												270 U	
5006	WLCOFJ0250065006 0								1420												2390 P	
5201	WLCOFJ0252015201 0								170 UP												260 U	
5202	WLCOFJ0252025202 0								190 UP												310 U	
5203	WLCOFJ0252035203 0								230 U												370 U	
52A01	WLCOFJ0252A0152A010								810 P												1570 P	
52A02	WLCOFJ0252A0252A020								750 P												3980 P	
52A03	WLCOFJ0252A0352A030								960 P												2510 P	
52A04	WLCOFJ0252A0452A040								1310												480 JP	
52A05	WLCOFJ0252A0552A050								910												680 JP	
52C01	WLCOFJ0252C0152C010								3130												4200 P	
52C02	WLCOFJ0252C0252C020								620												760 P	
52C03	WLCOFJ0252C0352C030								170 U												270 U	
52C04	WLCOFJ0252C0452C040								170 U												270 U	
52C05	WLCOFJ0252C0552C050								2660 T												6690 JT	
5301	WLCOFJ0253015301 0								260 UP												410 U	
5302	WLCOFJ0253025302 0								180 UJP												280 U	
5303	WLCOFJ0253035303 0								190 UJP												300 U	
5304	WLCOFJ0253045304 0								200 UJP												310 U	
5305	WLCOFJ0253055305 0								200 UJP												310 U	
M0201	WLCOFJ02M0201M2010								200 UJ												3130 JP	
M0202	WLCOFJ02M0202M2020								430 P												1360 P	
M02031	WLCOFJ02M02031M2031								170 U												740 P	
M0203	WLCOFJ02M0203M2030								150 U												280 JP	
M0204	WLCOFJ02M0204M2040								220 U												340 U	
M0205	WLCOFJ02M0205M2050								220 U												340 U	
M0301	WLCOFJ02M0301M3010								4110												400 U	
M0302	WLCOFJ02M0302M3020								170 U												270 U	
M0303	WLCOFJ02M0303M3030								590 P												3990 P	
M0304	WLCOFJ02M0304M3040								210 U												4710 P	
M0305	WLCOFJ02M0305M3050								200 U												4790 P	
S0201	WLCOFJ02S0201S2010								170 U												270 U	
S0202	WLCOFJ02S0202S2020								170 U												270 U	
S0203	WLCOFJ02S0203S2030								170 U												1570 P	
S0204	WLCOFJ02S0204S2040								180 U												280 U	
S0205	WLCOFJ02S0205S2050								170 U												270 U	
S0501	WLCOFJ02S0501S5010								540 P												16200	
S0502	WLCOFJ02S0502S5020								250 U												400 U	
S0503	WLCOFJ02S0503S5030								170 UT												270 UT	
S0504	WLCOFJ02S0504S5040								190 U												300 U	
S0505	WLCOFJ02S0505S5050								170 U												270 U	
S0506	WLCOFJ02S0506S5060								190 U												570 JP	
S0507	WLCOFJ02S0507S5070								210 U												330 U	
S0601	WLCOFJ02S0601S6010								270 U												430 U	

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	41464-41-9	15968-05-5	74338-24-2	41464-43-1	PCB056_060	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070	PCB061_070_074_PCB061 & 070 & 074 & 076	54230-22-7	74472-34-7	52663-58-8	33284-54-7	32598-10-0	PCB066_076	73575-53-8	73575-52-7	41464-42-0	74338-23-1	32690-93-0	32598-13-3
	Chemical Name	PCB053	PCB054	PCB055	PCB056	PCB056 & 060	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070		PCB062	PCB063	PCB064	PCB065	PCB066	PCB066 & 076	PCB067	PCB068	PCB072	PCB073	PCB074	PCB077
	Unit	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G	PG/G
Location Name	**Sample ID**																							
22B6	WLCOFJ0222B6022B60																530 J							
22B01	WLCOFJ0222B0122B010																720 P							
22B02	WLCOFJ0222B0222B020																180 U							
22B03	WLCOFJ0222B0322B030																2880							
22B04	WLCOFJ0222B0422B040																1270 P							
22C01	WLCOFJ0222C0122C010																4720							
22C02	WLCOFJ0222C0222C020																760							
22C03	WLCOFJ0222C0322C030																1050 JT							
22C04	WLCOFJ0222C0422C040																650 U							
2401	WLCOFJ02240124010																140 U							
2402	WLCOFJ02240224020																180 U							
2403	WLCOFJ02240324030																1690 P							
2404	WLCOFJ02240424040																1860							
2405	WLCOFJ02240524050																910 P							
4801	WLCOFJ02480148010																2820							
4802	WLCOFJ02480248020																130 U							
4803	WLCOFJ02480348030																160 U							
4804	WLCOFJ02480448040																630							
4805	WLCOFJ02480548050																160 U							
4806	WLCOFJ02480648060																2180 P							
4901	WLCOFJ02490149010																130 UT							
4902	WLCOFJ02490249020																160 U							
4903	WLCOFJ02490349030																180 U							
4904	WLCOFJ02490449040																170 U							
4905	WLCOFJ02490549050																190 U							
4906	WLCOFJ02490649060																160 U							
5001	WLCOFJ02500150010																900							
5002	WLCOFJ02500250020																1620							
5003	WLCOFJ02500350030																600							
5004	WLCOFJ02500450040																380 P							
5005	WLCOFJ02500550050																160 U							
5006	WLCOFJ02500650060																2540 P							
5201	WLCOFJ02520152010																2080							
5202	WLCOFJ02520252020																610 P							
5203	WLCOFJ02520352030																220 U							
52A01	WLCOFJ0252A0152A010																2110							
52A02	WLCOFJ0252A0252A020																1540 P							
52A03	WLCOFJ0252A0352A030																2790							
52A04	WLCOFJ0252A0452A040																1500							
52A05	WLCOFJ0252A0552A050																1370							
52C01	WLCOFJ0252C0152C010																3300							
52C02	WLCOFJ0252C0252C020																490 P							
52C03	WLCOFJ0252C0352C030																350							
52C04	WLCOFJ0252C0452C040																160 U							
52C05	WLCOFJ0252C0552C050																3220 JT							
5301	WLCOFJ02530153010																1920							
5302	WLCOFJ02530253020																160 U							
5303	WLCOFJ02530353030																180 U							
5304	WLCOFJ02530453040																180 U							
5305	WLCOFJ02530553050																180 U							
M0201	WLCOFJ02M0201M2010																840 J							
M0202	WLCOFJ02M0202M2020																400 P							
M02031	WLCOFJ02M02031M2031																180 JP							
M0203	WLCOFJ02M0203M2030																400							
M0204	WLCOFJ02M0204M2040																200 U							
M0205	WLCOFJ02M0205M2050																200 U							
M0301	WLCOFJ02M0301M3010																5980							
M0302	WLCOFJ02M0302M3020																160 U							
M0303	WLCOFJ02M0303M3030																860 P							
M0304	WLCOFJ02M0304M3040																1250 P							
M0305	WLCOFJ02M0305M3050																1200 P							
S0201	WLCOFJ02S0201S2010																160 U							
S0202	WLCOFJ02S0202S2020																160 U							
S0203	WLCOFJ02S0203S2030																900							
S0204	WLCOFJ02S0204S2040																230 J							
S0205	WLCOFJ02S0205S2050																160 U							
S0501	WLCOFJ02S0501S5010																1350							
S0502	WLCOFJ02S0502S5020																230 U							
S0503	WLCOFJ02S0503S5030																600 T							
S0504	WLCOFJ02S0504S5040																790							
S0505	WLCOFJ02S0505S5050																320							
S0506	WLCOFJ02S0506S5060																610 P							
S0507	WLCOFJ02S0507S5070																190 U							
S0601	WLCOFJ02S0601S6010																250 U							

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	70362 -49-1	41464 -48-6	33284 -52-5	70362 -50-4	52663 -62-4	60145 -20-2	PCB083 _099	52663 -60-2	PCB084 _092	PCB085 _116	_116 _117	55312 -69-1	PCB086 _087_097_ PCB086 & 087 & 097 & 108 & 119 & 125	PCB087 _117_125	PCB088 _091	73575 -57-2	PCB090 _101	PCB090 _101_113 PCB090 & 101 & 113	52663 -61-3	73575 -56-1	PCB093 _095_098_ PCB093 & 095 & 098 & 100 & 102
	Chemical Name	**PCB078**	**PCB079**	**PCB080**	**PCB081**	**PCB082**	**PCB083**	**PCB083 & 099**	**PCB084**	**PCB084 & 092**	**PCB085 & 116**	**PCB085 & 116 & 117**	**PCB086**	**PCB086 & 087 & 097 & 108 & 119 & 125**	**PCB087 & 117 & 125**	**PCB088 & 091**	**PCB089**	**PCB090 & 101**	**PCB090 & 101 & 113**	**PCB092**	**PCB093**	**PCB093 & 095 & 098 & 100 & 102**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**																					
22B6	WLCOFJ0222B062B060																					
22B01	WLCOFJ0222B0122B010																					
22B02	WLCOFJ0222B0222B020																					
22B03	WLCOFJ0222B0322B030																					
22B04	WLCOFJ0222B0422B040																					
22C01	WLCOFJ0222C0122C010																					
22C02	WLCOFJ0222C0222C020																					
22C03	WLCOFJ0222C0322C030																					
22C04	WLCOFJ0222C0422C040																					
2401	WLCOFJ02240124010																					
2402	WLCOFJ02240224020																					
2403	WLCOFJ02240324030																					
2404	WLCOFJ02240424040																					
2405	WLCOFJ02240524050																					
4801	WLCOFJ02480148010																					
4802	WLCOFJ02480248020																					
4803	WLCOFJ02480348030																					
4804	WLCOFJ02480448040																					
4805	WLCOFJ02480548050																					
4806	WLCOFJ02480648060																					
4901	WLCOFJ02490149010																					
4902	WLCOFJ02490249020																					
4903	WLCOFJ02490349030																					
4904	WLCOFJ02490449040																					
4905	WLCOFJ02490549050																					
4906	WLCOFJ02490649060																					
5001	WLCOFJ02500150010																					
5002	WLCOFJ02500250020																					
5003	WLCOFJ02500350030																					
5004	WLCOFJ02500450040																					
5005	WLCOFJ02500550050																					
5006	WLCOFJ02500650060																					
5201	WLCOFJ02520152010																					
5202	WLCOFJ02520252020																					
5203	WLCOFJ02520352030																					
52A01	WLCOFJ0252A0152A010																					
52A02	WLCOFJ0252A0252A020																					
52A03	WLCOFJ0252A0352A030																					
52A04	WLCOFJ0252A0452A040																					
52A05	WLCOFJ0252A0552A050																					
52C01	WLCOFJ0252C0152C010																					
52C02	WLCOFJ0252C0252C020																					
52C03	WLCOFJ0252C0352C030																					
52C04	WLCOFJ0252C0452C040																					
52C05	WLCOFJ0252C0552C050																					
5301	WLCOFJ02530153010																					
5302	WLCOFJ02530253020																					
5303	WLCOFJ02530353030																					
5304	WLCOFJ02530453040																					
5305	WLCOFJ02530553050																					
M0201	WLCOFJ02M0201M2010																					
M0202	WLCOFJ02M0202M2020																					
M02031	WLCOFJ02M02031M2031																					
M0203	WLCOFJ02M0203M2030																					
M0204	WLCOFJ02M0204M2040																					
M0205	WLCOFJ02M0205M2050																					
M0301	WLCOFJ02M0301M3010																					
M0302	WLCOFJ02M0302M3020																					
M0303	WLCOFJ02M0303M3030																					
M0304	WLCOFJ02M0304M3040																					
M0305	WLCOFJ02M0305M3050																					
S0201	WLCOFJ02S0201S2010																					
S0202	WLCOFJ02S0202S2020																					
S0203	WLCOFJ02S0203S2030																					
S0204	WLCOFJ02S0204S2040																					
S0205	WLCOFJ02S0205S2050																					
S0501	WLCOFJ02S50155010																					
S0502	WLCOFJ02S50255020																					
S0503	WLCOFJ02S50355030																					
S0504	WLCOFJ02S50455040																					
S0505	WLCOFJ02S50555050																					
S0506	WLCOFJ02S50655060																					
S0507	WLCOFJ02S50755070																					
S0601	WLCOFJ02S60156010																					

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Table C2-3a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 1 of 2).

	CAS No	73575-55-0	PCB095_098_102	73575-54-9	41464-51-1	38380-01-7	39485-83-1	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB106_118	PCB107_109	PCB107_124	PCB108_112	74472-35-8	38380-03-9
	Chemical Name	PCB094	PCB095 & 098 & 102	PCB096	PCB097	PCB099	PCB100	PCB101	PCB103	PCB104	PCB105	PCB106	PCB106 & 118	PCB107 & 109	PCB107 & 124	PCB108 & 112	PCB109	PCB110
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
22B6	WLCOFJ0222B62060							380 U			230 U							
22B01	WLCOFJ0222B0122B010							760			140 U							
22B02	WLCOFJ0222B0222B020							250 U			150 U							
22B03	WLCOFJ0222B0322B030							980			200 U							
22B04	WLCOFJ0222B0422B040							1120			250 U							
22C01	WLCOFJ0222C0122C010							520 U			320 U							
22C02	WLCOFJ0222C0222C020							220 U			140 U							
22C03	WLCOFJ0222C0322C030							240 UT			150 UT							
22C04	WLCOFJ0222C0422C040							900 U			550 U							
2401	WLCOFJ02240124010							190 U			110 U							
2402	WLCOFJ02240224020							330 JP			150 U							
2403	WLCOFJ02240324030							460 P			160 U							
2404	WLCOFJ02240424040							1370			180 U							
2405	WLCOFJ02240524050							280 U			170 U							
4801	WLCOFJ02480148010							2640			140 U							
4802	WLCOFJ02480248020							180 U			110 U							
4803	WLCOFJ02480348030							230 U			140 U							
4804	WLCOFJ02480448040							210 U			130 U							
4805	WLCOFJ02480548050							220 U			130 U							
4806	WLCOFJ02480648060							1560 P			210 U							
4901	WLCOFJ02490149010							180 UT			110 UT							
4902	WLCOFJ02490249020							220 U			140 U							
4903	WLCOFJ02490349030							250 U			150 U							
4904	WLCOFJ02490449040							230 U			140 U							
4905	WLCOFJ02490549050							270 U			160 U							
4906	WLCOFJ02490649060							230 U			140 U							
5001	WLCOFJ02500150010							540			130 U							
5002	WLCOFJ02500250020							510 P			140 U							
5003	WLCOFJ02500350030							310 U			190 U							
5004	WLCOFJ02500450040							240 U			150 U							
5005	WLCOFJ02500550050							220 U			130 U							
5006	WLCOFJ02500650060							3510			150 U							
5201	WLCOFJ02520152010							2880			130 U							
5202	WLCOFJ02520252020							250 U			150 U							
5203	WLCOFJ02520352030							300 U			180 U							
52A01	WLCOFJ0252A0152A010							530			130 U							
52A02	WLCOFJ0252A0252A020							1040			220 JP							
52A03	WLCOFJ0252A0352A030							680 P			170 U							
52A04	WLCOFJ0252A0452A040							350 U			210 U							
52A05	WLCOFJ0252A0552A050							1340			170 U							
52C01	WLCOFJ0252C0152C010							1560			220 JP							
52C02	WLCOFJ0252C0252C020							260 JP			130 U							
52C03	WLCOFJ0252C0352C030							220 U			190 JP							
52C04	WLCOFJ0252C0452C040							220 U			130 U							
52C05	WLCOFJ0252C0552C050							2510 T			465 JT							
5301	WLCOFJ02530153010							490 P			200 U							
5302	WLCOFJ02530253020							230 U			140 U							
5303	WLCOFJ02530353030							250 U			150 U							
5304	WLCOFJ02530453040							250 U			150 U							
5305	WLCOFJ02530553050							250 U			150 U							
M0201	WLCOFJ02M0201M2010							390 JP			160 UJ							
M0202	WLCOFJ02M0202M2020							560			150 U							
M02031	WLCOFJ02M02031M2031							210 U			130 U							
M0203	WLCOFJ02M0203M2030							190 U			120 U							
M0204	WLCOFJ02M0204M2040							280 U			170 U							
M0205	WLCOFJ02M0205M2050							280 U			170 U							
M0301	WLCOFJ02M0301M3010							6160 P			200 U							
M0302	WLCOFJ02M0302M3020							220 U			130 U							
M0303	WLCOFJ02M0303M3030							1300			150 U							
M0304	WLCOFJ02M0304M3040							1300			160 U							
M0305	WLCOFJ02M0305M3050							1600			1750 P							
S0201	WLCOFJ02S0201S2010							220 U			130 U							
S0202	WLCOFJ02S0202S2020							220 U			130 U							
S0203	WLCOFJ02S0203S2030							690			140 U							
S0204	WLCOFJ02S0204S2040							230 U			140 U							
S0205	WLCOFJ02S0205S2050							220 U			130 U							
S0501	WLCOFJ02S0501S5010							870			120 U							
S0502	WLCOFJ02S0502S5020							320 U			190 U							
S0503	WLCOFJ02S0503S5030							260 JT			130 UT							
S0504	WLCOFJ02S0504S5040							340 J			150 U							
S0505	WLCOFJ02S0505S5050							220 U			130 U							
S0506	WLCOFJ02S0506S5060							400			140 U							
S0507	WLCOFJ02S0507S5070							270 U			160 U							
S0601	WLCOFJ02S0601S6010							350 U			210 U							

Notes:

J - The associated numerical value is an estimated quantity.

P - GC/HPLC criteria exceeded RPD>40%.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	PCB110_115	39635-32-0	PCB111_115	74472-36-9	68194-10-5	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	70424-70-3	57465-28-8	39635-33-1	38380-07-3	PCB128_162	PCB128_166
	Chemical Name	PCB110 & 115	PCB111	PCB111 & 115	PCB112	PCB113	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB124	PCB126	PCB127	PCB128	PCB128 & 162	PCB128 & 166
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
B002	LW2-B002						167						150		33.9				
B004	LW2-B004						1970						1500		272				
B007	LW2-B007						1.89						1.45		0.923				
B008	LW2-B008						2.22						1.87		1.07				
B015	LW2-B015						0.444						0.381		0.237				
B017	LW2-B017						1.22						0.728		0.551 U				
B018	LW2-B018						42.1						32.9		7.33				
B020	LW2-B020						6.94						4.77		2.44				
B022-1	LW2-B022-1						51.4						55.5		18				
B022-2	LW2-B022-2						40.3						55.2		18.2				
B023	LW2-B023						2.6						2.16		1.85				
B024	LW2-B024						77.2						72.8		17.2				
B026	LW2-B026						72.5						39.9		31.8				
C093	LW2-C093-A			6850		12.4 U	5480		5500	437	12.4 U	2520	2910	10300	975	12.4 U		50800	
D1-1	LW2-D1-1			7.66 T		2.74 T	8.41 T		15.7 T	2.5 UT	2.5 UT	5.12 T	8.32 T	15.4 T	3.18 T	2.5 UT		84.7 T	
G004	LW2-G004			59.4		5 U	55.4		48.1	5 U	5 U	35.6	48.4	74.7	12.2	5 U		263	
G007-1	LW2-G007-1			211		5.04 U	245		231	5.04 U	5.04 U	144	175	299	41.3	5.04 U		980	
G009	LW2-G009			3010		8.62 U	2900		1900	59.9	8.62 U	1780	2100	3180	419	8.62 U		8190	
G016	LW2-G016			25.8		12.4 U	22.8		25.3	12.4 U	12.4 U	16	19.4	34.3	6.73 J	12.4 U		157	
G019	LW2-G019			992		9.82 U	909		691	35.7	9.82 U	629	778	1170	158	9.82 U		3230	
G025	LW2-G025			8800		49.3 U	9400		4510	156	49.3 U	4380	5750	8380	1040	49.3 U		16700	
G028	LW2-G028			271		16.5	267		198	13.9	12.6 U	150	174	253	34.2	12.6 U		596	
G036	LW2-G036			11.8 J		12.7 U	11.6 J		31.5	12.7 U	3.76 J	6.6 J	9.12 J	21.6	4.27 J	12.7 U		121	
G038	LW2-G038			41.9		6.75	34.3		39.7	2.45 U	2.45 U	24.5	32.3	57.1	9.78	2.45 U		217	
G043	LW2-G043			18.3		1.68 U	19.5		30	1.98	1.68 U	12.5	16.6	38.3	6.16	1.68 U		159	
G057	LW2-G057			6.56		3.71	7.15		33.9	5.05	2.48 U	6.38	8.01	19.6	3.43	2.48 U		97.7	
G067	LW2-G067			12.1		3.39 U	14.8		26	6.15	3.39 U	8.8	11.2	42.8	7.68	3.39 U		292	
G086	LW2-G086			308		5.08 U	363		294	34.3	5.08 U	181	210	677	62.7	5.08 U		3310	
G090	LW2-G090			202		4.39 U	159		170	31.4	4.39 U	103	113	397	53.4	4.39 U		2480	
G092	LW2-G092			4100		47.9 U	3350		3530	301	47.9 U	2660	2890	11000	1110	47.9 U		57200	
G093	LW2-G093			2340		203	2230		2810	243	13 U	1250	1570	4520	477	13 U		22700	
G095	LW2-G095			5.35		2.48 U	6.01		10.7	2.48 U	2.48 U	3.71	4.14	11.5	2.22 J	2.48 U		64.4	
G096	LW2-G096			168		5.12 U	141		216	19	5.12 U	119	138	352	55.7	5.12 U		2990	
G103	LW2-G103			46.5		3.04 U	49.5		55.8	5.84	3.04 U	28.8	34.6	82.1	14.6	3.04 U		525	
G105	LW2-G105			22.6 JT		16 JT	21.1 T		47.5 T	3.2 T	1.25 UT	14.7 T	18 T	49.4 T	6.86 T	1.25 UT		271 T	
G109	LW2-G109			109		5 U	116		81.2	7.93	5 U	63.5	78.1	183	23.4	5 U		890	
G112	LW2-G112			144		4.81 U	152		97	9.43	4.81 U	84.3	99.9	232	30	4.81 U		1110	
G117	LW2-G117			15.8		4.76 U	13.9		38.3	4.76 U	4.76 U	10.7	14.6	35.2	5.83	4.76 U		221	
G128	LW2-G128			4.52		1.65 U	5.41		11.7	1.65 U	1.65 U	3.15	4.46	9.01	2	1.65 U		58.2	
G139	LW2-G139			135		15.4	71		56.5	2.47 U	2.47 U	33	52.6	133	13.3	2.47 U		613	
G147	LW2-G147			259		10.2	241		151	13.9	2.35 U	114	162	441	28	2.35 U		1710	
G149	LW2-G149			5.9		1.65 U	5.7		25.1	1.65 U	1.65 U	3.93	6.44	14.5	3.08	1.65 U		86.2	
G178	LW2-G178			13.4		12.3 U	11.8 J		15	12.3 U	12.3 U	7.84	9.52 J	19.3	3.08 J	12.3 U		85.8	
G184	LW2-G184			6.51		5.08 U	7.09		16	5.08 U	5.08 U	5.08 U	5.42	11.1	2.23 J	5.08 U		58	
G197-2	LW2-G197-2			62.1		16.2	42.2		65.1	2.89	2.46 U	22.4	28.3	96.3	11.7	2.46 U		473	
G198	LW2-G198			255 JT		74.9 JT	204 JT		133 JT	12.7 JT	2.53 UT	95 JT	158 JT	439 JT	34.9 JT	2.53 UT		2190 JT	
G208	LW2-G208			24.4		1.66 U	23.7		43.6	3.15	5.11	15.5	21	58.7	13.9	1.66 U		280	
G218	LW2-G218			57.3		48.2	20.9		454	131	14.1	16.7	22	116	68.8	4.42 U		1670	
G225	LW2-G225			15.2		11.6 U	13.2		22.4	11.6 U	11.6 U	11.6 U	9.28 J	23.8	5.8 J	11.6 U		110	
G230	LW2-G230			26.7		4.9 U	33.9		36.5	4.9 U	4.9 U	19.8	24.2	64.9	9.91	4.9 U		370	
G233	LW2-G233			23.8		9.87	13.3		40.1	3.61	2.5 U	8.53	11.9	40	5.75	2.5 U		183	
G241	LW2-G241			5.87		2.47 U	8.02		17.2	2.47 U	2.47 U	5.23	7.55	15.6	3.42	2.47 U		84.1	
G247	LW2-G247			68.9		30.6	68.3		159	14.2	2.46 U	48.8	64.6	202	31.4	2.46 U		1060	
G257	LW2-G257			3.59		2.46 U	3.2		14.7	2.46 U	2.46 U	2.48	3.5	8.32	1.98 J	2.46 U		62	
G273	LW2-G273			73.9		78	80.6		256	21.2	7.75	48.1	49.5	149	25.4	2.51 U		1040	
G280	LW2-G280			12.5		5.32	12.3		78.5	8.3	7.56	7.85	13.1	25.4	7.75	5.17 U		198	
G282	LW2-G282			204		319	84.5		2150	209	380	72.6	113	332	107	26.7 U		4480	
G293	LW2-G293			6.89		3.11	9.4		36.1	2.55 U	2.55 U	5.06	8.48	17.6	3.75	2.55 U		116	
G298	LW2-G298			26.6 J		66.5 U	27.8 J		20.9 J	66.5 U	66.5 U	66.5 U	15.4 J	46.6 J	10.3 U	66.5 U		242	
G307	LW2-G307			63		32.5	75.7		278	21.9	2.52 U	51.6	62.5	152	23	2.52 U		942	
G308	LW2-G308			38.9		7.51	47.1		66.9	4.73	2.46 U	29.4	32.9	75.4	10.5	2.46 U		335	
G310	LW2-G310			54.8		22.5	66.2		286	18.5	4.88 U	61.8	62.3	157	25.7	4.88 U		894	
G320	LW2-G320			29		15.5	29.3		49.5	3.77	2.53 U	17.9	20.5	65.6	7.11	2.53 U		266	
G327	LW2-G327			340		184	180		395	13.4	2.52 U	90.4	192	322	30.4	2.52 U		1660	
G328	LW2-G328			1.68 U		1.68 U	1.21 J		5.99	1.68 U	1.68 U	1.68 U	1.19 J	3.04	0.705 J	1.68 U		17.1	
G332	LW2-G332			56.1		352	20.2		1310	150	12.5 U	19.5	38.2	56.3	17.4	219		746	
G335	LW2-G335			18.3		6.8	15.4 U		20.1	6.61	1.67 U	11.8	12.9	32.5	5.55	1.67 U		226	
G339	LW2-G339			45.2		5.91	47.3		42.4	3.66	2.45 U	28.3	37	78.7	19.3	2.45 U		338	
G347	LW2-G347			33.7		6.91	30.6		46.7	4.15	2.48 U	18.5	22.2	60.9	11.1	2.48 U		390	
G351	LW2-G351			97		27.1	105		119	7.46	2.5 U	62.5	66.7	133	28.6	2.5 U		507	
G353-1	LW2-G353-1			169		28.1	179		132	5.8	2.43 U	97.5	122	178	28.1	2.43 U		446	
G355	LW2-G355			1410		158	1580		621	12.4 U	12.4 U	166	736	1030	286	12.4 U		2880	
G358	LW2-G358			9.54		2.15	8.09		18.9	1.66 U	1.66 U	6.18	8.71	19.9	3.71	1.66 U		92.9	
G360	LW2-G360			119		30.3	119		111	7.56	2.48 U	76.9	82.6	148	23.3	2.48 U		464	
G364	LW2-G364			38.8		80	18.3		230	21.5	4.33	21.8	23	59	10.4	2.46 U		560	
G371	LW2-G371			38.4		6.18	40.7		36.7	4.64	2.55 U	27.3	29.7	56.9	15.1	2.55 U		229	
G372-1	LW2-G372-1			25.1		7.6	17.7		41.8	2.48 U	2.48 U	9.36	12.1	38.6	6.06	2.48 U		228	
G373	LW2-G373			9.24		3.8	8.1		21.5	2.47 U	2.47 U	4.61	7.28	16.4	3.39	2.47 U		90.8	
G380	LW2-G380			99.3		28.7	99.9		375	65.1	2.47 U	44.2	59.2	237	25.6	2.47 U		1640	
G381	LW2-G381			56.2		30.2	48.3		157	13.5	2.5 U	35.5	41.7	101	16.6	2.5 U		559	

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	55215-18-4	PCB129_138_160_	52663-66-8	61798-70-7	38380-05-1	PCB132_161	35694-04-3	PCB133_142	PCB134_143	52744-13-5	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2	PCB138_163_164	PCB139_140	PCB139_149
	Chemical Name	PCB129	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB132 & 161	PCB133	PCB133 & 142	PCB134 & 143	PCB135	PCB135 & 151 & 154	PCB136	PCB137	PCB138	PCB138 & 163 & 164	PCB139 & 140	PCB139 & 149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002																	
B004	LW2-B004																	
B007	LW2-B007																	
B008	LW2-B008																	
B015	LW2-B015																	
B017	LW2-B017																	
B018	LW2-B018																	
B020	LW2-B020																	
B022-1	LW2-B022-1																	
B022-2	LW2-B022-2																	
B023	LW2-B023																	
B024	LW2-B024																	
B026	LW2-B026																	
C093	LW2-C093-A	15500		15600	63		93200		8210	16100	35700		35800	20100		261000		199000
D1-1	LW2-D1-1	22.1 T		41.5 T	2.5 UT		153 T		18 T	28.2 T	91.3 T		84.2 T	23.7 T		615 T		568 T
G004	LW2-G004	79.5		100	5 U		449		46.5	84.7	198		196	86.4		1560		1240
G007-1	LW2-G007-1	305		368	5.04 U		1710		175	331	650		657	332		5410		3590
G009	LW2-G009	2990		3460	34.1		13600		1500	2990	5290		5510	3090		44600		29900
G016	LW2-G016	47.5		71.3	12.4 U		266		32.2	51.8	136		131	47		1060		815
G019	LW2-G019	1120		1260	11.5		5890		580	1120	2210		2430	1190		19300		14000
G025	LW2-G025	7820		6780	87.9		27300		2920	5510	9530		10500	6840		88200		57800
G028	LW2-G028	197		263	12.6 U		1050		130	218	437		448	219		3420		2430
G036	LW2-G036	34.2		53.1	12.7 U		221		34.4	46.2	142		181	36.7		887		801
G038	LW2-G038	63.8		79	2.45 U		369		36.8	72.8	151		149	68.9		1150		910
G043	LW2-G043	40.5		56.3	1.68 U		290		36.6	53.7	142		137	44		1080		793
G057	LW2-G057	23.7		46.7	2.48 U		217		29.7	39.8	131		114	27.1		781		670
G067	LW2-G067	76.8		134	3.39 U		787		66.8	126	392		428	57.5		3110		2550
G086	LW2-G086	1060		1210	5.08 U		5610		569	1080	2150		2340	1100		17400		12500
G090	LW2-G090	713		989	4.39 U		5270		469	964	2290		2350	693		21500		14500
G092	LW2-G092	18600		20300	51.9		87300		8950	17800	27900		29200	19600		273000		148000
G093	LW2-G093	6930		9030	27.7		41000		3950	8100	16500		16800	7610		124000		96200
G095	LW2-G095	16.2		28.5	2.48 U		121		16	23.9	55.9		53.2	19.9		433		299
G096	LW2-G096	919		1060	5.12 U		5220		503	1050	1910		1850	1100		16500		10400
G103	LW2-G103	151		231	3.04 U		1030		109	194	431		422	147		3710		2540
G105	LW2-G105	66.6 T		114 T	1.25 UT		511 T		60.8 T	91.1 T	233 T		228 T	79.1 T		1740 T		1270 T
G109	LW2-G109	269		355	5 U		1430		145	278	488		523	275		4750		2920
G112	LW2-G112	337		388	4.81 U		1720		177	345	551		579	383		5860		3190
G117	LW2-G117	57		102	4.76 U		404		46.6	75.7	197		184	62		1430		1120
G128	LW2-G128	13		24.9	1.65 U		117		14	21.9	61.8		60.4	13.9		443		359
G139	LW2-G139	179		193	2.47 U		1160		110	212	418		454	202		3360		2440
G147	LW2-G147	566		622	3.26		2800		283	562	987		1050	576		8810		5730
G149	LW2-G149	19.6		36.3	1.65 U		190		24.2	34	103		103	22.4		667		595
G178	LW2-G178	12.3 U		44.3	12.3 U		235		24.2	43.4	116		134	19.9		891		796
G184	LW2-G184	16.7		29.3	5.08 U		126		15.4	25	77.7		73	16.3		417		425
G197-2	LW2-G197-2	138		166	2.46 U		970		92.8	163	448		437	133		3020		2420
G198	LW2-G198	633 JT		588 JT	2.53 UT		3630 JT		320 JT	677 JT	1250 JT		1320 JT	739 JT		11000 JT		6760 JT
G208	LW2-G208	70.1		90	1.66 U		476		51.1	86.1	269		281	80.5		1560		1480
G218	LW2-G218	396		1250	4.42 U		5670		895	949	3410		2740	194		22300		18500
G225	LW2-G225	34.6		49.5	11.6 U		327		30	50.6	229		241	27.4		1280		1420
G230	LW2-G230	101		143	4.9 U		577		58.4	104	261		247	104		1910		1520
G233	LW2-G233	48.4		84.6	2.5 U		451		51.5	73.3	244		237	43		1650		1370
G241	LW2-G241	19.6		35	2.47 U		169		19.5	29	89.9		87.1	20.6		612		521
G247	LW2-G247	281		428	2.46 U		2310		227	423	1090		1180	264		7800		7030
G257	LW2-G257	15		32.9	2.46 U		156		16.3	29.8	81.6		87.3	15.9		433		503
G273	LW2-G273	285		767	3.67		3150		429	553	2280		1750	219		10800		10900
G280	LW2-G280	59.2		110	5.17 U		553		89.5	139	368		366	58.1		2270		2020
G282	LW2-G282	2070		3790	26.7 U		17600		3240	5720	16100		15000	1020		81900		81600
G293	LW2-G293	28.8		61.7	2.55 U		275		36	54.9	158		162	31.1		1060		924
G298	LW2-G298	73.1		102	66.5 U		501		47.7 J	86.5	256		284	63.9 J		1880		1770
G307	LW2-G307	246		635	2.52 U		2460		292	422	1450		1430	260		8680		8440
G308	LW2-G308	93.2		155	2.46 U		762		83.8	145	406		384	105		2630		2360
G310	LW2-G310	216		575	4.88 U		2230		269	382	1340		1360	182		7510		8110
G320	LW2-G320	73.3		126	2.53 U		635		55.4	103	328		346	71.7		2150		1960
G327	LW2-G327	454		597	2.52 U		3280		421	595	1740		1580	548		10300		8760
G328	LW2-G328	4.38		9.49	1.68 U		48.4		5.27	9.13	32.4		37.9	4.48		172		189
G332	LW2-G332	143		1140	8.86 J		3690		820	796	3670		2340	171		8610		13400
G335	LW2-G335	62		138	6.28		853		67.7	138	533		597	42.2		3220		3660
G339	LW2-G339	107		143	4.14		595		65.9	119	256		253	113		2030		1490
G347	LW2-G347	99.2		133	2.48 U		714		79.5	131	336		333	115		2400		1960
G351	LW2-G351	137		264	84.1		1090		181	223	644		537	258		3800		3230
G353-1	LW2-G353-1	146		190	71		865		113	183	407		411	243		3100		2500
G355	LW2-G355	1250		3080	2770		5330		805	1380	2080		2040	1700		17700		15100
G358	LW2-G358	22.2		32.6	1.66 U		181		24.2	35.1	110		105	24.8		708		642
G360	LW2-G360	147		82.1	7.1		1030		103	187	535		533	154		3580		3340
G364	LW2-G364	114		409	2.46 U		1790		314	293	1360		1190	120		6300		6950
G371	LW2-G371	66.8		108	2.55 U		668		59.4	119	347		379	54.6		2560		2330
G372-1	LW2-G372-1	75.4		116	2.48 U		437		50.3	85.6	290		251	69.9		1560		1720
G373	LW2-G373	24.1		49.5	2.47 U		180		21.7	34.3	126		123	24.3		765		744
G380	LW2-G380	524		737	2.47 U		3460		332	665	1340		1410	516		10100		7440
G381	LW2-G381	153		390	2.5 U		1330		168	232	886		834	141		4610		5210

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	59291-64-4	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB146_165	68194-13-8	PCB147_149	74472-41-6	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	60145-22-4	33979-03-2
	Chemical Name	PCB140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB146 & 165	PCB147	PCB147 & 149	PCB148	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB154	PCB155
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002																	
B004	LW2-B004																	
B007	LW2-B007																	
B008	LW2-B008																	
B015	LW2-B015																	
B017	LW2-B017																	
B018	LW2-B018																	
B020	LW2-B020																	
B022-1	LW2-B022-1																	
B022-2	LW2-B022-2																	
B023	LW2-B023																	
B024	LW2-B024																	
B026	LW2-B026																	
C093	LW2-C093-A	1430	44900		10600	131		33000	6740		226	306	43700	322	190000		2570	6.21 J
D1-1	LW2-D1-1	5.97 T	105 T		27.5 T	2.5 UT		100 T	22.5 T		3 T	2.88 T	161 T	2.5 UT	571 T		16.1 T	2.5 UT
G004	LW2-G004	9.95	309		74.2	5 U		222	39.2		5 U	5 U	330	5 U	1350		19.2	5 U
G007-1	LW2-G007-1	32.7	1030		211	3.22		784	119		7.23	8.94	472	7.43	4430		68.3	5.04 U
G009	LW2-G009	238	8990		2030	32.2		5410	1120		29.6	48.6	7760	70.1	34400		345	8.62 U
G016	LW2-G016	8.39 J	200		45.7	12.4 U		165	28.9		3.37 J	2.94 J	232	12.4 U	947		17.5	12.4 U
G019	LW2-G019	91.6	4200		957	10.8		2430	398		8.07	18.4	3860	23.7	16600		126	9.82 U
G025	LW2-G025	530	14500		3890	92.8		9450	2610		75.1	106	11300	197	54400		726	49.3 U
G028	LW2-G028	26.2	582		145	2.89 J		511	103		9.91 J	9.79 J	613	6.63 J	2780 J		64.6	12.6 U
G036	LW2-G036	10.2 J	159		37.7	12.7 U		162	104		7.75 J	18.2	245	7.47 J	837		33.5	12.7 U
G038	LW2-G038	7.34	188		49.3	2.45 U		148	34.2		2.45 U	2.45 U	201	2.45 U	884		14.9	2.45 U
G043	LW2-G043	8.24	195		41.3	1.68 U		201	26.3		5.04	4.29	198	1.68 U	1060		25.3	1.68 U
G057	LW2-G057	9.71	140		30.2	2.48 U		188	24.8		5.32	5.87	204	2.48 U	872		34.5	2.48 U
G067	LW2-G067	12.5	797		154	3.39 U		463	37.4		4.05	4.11	687	3.39 U	3120		30.6	3.39 U
G086	LW2-G086	107	3060		783	8.03		2240	483		17.8	21.6	2890	21.8	13700		175	5.08 U
G090	LW2-G090	51.3	5760		985	4.39 U		3000	249		11.9	20.2	5170	16.5	24500		127	4.39 U
G092	LW2-G092	1120	46800		10000	114		30800	6430		134	238	32500	289	186000		1850	47.9 U
G093	LW2-G093	697	23100		5590	58.1		17300	3230		129	138	23000	136	105000		1270	13 U
G095	LW2-G095	3.55	80.6		16	2.48 U		83	10.8		2.48 U	2.48 U	89	2.48 U	417		10.5	2.48 U
G096	LW2-G096	74.6	3080		653	5.93		2140	356		10.6	18	2660	16	13100		138	5.12 U
G103	LW2-G103	20.9	782		154	3.04 U		599	70.7		7.06	7.51	745	3.36	3450		49.2	3.04 U
G105	LW2-G105	12.1 T	313 T		69.5 T	1.25 UT		331 T	31.1 T		5.89 T	3.52 T	235 T	1.33 T	1690 T		35.9 T	1.25 UT
G109	LW2-G109	25.6	840		181	5 U		618	109		6.31	7.29	722	5 U	3810		48.6	5 U
G112	LW2-G112	25.2	1020		189	4.81 U		712	116		5.63	6.63	761	5.77	4560		45.2	4.81 U
G117	LW2-G117	11.5	237		60	4.76 U		260	33.8		4.84	4.76 U	288	4.76 U	1340		33	4.76 U
G128	LW2-G128	3.68	87.5		18.6	1.65 U		86.8	12.7		2.06	2.12	112	1.65 U	474		11.3	1.65 U
G139	LW2-G139	2.47 U	605		138	2.47 U		437	73.1		3.66	5.14	327	4.15	2650		34.3	2.47 U
G147	LW2-G147	46.3	1440		354	4.07		1030	238		11.3	10.4	1190	9.97	6200		80.4	2.35 U
G149	LW2-G149	6.68	125		28.6	1.65 U		142	21.3		3.73	3.98	177	1.65 U	725		22.7	1.65 U
G178	LW2-G178	4.43	231		54.4	12.3 U		144	12.8		12.3 U	12.3 U	273	12.3 U	1060		10.3	12.3 U
G184	LW2-G184	5.08 U	77.9		21.5	5.08 U		80.6	11.9		5.08 U	5.08 U	127	5.08 U	402		12.2	5.08 U
G197-2	LW2-G197-2	16.9	569		127	2.46 U		473	68		6.78	7.85	625	3.87	2700		53.4	2.46 U
G198	LW2-G198	22.2 JT	1860 JT		367 JT	5.04 T		1340 JT	211 JT		9.08 JT	12.1 T	1550 JT	10.1 JT	8390 JT		91.8 JT	2.53 UT
G208	LW2-G208	14.7	248		79	1.66 U		246	49.2		4.94	6.11	297	2.44	1370		39.7	1.66 U
G218	LW2-G218	359	5190		1100	4.42 U		5930	359		181	64.9	5810	17.3	26500		931	4.42 U
G225	LW2-G225	11.6 U	321		90.6	11.6 U		193	31.9		11.6 U	11.6 U	486	11.6 U	1420		25.2	11.6 U
G230	LW2-G230	15.9	337		85.9	4.9 U		294	51.3		4.9 U	4.9 U	345	4.9 U	1630		29.8	4.9 U
G233	LW2-G233	15.3	304		63.6	2.5 U		307	34.4		9.02	5.65	393	2.5 U	1670		42.8	2.5 U
G241	LW2-G241	4.97	116		24.4	2.47 U		119	14.9		2.9	2.47 U	161	2.47 U	660		15.4	2.47 U
G247	LW2-G247	45.3	1510		405	2.46 U		1200	166		14.9	14.8	1870	7.01	7810		118	2.46 U
G257	LW2-G257	4.41	79.6		26.2	2.46 U		79	16.6		2.46 U	2.46 U	153	2.46 U	404		12.3	2.46 U
G273	LW2-G273	95.7	2540		548	2.51 U		2360	161		62.6	38.4	3220	5.84	11400		324	2.51 U
G280	LW2-G280	19.9	505		112	5.17 U		483	176		21	18.6	788	15.1	2720		95.9	5.17 U
G282	LW2-G282	625	21100		4650	42		16300	7280		795	623	25800	797	99900		3260	176
G293	LW2-G293	9.84	201		42.4	2.55 U		225	41		6.71	6.5	295	2.91	1170		36.4	2.55 U
G298	LW2-G298	66.5 U	462		132	66.5 U		236	66.5 U		66.5 U	66.5 U	542	66.5 U	1930		66.5 U	66.5 U
G307	LW2-G307	89.9	1610		417	2.52 U		1930	143		44.2	26.3	2600	5.34	9290		264	2.52 U
G308	LW2-G308	18.9	547		131	2.46 U		470	45.3		8.03	4.56	712	2.46 U	2580		47	2.46 U
G310	LW2-G310	78.3	1440		407	4.88 U		1820	146		36.6	30.6	2400	4.99	9110		257	4.88 U
G320	LW2-G320	13.4	442		112	2.53 U		360	32.3		5.29	3.65	585	2.53 U	2190		34.3	2.53 U
G327	LW2-G327	62.7	1800		456	4.09		2100	219		63.5	34.8	2310	9.71	10100		322	2.52 U
G328	LW2-G328	1.68 U	35.2		9.24	1.68 U		33.4	6.06		1.68 U	1.68 U	59.5	1.68 U	187		5.14	1.68 U
G332	LW2-G332	393	831		227	4.14 J		4080	416		203	112	4120	14.2	10600		1230	9.02 J
G335	LW2-G335	13.2	846		251	1.67 U		472	24.9		5.96	2.65	1200	1.67 U	3580		25.8	1.67 U
G339	LW2-G339	13.6	378		84.7	2.45 U		288	50		4.16	3.77	361	2.71	1670		26.9	2.45 U
G347	LW2-G347	15	438		94.1	2.48 U		420	62.5		6.77	7.88	601	3.54	2300		49.2	2.48 U
G351	LW2-G351	26.3	647		209	10.1		938	183		17.2	11	1010	12.7	3700		86	2.5 U
G353-1	LW2-G353-1	23.6	631		172	7.1		505	164		11.4	8.82	719	9.4	2830		65.5	2.43 U
G355	LW2-G355	171	3930		1460	172		2810	2080		63.9	60.1	3550	134	14500		403	18.1
G358	LW2-G358	5.91	137		31.3	1.66 U		140	21.6		3.88	3.43	194	1.66 U	749		19.5	1.66 U
G360	LW2-G360	9.78	780		200	2.48 U		548	64.7		6.04	6.43	956	4.5	3420		48.1	2.48 U
G364	LW2-G364	119	1140		291	2.46 U		1960	122		79.2	47.4	2080	2.46 U	8010		388	2.46 U
G371	LW2-G371	9.21	623		159	2.55 U		368	25.7		3.03	2.98	755	2.55 U	2740		19.9	2.55 U
G372-1	LW2-G372-1	21.6	260		83.2	2.48 U		253	83.8		10.2	9.05	414	5.62	1350		52.6	2.48 U
G373	LW2-G373	6.98	147		34.9	2.47 U		129	30.8		3.55	5.49	231	2.47 U	769		22.6	2.47 U
G380	LW2-G380	85	1630		361	3.93		1570	362		26.3	32.7	1810	18.9	8830		200	2.47 U
G381	LW2-G381	59.1	801		275	2.5 U		963	109		27.8	16.9	1490	4.24	4750		150	2.5 U

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	38380-08-4	69782-90-7	74472-42-7	PCB158_160	39635-35-3	74472-43-8	39635-34-2	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	52663-71-5	PCB171_173	52663-74-8
	Chemical Name	PCB156	PCB157	PCB158	PCB158 & 160	PCB159	PCB161	PCB162	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171	PCB171 & 173	PCB172
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002	344	82.3									122		0.347				
B004	LW2-B004	3370	751									1150		2.21				
B007	LW2-B007	14.6	2.83									6.66		0.206				
B008	LW2-B008	21.8	4.91									12.6		0.151				
B015	LW2-B015	2.21	0.708									1.15		0.151 U				
B017	LW2-B017	8.32	1.97									4.93		0.214 U				
B018	LW2-B018	131	20.5									59.1		0.75 U				
B020	LW2-B020	58	11.3									28.3		0.395				
B022-1	LW2-B022-1	422	100									197		1.2				
B022-2	LW2-B022-2	588	119									264		1.02 U				
B023	LW2-B023	41.1	9.48									35.7		0.594 U				
B024	LW2-B024	333	81.9									161		0.919 U				
B026	LW2-B026	867	128									460		4.34				
C093	LW2-C093-A	31600	7140		31300	923					1300	11700	253	18.3	38900	10500		5950
D1-1	LW2-D1-1	49.7 T	11.3 T		59.9 T	7.97 T					2.5 UT	20.9 T	2.5 UT	0.751 UT	165 T	44.9 T		29 T
G004	LW2-G004	163	36.9		173	19.1					7.43	64.1	5 U	0.764 U	355	97.5		61.3
G007-1	LW2-G007-1	599	135		594	43.9					24	227	7.76	1.13 J	1130	302		191
G009	LW2-G009	5290	1230		5960	210					275	1960	65.7	0.0981 U	6960	1830		1030
G016	LW2-G016	100	23.2		111	14.6					4.36 J	39.3	2.77 J	0.595 J	247	68.5		45.4
G019	LW2-G019	2030	457		2410	163					96.8	771	29.1	2.31 J	3940	1140		612
G025	LW2-G025	9980	2500		11700	277					539	3760	126	11.2 J	7340	2010		1220
G028	LW2-G028	363	81		394	27.5					19.4	134	5.59 J	0.841 U	606	178		109
G036	LW2-G036	75.5	15.4		87.5	15					2.83 J	30.8	3.47 J	0.507	212	56		37.9
G038	LW2-G038	110	29.5		134	5.84					5.63	47.8	2.45 U	0.925 U	158	44.4		27.4
G043	LW2-G043	97.4	21.5		100	16.1					3.39	39.6	1.7	0.653 U	309	87.5		55.3
G057	LW2-G057	58.6	12.1		64.7	13.5					2.48 U	25.7	2.48 U	0.638 U	265	75.2		48.7
G067	LW2-G067	203	29.5		286	58.8					3.39 U	87.4	5.01	0.709 J	1200	371		205
G086	LW2-G086	2010	441		2130	105					89.1	721	25.8	1.26 J	2580	717		397
G090	LW2-G090	1760	300		2140	624					46.6	685	22.2	1.71 J	11200	2890		1950
G092	LW2-G092	30900	7770		35200	814					1450	12600	288	10.3 J	30500	7870		4020
G093	LW2-G093	12800	2920		14400	778					656	5140	143	15.2	23300	6660		3960
G095	LW2-G095	36.2	8.12		41.5	5.93					2.48 U	15.5	2.48 U	0.334 J	103	29		19.9
G096	LW2-G096	1370	396		1880	154					65.8	651	17.3	2.18 J	2790	899		509
G103	LW2-G103	347	70.5		384	55.2					11.5	139	6.53	0.988 J	1160	330		204
G105	LW2-G105	160 T	34.6 T		168 T	19.4 T					5.69 T	68.2 T	1.8 T	0.718 JT	344 T	102 T		56.4 T
G109	LW2-G109	555	122		571	41.3					23.1	203	7.17	0.888 J	812	219		116
G112	LW2-G112	687	153		723	44.1					29.6	252	9.27	0.856 J	898	246		136
G117	LW2-G117	110	27.6		140	17.2					4.76 U	52.7	4.76 U	0.712 J	299	80.5		48.5
G128	LW2-G128	34.4	7.56		40.1	8.16					1.65 U	15.9	1.65 U	0.484 U	149	42.9		27.5
G139	LW2-G139	334	75.1		369	2.47 U					15.3	130	3.18	0.826 U	575	164		97.2
G147	LW2-G147	1060	235		1120	25.6					47.9	379	9.61	0.594 U	1030	286		154
G149	LW2-G149	48.2	10.4		56.5	10					1.65 U	21.8	1.65 U	0.517 U	212	61.3		40.3
G178	LW2-G178	66.2	9.5 J		86.3	22.3					12.3 U	25.9	12.3 U	0.447 J	317	89.8		57.7
G184	LW2-G184	33.2	6.83		42.7	6.73					5.08 U	13.7	5.08 U	0.516 U	106	30.9		19.4
G197-2	LW2-G197-2	261	52.9		330	19.2					9.55	97	7.91	1.11 U	717	205		116
G198	LW2-G198	1170 JT	280 JT		1260 JT	47.3 JT					40.6 JT	457 JT	6.83 T	1.14 UT	1750 T	515 JT		278 T
G208	LW2-G208	146	34.9		156	12.6					4.52	65.9	2.28	0.825 U	293	89.2		51.5
G218	LW2-G218	1450	144		2010	364					13	673	71.4	8.72	9240	2610		1320
G225	LW2-G225	91.5	13.3		127	19.3					11.6 U	35.5	11.6 U	1.43 U	1.43	141		81.9
G230	LW2-G230	208	49.7		217	20.2					9.44	84.4	4.9 U	0.901 U	386	107		68.5
G233	LW2-G233	106	21.3		147	14.6					3.27	51.6	2.77	0.8 U	485	142		77.6
G241	LW2-G241	47.6	10.8		55.7	10.7					2.47 U	21.2	2.47 U	0.599 U	220	62		41.7
G247	LW2-G247	584	124		810	67.9					19.8	291	9.67	1.92 U	2020	611		314
G257	LW2-G257	25.9	7.37		42.2	7.25					2.46 U	13.6	2.46 U	1.39 U	121	37.4		22.5
G273	LW2-G273	811	104		989	170					15.8	311	11.8	1.94 U	4200	1140		776
G280	LW2-G280	153	26.1		195	52.9					5.17 U	69.2	7.46	1.43 U	1030	280		184
G282	LW2-G282	4720	362		7310	1730					34.7	2020	317	4.54 U	37700	10300		6290
G293	LW2-G293	74.7	15.1		91.5	17					2.55 U	33.5	2.69	0.775 U	349	99.8		62.1
G298	LW2-G298	157	31.6 J		204	31.3 J					12 U	65.3 J	66.5 U	66.5 U	569	177		104
G307	LW2-G307	570	93.8		676	144					14	227	21	1.46 J	2680	763		486
G308	LW2-G308	217	40.9		249	35.5					8.33	83	3.59	1.24 U	724	221		134
G310	LW2-G310	553	90.4		525	148					14.3	218	15.7	3.32 U	2700	798		503
G320	LW2-G320	166	27.3		192	25.3					5.38	63.7	6.17	0.479 U	659	194		113
G327	LW2-G327	1080	223		997	93.9					39.1	389	11.6	1.22 U	2450	734		418
G328	LW2-G328	10.6	2.06		15	2.31					1.68 U	4.89	1.68 U	0.332 U	45.2	13		7.96
G332	LW2-G332	405	78.8		450	235					17.9	203	43.3	1.46 U	3060	1050		657
G335	LW2-G335	160	17.9		316	42.4					7.53	78.8	10.2	2.01 U	1150	348		189
G339	LW2-G339	199	46.9		239	17.1					11.9	88.2	3.24	1.23 U	436	122		72.5
G347	LW2-G347	193	60.2		236	71.7					8.63	91.3	3.65	1.44 U	891	251		182
G351	LW2-G351	302	66.5		359	56.1					71.8	134	6.13	2.68 U	1220	414		237
G353-1	LW2-G353-1	302	64.2		345	42					69	119	5.56	10.6	1010	300		172
G355	LW2-G355	2170	531		2750	219					3370	820	93	95.1	6320	2220		841
G358	LW2-G358	57.2	12.6		63.4	11.6					1.94	24.6	1.66 U	0.591 U	228	65.4		40.9
G360	LW2-G360	303	61.6		385	38.1					18.3	127	4.72	3.3 U	1080	312		183
G364	LW2-G364	393	45.6		361	153					7.55	153	18.3	0.885 U	2300	695		393
G371	LW2-G371	132	26.5		251	30.6					5.75	75.9	2.55 U	1.63 U	606	209		116
G372-1	LW2-G372-1	145	30.7		180	11.7					5.06	55.7	4.44	0.541 U	303	83.1		46.3
G373	LW2-G373	60.8	12.3		73.3	10.5					2.47 U	26.3	2.47 U	0.676 U	241	61.7		41.6
G380	LW2-G380	1050	219		1140	48.8					46	394	16.6	0.728 U	1540	453		234
G381	LW2-G381	333	63.1		398	65.7					11.1	137	14.1	1.39 U	1310	387		244

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	68194-16-1	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	PCB182_187	52663-69-1	PCB183_185	74472-48-3	52712-05-7	74472-49-4
	Chemical Name	PCB173	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB182 & 187	PCB183	PCB183 & 185	PCB184	PCB185	PCB186
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002																	
B004	LW2-B004																	
B007	LW2-B007																	
B008	LW2-B008																	
B015	LW2-B015																	
B017	LW2-B017																	
B018	LW2-B018																	
B020	LW2-B020																	
B022-1	LW2-B022-1																	
B022-2	LW2-B022-2																	
B023	LW2-B023																	
B024	LW2-B024																	
B026	LW2-B026																	
C093	LW2-C093-A	1110	31500	12.4 U	4690	19900	6340	14600	76000		1110		40100	20200		42.9	3550	15.7
D1-1	LW2-D1-1	4.14 T	190 T	8.91 T	25.7 T	114 T	46.5 T	95.7 T	418 T		2.5 UT		286 T	116 T		2.5 UT	21.1 T	2.5 UT
G004	LW2-G004	9.87	400	16.4	45.7	237	75	174	877		5 U		489	212		5 U	44.8	5 U
G007-1	LW2-G007-1	29.6	1170	57.7	138	694	231	523	2660		5.04 U		1440	662		5.04 U	135	5.04 U
G009	LW2-G009	169	7130	384	1020	3930	1430	3400	15300		79.6		8890	4420		8.97	812	8.62 U
G016	LW2-G016	6.18 J	275	13.3	32.6	170	61.3	133	639		12.4 U		388	160		12.4 U	32.7	12.4 U
G019	LW2-G019	109	4810	225	629	2650	907	2210	10100		9.82 U		5810	2750		9.82 U	557	9.82 U
G025	LW2-G025	272	5570	396	902	3390	1350	2880	14800		124		10100	4360		49.3 U	573	49.3 U
G028	LW2-G028	18	673	30	90.2	398	141	323	1410		6.02 J		859	366		12.6 U	74.2	12.6 U
G036	LW2-G036	5.26 J	235	10.1 J	27.8	156	64.3	136	551		12.7 U		370	138		12.7 U	27	12.7 U
G038	LW2-G038	4.82	167	7.14	20.7	97.8	32.4	70.5	342		2.45 U		200	89.2		2.45 U	17.6	2.45 U
G043	LW2-G043	7.5	322	11.1	36.2	213	69.4	153	753		1.68 U		419	171		1.68 U	39	1.68 U
G057	LW2-G057	6.58	295	12.2	36.8	189	65.4	145	664		2.48 U		392	161		2.48 U	33.4	2.48 U
G067	LW2-G067	31.9	1430	68	191	859	276	697	3110		3.39 U		1780	870		3.39 U	178	3.39 U
G086	LW2-G086	75.8	2520	112	311	1510	448	1050	5580		31.1		2820	1410		5.08 U	261	5.08 U
G090	LW2-G090	217	13600	798	1470	7510	2500	5860	34100		4.39 U		16700	7580		4.39 U	1770	4.39 U
G092	LW2-G092	972	20900	1080	2660	13400	3330	7770	48000		602		20000	12500		34.5 J	1920	19.6 J
G093	LW2-G093	651	25200	1060	3070	14200	4340	10000	51500		318		26200	12900		21.2	2710	13 U
G095	LW2-G095	2.69	107	7.43	15.6	78.5	28.9	64.8	274		2.48 U		179	69.2		2.48 U	13.8	2.48 U
G096	LW2-G096	90	3470	199	336	1990	519	1220	7000		5.12 U		4060	1620		5.12 U	396	5.12 U
G103	LW2-G103	30.8	1410	48.8	130	829	229	502	2890		3.04 U		1450	635		3.04 U	156	3.04 U
G105	LW2-G105	9.14 T	391 T	18.5 JT	49.1 T	250 T	84.7 T	185 T	879 T		1.25 UT		527 T	218 T		1.25 UT	43.4 T	1.25 UT
G109	LW2-G109	22.2	852	33.7	93.1	497	154	352	1940		6.3		1010	451		5 U	96	5 U
G112	LW2-G112	24.3	911	38.2	92	525	156	361	2240		9.1		1090	488		4.81 U	105	4.81 U
G117	LW2-G117	6.65	320	13.6	37	198	71.3	151	755		4.76 U		456	190		4.76 U	34.8	4.76 U
G128	LW2-G128	3.79	176	6.82	20.5	109	37.7	83	380		1.65 U		225	90.3		1.65 U	21.3	1.65 U
G139	LW2-G139	16.4	606	2.47 U	78.1	352	127	310	1320		19.7		844	358		2.47 U	76.9	2.47 U
G147	LW2-G147	32.9	878	41.5	116	542	154	342	1900		16.4		898	498		2.35 U	81.9	2.35 U
G149	LW2-G149	4.61	247	9.1	28.8	145	54.8	116	549		10.5		331	131		1.65 U	28.2	1.65 U
G178	LW2-G178	9	352	16.5	52	229	83	205	985		12.3 U		585	243		12.3 U	52.5	12.3 U
G184	LW2-G184	5.08 U	138	5.91	17.3	81.6	29.7	66.2	281		5.08 U		176	71.6		5.08 U	15.9	5.08 U
G197-2	LW2-G197-2	2.46 U	726	51.9	89.7	422	143	317	1670		32.8		898	427		2.46 U	76.9	2.46 U
G198	LW2-G198	46.9 JT	1630 T	117 T	197 T	971 JT	287 T	649 T	3830 T		61.9 JT		1770 T	921 T		2.53 UT	188 T	2.53 UT
G208	LW2-G208	7.44	281	12.3	40.9	192	65.9	146	662		8.7		389	170		1.66 U	31.8	1.66 U
G218	LW2-G218	202	9690	388	1200	6360	1890	4050	22400		4.42 U		11500	5440		6.85	967	4.42 U
G225	LW2-G225	13.8	575	28.5	81.8	330	128	288	1310		11.6 U		813	388		11.6 U	72.1	11.6 U
G230	LW2-G230	9.83	427	16.7	45	259	87.3	195	996		6.66		559	230		4.9 U	53.3	4.9 U
G233	LW2-G233	10.8	524	29	69.9	301	116	251	1170		21.1		698	319		2.5 U	56.2	2.5 U
G241	LW2-G241	5.21	268	9.8	29.9	163	58.4	125	610		2.47 U		366	140		2.47 U	34.5	2.47 U
G247	LW2-G247	49.3	1970	86.6	268	1230	368	884	4630		19.9		2390	1260		2.46 U	224	2.46 U
G257	LW2-G257	3.7	166	7.17	23.3	91.2	34.3	85.4	322		2.46 U		214	95.6		2.46 U	20.1	2.46 U
G273	LW2-G273	104	4070	211	644	2900	1120	2210	9610		31.4		6120	2610		4.06	461	2.51 U
G280	LW2-G280	22.5	1170	48.7	143	695	257	560	2730		6.47		1560	658		5.17 U	134	5.17 U
G282	LW2-G282	935	45600	1830	5870	25100	9630	22000	98100		169		55000	24800		26.7 U	4790	26.7 U
G293	LW2-G293	7.74	416	17.6	52.3	247	94.2	210	912		7.49		583	234		2.55 U	45.1	2.55 U
G298	LW2-G298	20 J	612	66.5 U	114	381	125	357	1630		23.9		947	458		66.5 U	102	66.5 U
G307	LW2-G307	57.8	3400	150	452	1920	722	1630	7160		19.2		4470	1880		2.52 U	345	2.52 U
G308	LW2-G308	20	856	39.5	118	529	177	428	1880		8.81		1110	485		2.46 U	112	2.46 U
G310	LW2-G310	62.3	3490	139	446	1870	711	1620	7270		86.9		4380	1880		4.88 U	370	4.88 U
G320	LW2-G320	16.3	775	28.9	106	441	154	372	1720		32		1020	444		2.53 U	92.5	2.53 U
G327	LW2-G327	54.9	2920	281	382	1550	664	1430	6610		225		3850	1640		2.92	351	2.52 U
G328	LW2-G328	1.68 U	56	2.43	7.1	33.4	13.1	28.4	117		1.68 U		76.5	30.8		1.68 U	6.23	1.68 U
G332	LW2-G332	75.3	4020	240	727	3560	1500	2670	7850		122		7750	2300		14.4	382	7.18 J
G335	LW2-G335	36	1360	63.1	203	773	265	643	2840		59.6		1630	829		2.27	186	2.35
G339	LW2-G339	14.6	443	20.6	56.1	264	88.6	191	939		26.1		514	240		2.45 U	55	2.45 U
G347	LW2-G347	19.2	1320	46.9	147	712	311	742	3330		2.48 U		2320	772		2.48 U	198	2.48 U
G351	LW2-G351	102	1450	95	214	869	347	643	2820		722		1850	845		14.6	344	29.5
G353-1	LW2-G353-1	78.1	1120	67.3	163	606	242	466	2290		655		1350	659		10.3	256	25
G355	LW2-G355	1850	7090	505	300	2520	951	1630	9610		17300		4970	3440		234	5710	597
G358	LW2-G358	5.61	228	9.08	28.3	161	58.4	124	562		9.84		348	139		1.66 U	31.4	1.66 U
G360	LW2-G360	31.8	1190	49.9	67.4	694	231	513	2630		45.6		1440	676		2.48 U	149	2.48 U
G364	LW2-G364	48.2	2670	145	377	1560	656	1380	5950		183		3690	1580		2.78	272	2.46 U
G371	LW2-G371	18.6	817	36.7	117	470	163	386	1640		8.22		1000	485		2.55 U	99	2.55 U
G372-1	LW2-G372-1	7.89	292	16.4	45.3	182	76.2	160	671		4.22		463	212		2.48 U	28.9	2.48 U
G373	LW2-G373	5.42	278	10.9	36.4	150	65.8	140	600		11.1		389	158		2.47 U	30.4	2.47 U
G380	LW2-G380	46.3	1440	60.6	189	922	260	610	3010		18		1530	761		2.47 U	134	2.47 U
G381	LW2-G381	31.5	1650	86.7	250	957	391	859	3360		15.9		2360	1010		2.5 U	173	2.5 U

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	69782-91-8	35694-08-7	52663-78-2	42740-50-1	PCB196_203	33091-17-7	PCB197_200	68194-17-2	PCB198_199	52663-75-9	52663-73-7
	Chemical Name	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB193	PCB194	PCB195	PCB196	PCB196 & 203	PCB197	PCB197 & 200	PCB198	PCB198 & 199	PCB199	PCB200
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
B002	LW2-B002			17.9														
B004	LW2-B004			241														
B007	LW2-B007			2.81														
B008	LW2-B008			4.82														
B015	LW2-B015			0.371														
B017	LW2-B017			1.94														
B018	LW2-B018			31.4														
B020	LW2-B020			13.7														
B022-1	LW2-B022-1			67.2														
B022-2	LW2-B022-2			99.5														
B023	LW2-B023			23.1														
B024	LW2-B024			41.5														
B026	LW2-B026			283														
C093	LW2-C093-A		49.8	1600	6890	1370	12.4 U	3060	12700	6150		14700	502		2050		12100	1860
D1-1	LW2-D1-1		2.5 UT	6.16 T	34.8 T	6.46 T	2.5 UT	21.2 T	101 T	41.3 T		133 T	4.1 T		5.82 T		126 T	14.7 T
G004	LW2-G004		5 U	13.8	75.6	11.7	5 U	41.2	182	78.1		227	7.18		10.7		210	25.6
G007-1	LW2-G007-1		5.04 U	45.4	233	41	5.04 U	114	552	250		661	22.2		78.7		545	77
G009	LW2-G009		8.62 U	281	1540	266	8.62 U	656	2810	1170		3590	126		169		3870	473
G016	LW2-G016		12.4 U	10.4 J	57.4	9.04 J	12.4 U	32.7	147	59.5		185	5.58 J		8.77 J		173	20.5
G019	LW2-G019		9.82 U	143	816	158	9.82 U	452	1950	873		2570	84.1		135		2340	317
G025	LW2-G025		49.3 U	395	1200	271	49.3 U	560	3640	869		7890	136		236		8420	604
G028	LW2-G028		12.6 U	27.5	119	25.1	12.6 U	68.4	344	150		341	12.7		16.3		336	45.4
G036	LW2-G036		2.79 J	8.2 J	47.2	8.08 J	12.7 U	30.2	139	59.6		172	5.36 J		8.33 J		183	21.6
G038	LW2-G038		2.45 U	6.96	30.5	6	2.45 U	15.6	65.3	26.6		82.1	2.77		4.16		77.9	9.42
G043	LW2-G043		1.68 U	11.6	65.3	9.64	1.68 U	35.6	182	77		186	5.94		13		165	21.5
G057	LW2-G057		2.48 U	11.1	54.4	10.5	2.48 U	33.4	190	84		201	7.24		10.5		177	23.5
G067	LW2-G067		3.39 U	35.8	242	43.7	3.39 U	136	483	233		639	26.2		43.2		535	86.4
G086	LW2-G086		5.08 U	100	506	93.2	5.08 U	243	1040	405		1220	37.5		66.4		1130	138
G090	LW2-G090		6.2	338	2440	405	4.39 U	1360	9580	4220		11100	360		1350		9330	1290
G092	LW2-G092		31.8 J	1340	4920	1030	47.9 U	1830	4970	2360		5210	183		360		5130	662
G093	LW2-G093		26	920	4450	865	13 U	2310	10900	4790		10800	388		531		10600	1460
G095	LW2-G095		2.48 U	3.8	21.2	4.58	2.48 U	13.3	57.1	28.1		73.3	2.48 U		5.71		72.3	9.29
G096	LW2-G096		5.37	106	500	118	5.12 U	280	2960	671		5660	55.2		491		7000	419
G103	LW2-G103		3.04 U	41.3	243	44.4	3.04 U	135	626	279		683	21.2		34.9		666	81
G105	LW2-G105		1.25 UT	13.7 T	64.5 T	13.4 T	1.25 UT	41.3 T	170 T	70.6 T		213 T	7.62 T		17.9 JT		218 T	26.1 T
G109	LW2-G109		5 U	32.6	168	28.8	5 U	83.6	575	185		711	18.3		29.9		676	72.8
G112	LW2-G112		4.81 U	37.2	175	33.6	4.81 U	94.1	621	197		812	20.2		32.3		788	81.7
G117	LW2-G117		4.76 U	11.9	58.2	11.1	4.76 U	35.3	175	68.6		227	6.75		10.6		221	24.7
G128	LW2-G128		1.65 U	5.73	32.1	5.25	1.65 U	19.1	90.2	40		100	3.46		4.71		92.2	11.5
G139	LW2-G139		2.47 U	18.3	97.7	18.9	2.47 U	54	260	122		293	11.7		45.3		271	41.4
G147	LW2-G147		2.35 U	44.2	181	37	2.35 U	79.3	263	123		284	9.75		14.8		255	33.5
G149	LW2-G149		1.65 U	8.15	43.1	7.77	1.65 U	26.6	123	54.8		144	5.06		12		126	16.2
G178	LW2-G178		12.3 U	11 J	73.3	12.1	12.3 U	41.7	257	101		344	10.5		15.3		338	43.9
G184	LW2-G184		5.08 U	3.95 J	21.7	5.08 U	5.08 U	14.1	56.8	25.6		72.6	5.08 U		5.08 U		74.1	9.33
G197-2	LW2-G197-2		2.46 U	25.4	132	26.7	2.46 U	70.6	361	156		477	13.1		75.5		580	44.2
G198	LW2-G198		3.27 T	69.5 JT	307 JT	62.9 T	2.53 UT	151 T	884 T	356 T		1210 T	33.2 T		219 T		1550 T	107 T
G208	LW2-G208		1.66 U	11.7	50	11	1.66 U	31.7	130	55.7		142	5.38		10.5		127	16.9
G218	LW2-G218		18	349	1820	359	4.42 U	1070	4000	1870		4480	163		185		3970	499
G225	LW2-G225		11.6 U	17.7	106	20.4	11.6 U	63.4	329	133		405	13.1		19.5		357	46.6
G230	LW2-G230		4.9 U	14.7	79	13.9	4.9 U	46.3	267	92.3		334	10.2		16.6		335	38.4
G233	LW2-G233		2.5 U	14.7	96.2	16.2	2.5 U	52.8	232	105		275	8.98		21.5		237	29.6
G241	LW2-G241		2.47 U	8.22	47.5	7.5	2.47 U	28.2	189	77.7		200	6.86		10.2		182	23.2
G247	LW2-G247		3.11	76.4	390	77	2.46 U	200	867	393		971	33.2		42.9		845	104
G257	LW2-G257		2.46 U	4.83	25.3	5.3	2.46 U	15.8	65.7	28.7		95.9	3.69		5.11		84	12.1
G273	LW2-G273		10.8	165	794	174	2.51 U	495	1680	782		1900	71.7		238		1540	227
G280	LW2-G280		5.94	40.9	210	38	5.17 U	131	757	320		797	28		37		677	87.5
G282	LW2-G282		164	1400	7580	1480	26.7 U	4910	20700	8750		23500	784		947		19900	2570
G293	LW2-G293		2.55 U	12.7	72.5	13	2.55 U	44.8	212	87.1		256	7.88		19.6		233	28
G298	LW2-G298		66.5 U	23.9 J	124	23.1 J	66.5 U	70.6	412	175		594	20.2 J		36.3 J		502	72.3
G307	LW2-G307		2.52 U	90.2	528	99.4	2.52 U	336	1570	674		1920	63.7		104		1670	228
G308	LW2-G308		2.46 U	25.9	151	26.8	2.46 U	86.2	406	188		426	16.9		21.3		376	59
G310	LW2-G310		4.88 U	92.8	531	91.2	4.88 U	342	1720	739		1830	65.1		94.7		1690	228
G320	LW2-G320		2.53 U	21.7	133	23.9	2.53 U	76.3	392	168		441	14.5		34.3		394	55.3
G327	LW2-G327		9.04	84.5	454	91.4	2.52 U	278	1770	739		2050	77.7		266		1890	276
G328	LW2-G328		1.68 U	1.88 U	9.7	1.81	1.68 U	5.86	23.7	10.1		31.2	1.68 U		1.68 U		30.1	3.82
G332	LW2-G332		20.2	113	664	116	12.5 U	535	2340	1150		2620	117		142		2620	363
G335	LW2-G335		1.77	41.7	249	46.7	1.67 U	135	439	244		606	24.1		38.3		517	78.7
G339	LW2-G339		2.45 U	18.8	91.2	15.8	2.45 U	44.7	224	106		232	9.28		14.1		194	29.6
G347	LW2-G347		3.92	29.1	198	30.4	2.48 U	129	1550	502		1790	46.2		170		1630	205
G351	LW2-G351		7.59	54.3	344	49.6	2.5 U	156	759	795		1320	87.6		148		835	262
G353-1	LW2-G353-1		7.5	50.6	280	43.9	2.43 U	113	617	622		1150	67.7		134		652	203
G355	LW2-G355		78.7	441	4180	316	127	554	3700	11800		17600	1260		1850		5170	4090
G358	LW2-G358		1.66 U	8.25	51.9	6.59	1.66 U	26.7	136	57.4		137	4.91		11		120	16
G360	LW2-G360		2.48 U	40.1	236	40.7	2.48 U	119	607	284		701	24.8		38.5		605	82.6
G364	LW2-G364		10.2	82.2	414	76.7	2.46 U	283	1270	593		1450	53		157		1280	172
G371	LW2-G371		2.55 U	20.4	125	26.7	2.55 U	73	257	117		302	11.9		15.4		281	37.6
G372-1	LW2-G372-1		2.48 U	12.3	60.4	12	2.48 U	34.4	119	47.5		183	5.82		7.69		162	19
G373	LW2-G373		2.47 U	9.24	48.9	9.38	2.47 U	29.2	125	53.1		158	5.02		14.1		134	16.7
G380	LW2-G380		4.87	68.2	281	57.5	2.47 U	140	456	217		454	16.9		20.3		385	53.2
G381	LW2-G381		3.69	46.8	263	51.1	2.5 U	173	750	319		984	34		45.5		912	120

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
B002	LW2-B002										9460 T
B004	LW2-B004										106000 T
B007	LW2-B007										150 T
B008	LW2-B008										197 T
B015	LW2-B015										32.4 T
B017	LW2-B017										99.4 T
B018	LW2-B018										2410 T
B020	LW2-B020										629 T
B022-1	LW2-B022-1										4920 T
B022-2	LW2-B022-2										5370 T
B023	LW2-B023										302 T
B024	LW2-B024										5180 T
B026	LW2-B026										7010 T
C093	LW2-C093-A	1870	2880		12.4 U	548	5880	614	1480	2390	4340000
D1-1	LW2-D1-1	15.4 T	27.6 T		2.5 UT	4.65 T	81.2 T	8.8 T	25.1 T	74.3 T	12000 T
G004	LW2-G004	26.9	43.8		5 U	8.55	98.5	9.65	26.9	81.9	51300
G007-1	LW2-G007-1	79.8	120		5.04 U	22.5	236	25.5	61.4	151	222000
G009	LW2-G009	380	760		8.62 U	129	1590	196	450	603	2020000
G016	LW2-G016	22	38.3		12.4 U	7.15 J	94.2	10.1 J	27.9	93.2	26900
G019	LW2-G019	262	449		9.82 U	90	691	93.1 J	178 J	303	849000
G025	LW2-G025	925	2950		49.3 U	95.8	9040	937	2920	1800	9780000
G028	LW2-G028	43.2	72.1		12.6 U	16.1	190	19.8	52.1	164	201000
G036	LW2-G036	19.3	37.4		12.7 U	5.55 J	81.5	8.58 J	25.3 J	78.2 J	17600
G038	LW2-G038	9.89	18.2		2.45 U	2.76	42.6	5.57	12.7	32	62000
G043	LW2-G043	24.8	43.5		1.68 U	6.72	129	12.5	37.6	120	24500
G057	LW2-G057	24.7	40.6		2.48 U	7.92	122	11.9	34.1	111	15900
G067	LW2-G067	90.1	128		3.39 U	20.3	369	29.1	117	447	42900
G086	LW2-G086	140	213		5.08 U	46.2	493	54	123	237	307000
G090	LW2-G090	1300	1780		4.39 U	387	2900	339	533	615	617000
G092	LW2-G092	642	928		47.9 U	220	1920	195 J	472 J	442	3490000
G093	LW2-G093	1460	2110		13 U	469	4110	430	882	1010	2160000
G095	LW2-G095	8.87	17		2.48 U	2.89	36.2	4.56	11	33.3	7770
G096	LW2-G096	536	1830		5.12 U	56.6	14900	1050 J	4110 J	3820	258000
G103	LW2-G103	82.3	129		3.04 U	28	249	26.8	57.2	110	66100
G105	LW2-G105	27.8 T	56.4 T		1.25 UT	7.49 T	187 T	17.2 T	62.2 T	205 T	29000 T
G109	LW2-G109	71.7	151		5 U	22.1	563	53.3	128	169	219000
G112	LW2-G112	81	179		4.81 U	22.2	682	64.6	168	201	274000
G117	LW2-G117	25.4	49.3		4.76 U	7.37	151	20.5	60.2	773	26200
G128	LW2-G128	12.8	22.3		1.65 U	4.22	64.2	6.77	19.4	61	8230
G139	LW2-G139	46.6	94.3		2.47 U	10	366	25.3	110	423	61200
G147	LW2-G147	32.7	48.3		2.35 U	11.6	155	13.2	44.6	120	153000
G149	LW2-G149	19.6	32.9		1.65 U	5.52	90.7	8.62	30.1	104	12500
G178	LW2-G178	40.5	69		12.3 U	12.3 U	145 J	17.9 J	34.7 J	79.1 J	19900
G184	LW2-G184	9.29	15.8		5.08 U	5.08 U	32.3	5.08 U	9.4	26.4	64200
G197-2	LW2-G197-2	54.1	164		2.46 U	17.2	2270	109	897	2040	52800
G198	LW2-G198	157 T	513 T		2.53 UT	40.3 T	9270 T	414 T	3590 T	9460 T	180000 JT
G208	LW2-G208	20.2	35.3		1.66 U	5.22	102	9.64	27.7	83.3	27600
G218	LW2-G218	482	644		4.42 U	183	785	92.7	152	146	250000
G225	LW2-G225	46.7	69.4		11.6 U	16.3	202	11.6 U	53.5	157	26700
G230	LW2-G230	43.7	76.1		4.9 U	10.7	210	23.2	55.8	139	31700
G233	LW2-G233	32.4	52.9		2.5 U	9.31	135	12	41.4	88.3	26500
G241	LW2-G241	26.4	44.3		2.47 U	7.88	108	14.3	27.7	91.1	12600
G247	LW2-G247	115	214		2.46 U	38.3	586	48.6	192	328	111000
G257	LW2-G257	12.2	19.7		2.46 U	3.63	48	6.12	16.5	52.8	8000
G273	LW2-G273	248	340		2.65	76.2	564	73.3	128	585	188000
G280	LW2-G280	106	167		5.17 U	32.6	320	43.9	90.3	325	41600
G282	LW2-G282	2550	3450		26.7 U	918	6560	759	1810	9250	1400000
G293	LW2-G293	31.9	54.6		2.55 U	8.73	146	15.2	41.5	93.3	18900
G298	LW2-G298	74.7	135		66.5 U	19.9 J	520	56.9 J	170	638	29900
G307	LW2-G307	238	345		2.52 U	67.6	558	68.1	128	349	191000
G308	LW2-G308	63.3	94.6		2.46 U	18.8	202	29	49.5	175	58800
G310	LW2-G310	245	360		4.88 U	74.6	708	77.5	177	632	185000
G320	LW2-G320	54	83.1		2.53 U	18.3	195	20	43.1	184	50600
G327	LW2-G327	324	532		2.52 U	73.1	1550	152	400	1140	224000
G328	LW2-G328	3.74	6.41		1.68 U	1.68 U	12.7	1.68 U	4.03	9.91	3090
G332	LW2-G332	414	614		10.8	113	1240	189	306	1260	480000
G335	LW2-G335	72.4	108		2.69	27.5	414	38.6	72.6	716	47600
G339	LW2-G339	30.8	53.3		2.45 U	11.7	187	28.4	41.7	179	38700
G347	LW2-G347	253	475		2.48 U	46.1	1090	117	219	193	49500
G351	LW2-G351	181	306		45.5	77.8	1230	424	369	2070	122000
G353-1	LW2-G353-1	144	214		37.5	63.2	1070	377	359	1890	144000
G355	LW2-G355	1420	1670		961	1260	20800	9480	7410	40000	972000
G358	LW2-G358	20.3	37.3		1.66 U	5.26	107	12	32.2	105	14100
G360	LW2-G360	83.6	136		3.1	29.6	505	53.6	116	536	111000
G364	LW2-G364	194	315		2.46 U	53.2	1120	98.2	365	1600	97200
G371	LW2-G371	43.7	71.8		2.55 U	11.4	187	20.6	54.2	173	59600
G372-1	LW2-G372-1	19.1	29.6		2.48 U	5.78	59.9	6.8	16	33.8	23600
G373	LW2-G373	18.6	31.1		2.47 U	5.15	67.1	7.52	18.6	76.7	13200
G380	LW2-G380	56.3	77.5		2.47 U	21.1	132	15.1	29.4	52	130000
G381	LW2-G381	124	192		2.5 U	34.4	349	42.1	87.8	204	105000

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	PCB110_115	39635-32-0	PCB111_115	74472-36-9	68194-10-5	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	70424-70-3	57465-28-8	39635-33-1	38380-07-3	PCB128_162	PCB128_166
	Chemical Name	PCB110 & 115	PCB111	PCB111 & 115	PCB112	PCB113	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB124	PCB126	PCB127	PCB128	PCB128 & 162	PCB128 & 166
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
G382	LW2-G382			340		183	333		1030	69.6	31.3	173	207	936	115	5 U		4330	
G386	LW2-G386			12.1		8.21	13.1		29.9	5.14	2.51 U	7.43	10.2	27.1	4.66	2.51 U		150	
G390	LW2-G390			550		108	539		1490	86.3	11.6 U	298	395	1200	156	11.6 U		6570	
G392	LW2-G392			25.3 T		9.88 JT	27.6 T		56.4 T	4.77 T	2.53 UT	16.1 T	21.1 T	69.2 T	9.73 T	2.53 UT		373 T	
G399	LW2-G399			19.8		5.72	24.3		44	6.77	2.5 U	16.4	18.7	39.2	7.81	2.5 U		187	
G401	LW2-G401			21.4		2.54 U	21.5		32.7	2.54 U	2.54 U	12.7	15.8	35.4	7.27	2.54 U		181	
G402	LW2-G402			229		291	224		1530	100	4.91 U	113	271	508	82	4.91 U		4200	
G410-1	LW2-G410-1			18.5		6.04	16.3		28.4	2.51	2.48 U	11.2	14.7	34.7	6.12	2.48 U		164	
G416	LW2-G416			103		125	48.4		295	22.4	2.5 U	35.7	51.2	111	19.9	2.5 U		886	
G417	LW2-G417			7.91		5.23	6.51		31.9	14.1	2.49 U	6.06	7.73	34.6	30	2.49 U		369	
G424	LW2-G424			6.78		3.24	7.72		25.8	2.51 U	2.51 U	4.96	7.04	16.4	3.57	2.51 U		114	
G426	LW2-G426			161 T		95.6 JT	165 T		447 T	31.8 T	12.5 UT	104 T	126 T	359 T	81.9 T	12.5 UT		2460 T	
G434	LW2-G434			65.7		2.53 U	51.7		165	11.9	2.53 U	30.4	42.7	120	57.4	2.53 U		649	
G438	LW2-G438			4.36		1.67 U	4.81		18.2	2.35	1.67 U	3.63	4.85	13.9	2.67	1.67 U		92	
G439	LW2-G439			17.3 T		7.97 JT	17.2 T		42.6 T	3.16 T	2.51 UT	12.1 T	16.2 T	37.8 T	6.11 T	2.51 UT		237 T	
G440	LW2-G440			21.1		11.6	24.9		36.1	2.61	2.44 U	14.6	19.1	36.8	6.5	2.44 U		188	
G446	LW2-G446			45.8		78	21.9		613	41.6	12	13.2	22	47.4	5.22	2.5 U		297	
G447	LW2-G447			34.6		9.39	29.6		52.2	5.43	2.5 U	20	31.4	60	9.32	2.5 U		325	
G448	LW2-G448			48.6		11.7	50.2		74.3	9.52	2.5 U	29	39	82.1	11.6	2.5 U		362	
G452	LW2-G452			13.5		8.28 U	14.6		24.4	3.25 J	8.28 U	7.91 J	13.6	29.2	5.19 J	8.28 U		142	
G453	LW2-G453			14700		5180	16900		15500	1770	121 U	8270	12500	20600	2020	121 U		59700	
G457	LW2-G457			64.8		42.3	72.9		84	7.75 J	12.4 U	52.7	63.3	109	17.1	12.4 U		497	
G461	LW2-G461			37.1		6.94	42.2		53.9	3.71	2.49 U	26.2	34.4	62.7	11.1	2.49 U		357	
G463	LW2-G463			14.3		7.59	17.2		35.6	4.21	2.53 U	8.7	12.6	36.2	5.78	2.53 U		191	
G473	LW2-G473			1560		354	978		1640	175	11.7 U	768	1150	2230	285	11.7 U		12300	
G477	LW2-G477			2070		921	1130		2200	199	24.9 U	913	1520	3550	414	24.9 U		18500	
G481	LW2-G481			4.86		2.88	4.67		16.9	2.5 U	2.5 U	3.38	5.29	10.4	2.12 J	2.5 U		57.5	
G485	LW2-G485			14.4		6.5	7.92		57.3	10.4	2.48 U	8.43	9.86	35.9	9.44	2.48 U		455	
G486	LW2-G486			6.26		2.46 U	5.69		12	2.46 U	2.46 U	3.6	5.41	12.2	2.32 J	2.46 U		63.2	
G490	LW2-G490			15.7		6.24	17.7		28.9	2.65	1.67 U	8.61	15.7	29.4	5.5	1.67 U		188	
G492-1	LW2-G492-1			32.1		22.2	24.8		226	27.6	2.48 U	15.4	22.7	69	20.3	2.48 U		710	
G494	LW2-G494			79.3		84.2	85.6		862	81.2	4.97 U	60.9	84.5	260	62	4.97 U		2320	
G496	LW2-G496			5.53		11.7	3.6		51.5	3.72	5.17	2.48 U	3.46	7.85	1.94 J	2.48 U		46.8	
G500	LW2-G500			8.4		4.46	9.87		28.7	3.82	2.45 U	6.15	8.95	24.9	6.95	2.45 U		184	
G503	LW2-G503			167		34.8	95.8		158	59.5	4.82 U	45.2	75.6	267	26.3	4.82 U		1410	
G506	LW2-G506			53.7		20.5	77.6		76	6.02	2.55 U	39.8	52.2	137	14.3	2.55 U		620	
G509	LW2-G509			5.89		6.16	6.88		30	2.5 U	2.86	4.01	6.23	15.4	2.92	2.5 U		87.3	
G516	LW2-G516			9.71		14.2	9.45		104	4.75	32.2	6.12	7.84	21.4	3.93	2.48 U		130	
G518	LW2-G518			17.5		2.52 U	14.9		30.5	3.69	2.52 U	9.05	12	46.7	6.26	2.52 U		268	
G519-1	LW2-G519-1			24.7		4.99 U	29.7		31.5	4.99 U	4.99 U	17.1	21	52.6	8.25	4.99 U		261	
BT001	LW2-GBT001			65.7		5.58	53.3		56.1	4.89 U	4.89 U	37	54.6	78.3	12	4.89 U		211	
BT002	LW2-GBT002			1580		93.4	1070		846	37.3	5.06 U	736	992	1460	211	5.06 U		3410	
BT003	LW2-GBT003			5.12 U		5.12 U	4.7 J		11.1	5.12 U	5.12 U	5.12 U	4.85 J	8.21	1.8 J	5.12 U		61.5	
BT004	LW2-GBT004			5.28 U		5.28 U	1.11 J		5.28 U	5.28 U	5.28 U	5.28 U	1.34 J	5.28 U	0.723 U	5.28 U		13.1	
BT005	LW2-GBT005			23.3		6.84	19		63	9.74	4.95 U	13.7	18.2	49.6	7.1	4.95 U		236	
BT0061	LW2-GBT006-1			56.3		5.21 U	47.2		53.8	5.21 U	5.21 U	29.2	39.8	103	11.5	5.21 U		493	
BT0062	LW2-GBT006-2			102 T		9.36 T	80.2 T		92 T	7.17 T	5.09 UT	51.1 T	71 T	196 T	20 T	5.09 UT		930 T	
BT007	LW2-GBT007			3.67		2.46 U	3.23		6.07	2.46 U	2.46 U	2.46 U	3.32	6.43	1.11 J	2.46 U		32.3	
BT008	LW2-GBT008			57.7		13.6	58		81.8	8.29	6.87 U	29.5	43.6	114	18.7	6.87 U		597	
BT009	LW2-GBT009			15.7		5.02 U	12.5		29	5.02 U	5.02 U	8.45	12.1	32.1	5.87	5.02 U		202	
BT010	LW2-GBT010			6.15		5.19 U	7.3		22.7	5.19 U	5.19 U	5.19 U	6.2	13.5	2.72 J	5.19 U		71	
BT011	LW2-GBT011			9.45		5 U	9.35		23.3	5 U	5 U	6.52	8.64	17.9	4.38 J	5 U		104	
BT012	LW2-GBT012			18.2		7.42	17.1		53.5	11.5	4.83 U	12.1	16.4	37.4	5.61	4.83 U		170	
BT013	LW2-GBT013			60.2		9.61	53.9		74.5	11.6	2.55 U	29.6	36.5	120	14.8	2.55 U		612	
BT014	LW2-GBT014			10.1		5.08 U	8.22		22.6	5.08 U	5.08 U	7.17	8.79	16.8	3.02 J	5.08 U		89.7	
BT015	LW2-GBT015			14.9		5.66	14.6		37.4	5.13 U	5.13 U	10.2	13.9	30.4	5.86	5.13 U		145	
BT016	LW2-GBT016			518		762	207		13600	567	869	163	511	879	455	5 U		24900	
BT017	LW2-GBT017			227		24.6	250		211	16.5	2.46 U	122	158	201	30.1	2.46 U		324	
BT018	LW2-GBT018			35		5.37	29.3		35.1	7.48	5.08 U	14.2	23.2	39.5	7.01	5.08 U		147	
BT019	LW2-GBT019			10.6		5.11 U	7.76		24.1	5.11 U	5.11 U	5.37	8.81	17.4	4.19 J	5.11 U		123	
BT020	LW2-GBT020			10.2		3.66	12.2		26.7	3.66	2.5 U	7.41	10.6	23.7	4.69	2.5 U		118	
BT021	LW2-GBT021			16		4.86	15		28.5	4.67	2.53 U	10.5	12.3	24.2	4.26	2.53 U		107	
BT022	LW2-GBT022			215		41.3	204		405	43.9	2.49 U	109	128	408	48.7	2.49 U		2310	
BT023	LW2-GBT023			73.9 T		13.3 T	71.2 T		150 T	17.6 T	4.81 UT	38.3 T	52.3 T	149 T	20.3 T	4.81 UT		791 T	
BT024	LW2-GBT024			100		6.17	167		113	12.8	2.46 U	77.2	122	281	34.8	2.46 U		2310	
BT025	LW2-GBT025			13.4		5	12.5		39.8	6.05	2.51 U	9.04	11.6	20.7	4.58	2.51 U		145	
BT026	LW2-GBT026			226		112	185		1430	126	12.4 U	102	137	526	82.4	12.4 U		3760	
BT0271	LW2-GBT027-1			10.1		11	9.15		61.3	6.94	2.52 U	6.44	9.59	7.93	5.45	2.52 U		273	
BT0272	LW2-GBT027-2			10.1 T		11.2 T	9.34 T		68.7 T	10.6 T	2.52 UT	5.87 T	8.79 T	23.6 T	3.68 T	2.52 UT		140 T	
BT028	LW2-GBT028			1090		83.3	1110		845	32.3	12.6 U	577	713	1290	148	12.6 U		3600	
BT029	LW2-GBT029			16.6 T		10.5 T	16.4 T		70.9 T	10.1 T	2.48 UT	12.6 T	14.6 T	47 T	15.3 T	2.48 UT		344 T	
BT030	LW2-GBT030			62.4		6.31	30.3		73.9	6.51	2.56 U	32.4	38.9	92.2	11.8	2.56 U		598	
BT031	LW2-GBT031			4.61		1.65 J	4.42		17.3	2.48 U	2.48 U	2.61	4.95	10.1	2.2 J	2.48 U		56	
BT032	LW2-GBT032			47.6		49.5	45		536	45.9	2.45 U	35.2	45.9	142	34.3	2.45 U		1250	
BT033	LW2-GBT033			9.14		5.2	12.1		32.7	4.91 U	4.91 U	7.07	12.1	24.7	5.32	4.91 U		222	
U2C-2	LW2-U2C-2			24.3		9.81	22.8		53.7	6.47	2.51 U	11.7	17.2	41.8	6.61	2.51 U		228	
U4Q-1	LW2-U4Q-1			3.56		1.24 U	3.26		5.62	1.24 U	1.24 U	2.3	3.61	6.48	1.38	1.24 U		35.2	
02R001	LWG0102R001SDS015C00	24800 J	0.594 U		0.568 U		875	19600 J		21.1	0.592 U	483	611		87	20			2080 J
03R003	LWG0103R003SDS015C10	378 JT	0.329 UT		0.218 UT		3.92 T	208 T		0.973 T	0.415 UT	3.05 T	4.16 T		0.858 T	0.581 JT			83.1 JT
03R004	LWG0103R004SDS015C11	15900 J	0.584 U		0.558 U		350	11500		6.82	0.759	194	246		25.8	19.7			2510 J

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	55215-18-4	PCB129_138_160_	52663-66-8	61798-70-7	38380-05-1	PCB132_161	35694-04-3	PCB133_142	PCB134_143	52744-13-5	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2	PCB138_163_164	PCB139_140	PCB139_149
	Chemical Name	PCB129	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB132 & 161	PCB133	PCB133 & 142	PCB134 & 143	PCB135	PCB135 & 151 & 154	PCB136	PCB137	PCB138	PCB138 & 163 & 164	PCB139 & 140	PCB139 & 149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
G382	LW2-G382	1280		1840	5 U		9440		1130	1810	5290		5300	1400		32700		28700
G386	LW2-G386	44.1		66	2.51 U		326		40.5	61.3	168		175	48.1		1110		932
G390	LW2-G390	1940		2970	11.6 U		12600		1320	2590	5960		6050	1950		41200		33700
G392	LW2-G392	110 T		191 T	2.53 UT		778 T		87.6 T	138 T	399 T		391 T	112 T		2850 T		2390 T
G399	LW2-G399	53.7		101	2.5 U		385		52.5	73.9	206		207	49.5		1550		1140
G401	LW2-G401	46.8		81.5	2.54 U		365		41.6	61.6	180		167	46.6		1260		991
G402	LW2-G402	1050		2190	4.91 U		12000		1440	2230	7030		7380	858		43200		39700
G410-1	LW2-G410-1	47.7		67.8	2.48 U		315		42.3	63.4	169		159	55.3		1290		954
G416	LW2-G416	203		380	2.5 U		2160		268	370	1390		1260	257		7130		7060
G417	LW2-G417	93.8		282	2.49 U		1640		143	252	1070		1150	62.5		6530		7050
G424	LW2-G424	27.5		46.9	2.51 U		229		30.1	41.5	126		121	28.6		873		733
G426	LW2-G426	673 T		1110 T	12.5 UT		5310 T		619 T	994 T	2360 T		2360 T	697 T		17800 T		12900 T
G434	LW2-G434	175		254	2.53 U		1380		195	247	824		750	217		5040		4220
G438	LW2-G438	21.4		45.9	1.67 U		225		25.4	38.6	117		125	24		810		755
G439	LW2-G439	57.9 T		102 T	2.51 UT		491 T		62.2 T	90.3 T	290 T		261 T	65.1 T		1580 T		1690 T
G440	LW2-G440	49.3		86.5	2.44 U		396		48.3	71.3	195		194	50.8		1500		1080
G446	LW2-G446	73.8		157	2.5 U		747		139	265	535		587	91		2540		2790
G447	LW2-G447	96.6		150	2.5 U		609		64.2	107	318		310	101		2200		1960
G448	LW2-G448	109		179	2.5 U		924		88.2	155	530		599	100		3220		3390
G452	LW2-G452	33.9		57.3	8.28 U		279		34.3	51	150		148	35.7		1090		883
G453	LW2-G453	18900		28900	121 U		169000		13700	29600	88900		108000	18100		598000		577000
G457	LW2-G457	137		197	12.4 U		1000		102	178	460		456	153		3600		2730
G461	LW2-G461	95.7		141	2.49 U		685		70.5	120	286		282	102		2410		1790
G463	LW2-G463	60.2		80.7	2.53 U		369		63.3	75.7	247		211	63.4		1320		1200
G473	LW2-G473	3850		4960	27.2		20300		1720	3530	11000		11200	4280		72200		78700
G477	LW2-G477	6190		8320	64.5		30800		3170	5810	14000		13600	7090		102000		89900
G481	LW2-G481	15.3		33.8	2.5 U		127		18.5	24.8	89.8		87.8	15.4		526		533
G485	LW2-G485	111		252	2.48 U		1340		138	188	771		623	54.5		6430		5200
G486	LW2-G486	15.4		23.2	2.46 U		126		14.9	23.7	78.9		75.6	16.9		506		481
G490	LW2-G490	55.5		74.4	1.67 U		297		37.9	55.4	170		168	65.7		1340		1010
G492-1	LW2-G492-1	165		454	2.48 U		2890		367	479	1980		2020	110		11200		11800
G494	LW2-G494	562		1240	4.97 U		7960		948	1370	5260		5890	406		30200		32700
G496	LW2-G496	13.7		33.4	2.48 U		144		29.1	27.5	143		171	13.1		498		734
G500	LW2-G500	40.6		72.6	2.45 U		521		55	90.1	328		343	37.7		2030		2170
G503	LW2-G503	407		833	4.82 U		5320		385	818	3640		4030	284		20800		28400
G506	LW2-G506	191		206	2.55 U		1080		113	205	431		461	211		3490		2450
G509	LW2-G509	22.1		33.1	2.5 U		223		31.4	43.6	147		170	21.5		864		862
G516	LW2-G516	35.7		61.2	2.48 U		361		78	64.7	210		403	32.5		1410		1510
G518	LW2-G518	70.6		112	2.52 U		632		61.3	103	327		316	63.4		2210		2010
G519-1	LW2-G519-1	72		102	4.99 U		443		49.9	83.7	193		196	77		1540		1060
BT001	LW2-GBT001	68.3		87.5	4.89 U		346		35.1	66.3	127		132	66.1		1190		773
BT002	LW2-GBT002	1090		1330	12.4		5780		565	1080	2540		2560	1100		18900		15900
BT003	LW2-GBT003	19		31.6	5.12 U		121		13.9	21.9	69.4		64.4	18.4		446		394
BT004	LW2-GBT004	5.28 U		6.8	5.28 U		27.3		5.28 U	6.29	18.6		16.7	5.28 U		114		103
BT005	LW2-GBT005	67.4		107	4.95 U		489		56.4	90.4	274		269	77.8		1700		1660
BT0061	LW2-GBT006-1	171		222	5.21 U		849		83.9	165	364		370	170		3120		2290
BT0062	LW2-GBT006-2	299 T		381 T	5.09 UT		1610 T		157 T	322 T	666 T		686 T	328 T		5680 T		4260 T
BT007	LW2-GBT007	9.31		15.6	2.46 U		57.3		7.12	10.8	31		29.8	10.7		227		187
BT008	LW2-GBT008	158		243	6.87 U		989		115	185	518		487	172		3630		3070
BT009	LW2-GBT009	57.1		104	5.02 U		490		49.5	84.2	266		253	49.5		2020		1730
BT010	LW2-GBT010	18.1		41.2	5.19 U		171		21.9	33.6	105		106	18.8		612		606
BT011	LW2-GBT011	26.5		48.7	5 U		193		25.9	37.8	118		120	26.2		749		717
BT012	LW2-GBT012	44.1		105	4.83 U		418		57.1	75.7	259		253	49.7		1490		1550
BT013	LW2-GBT013	189		295	2.55 U		1330		128	229	623		627	187		4910		3960
BT014	LW2-GBT014	23.2		47.2	5.08 U		205		27.5	35.5	133		123	25.9		809		764
BT015	LW2-GBT015	37.6		75.2	5.13 U		321		41.6	57.1	202		191	42.4		1250		1190
BT016	LW2-GBT016	11700		15400	104		91900		12300	27200	79900		86200	5740		504000		499000
BT017	LW2-GBT017	121		192	7.97		775		96.4	155	412		410	123		2420		2350
BT018	LW2-GBT018	43.5		92.3	19		334		45.7	62.7	199		200	54.3		1330		1260
BT019	LW2-GBT019	32.9		66.8	5.11 U		274		35.1	49.1	169		164	33.7		1010		1020
BT020	LW2-GBT020	31.8		66.8	2.5 U		248		30.1	42.6	143		136	35.2		940		858
BT021	LW2-GBT021	26.6		57.9	2.53 U		249		32.3	45.9	150		156	25.9		836		906
BT022	LW2-GBT022	734		1120	3.49		4310		510	860	2280		2210	732		15400		13000
BT023	LW2-GBT023	245 T		381 T	4.81 UT		1500 T		162 T	285 T	743 T		724 T	250 T		5130 T		4250 T
BT024	LW2-GBT024	650		833	2.67		2510		274	445	848		688	817		11900		5610
BT025	LW2-GBT025	37.4		84.4	2.51 U		333		43.5	58.1	206		193	42		1260		1190
BT026	LW2-GBT026	1030		2040	12.4 U		10700		1350	2250	6890		7300	939		43500		41300
BT0271	LW2-GBT027-1	69.5		152	2.52 U		1010		86.9	153	674		762	50.8		3360		4390
BT0272	LW2-GBT027-2	33.6 T		99.4 T	2.52 UT		398 T		138 T	82.3 T	435 T		310 T	45.7 T		1870 T		1980 T
BT028	LW2-GBT028	1310		1790	10.5 J		7630		754	1490	3330		3700	1290		26700		21100
BT029	LW2-GBT029	92.5 T		201 T	2.48 UT		944 T		104 T	161 T	624 T		613 T	87.7 T		3620 T		3970 T
BT030	LW2-GBT030	180		248	2.56 U		1140		110	211	503		567	201		3960		3200
BT031	LW2-GBT031	15.7		28.9	2.48 U		126		17.3	24.2	87.4		90.9	17.5		512		498
BT032	LW2-GBT032	325		879	2.45 U		5220		530	825	3710		4280	231		20300		24100
BT033	LW2-GBT033	58.6		87.3	4.91 U		336		39.7	56.2	169		179	55.3		1460		976
U2C-2	LW2-U2C-2	63.5		126	2.51 U		502		47.9	93.2	331		326	66		1700		2190
U4Q-1	LW2-U4Q-1	7.57		12.1	1.24 U		53.6		8.61	9.88	29.6		20.7	9.55		237		156
02R001	LWG0102R001SDS015C00		12100 J	860	216	3980		139		760 J		3300 J	1380	841			249	
03R003	LWG0103R003SDS015C10		688 JT	38.7 T	7.21 T	230 T		10.6 T		34.8 JT		310 JT	100 T	17.4 T			8.38 JT	
03R004	LWG0103R004SDS015C11		15900 J	964	222	4930		168		858 J		4650 J	1880	752			252 J	

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Table C2-3b PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	59291-64-4	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB146_165	68194-13-8	PCB147_149	74472-41-6	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	60145-22-4	33979-03-2
	Chemical Name	PCB140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB146 & 165	PCB147	PCB147 & 149	PCB148	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB154	PCB155
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
G382	LW2-G382	366	5720		1290	9.7		5960	1700		200	244	8490	103	31200		1160	12.1
G386	LW2-G386	9.16	209		50.8	2.51 U		205	39.8		5.19	7.15	259	2.53	1110		32	2.51 U
G390	LW2-G390	326	7040		1780	15.7		6440	1270		108	93.3	8760	56.3	35400		767	11.6 U
G392	LW2-G392	23.2 T	533 T		133 T	2.53 UT		469 T	73.4 T		10.8 T	9.58 T	659 T	3.6 T	2670 T		63.2 T	2.53 UT
G399	LW2-G399	11.9	297		62.6	2.5 U		284	28.6		5.78	4.73	354	2.5 U	1480		35	2.5 U
G401	LW2-G401	8.77	243		47	2.54 U		236	30.1		5.04	4.49	289	2.54 U	1270		27.4	2.54 U
G402	LW2-G402	504	9120		2170	8.09		9560	2090		260	360	13800	154	51900		1930	4.91 U
G410-1	LW2-G410-1	8.9	241		51	2.48 U		224	39.9		4.61	4.94	282	2.48 U	1180		28.4	2.48 U
G416	LW2-G416	74	1280		302	2.5 U		1710	237		50.2	48.6	2170	12.9	7810		336	2.5 U
G417	LW2-G417	34.2	1980		453	2.49 U		1210	59.4		9.95	15.3	2550	4.3	7890		84.5	2.49 U
G424	LW2-G424	8.56	163		34.2	2.51 U		170	27.9		6.31	6.03	211	2.51 U	892		28.6	2.51 U
G426	LW2-G426	138 T	3280 T		653 T	4.9 JT		3330 T	461 T		72.2 T	66.4 T	3710 T	25.6 T	17500 T		438 T	3.56 JT
G434	LW2-G434	48.3	1030		194	2.53 U		1080	394		36.6	46.6	1470	32.4	5250		209	2.53 U
G438	LW2-G438	6.06	165		39.4	1.67 U		165	18.9		2.93	4.66	219	1.67 U	916		24	1.67 U
G439	LW2-G439	17.1 T	316 T		85.6 T	2.51 UT		338 T	61.5 T		9.45 T	8.1 T	493 T	3.07 T	1690 T		52 T	2.51 UT
G440	LW2-G440	10.2	297		61	2.44 U		286	35.9		6.11	5.4	343	2.44 U	1560		34	2.44 U
G446	LW2-G446	31.3	320		81.1	2.5 U		503	325		27.2	34	735	16	2370		150	2.5 U
G447	LW2-G447	19.6	402		101	2.5 U		336	55.6		6.45	5.55	538	2.61	1940		43.2	2.5 U
G448	LW2-G448	27.4	711		195	2.5 U		533	91.7		10.4	11.9	1090	4.08	3270		73.6	2.5 U
G452	LW2-G452	9.33	214		47	8.28 U		189	27.4		6.24 J	4.84 J	272	1.86 J	1130		27.9	8.28 U
G453	LW2-G453	3380	154000		37400	186		88500	6490		768	517	199000	376	647000		5960	121 U
G457	LW2-G457	22.1	753		177	12.4 U		569	61.7		10.3 J	8.44 J	809	3.92 J	3460		51	12.4 U
G461	LW2-G461	15.7	468		98.9	2.49 U		390	51		6.89	5.62	506	2.53	2300		38.9	2.49 U
G463	LW2-G463	22	239		59	2.53 U		312	52.2		14.6	9.75	332	2.53 U	1270		60.2	2.53 U
G473	LW2-G473	618	12400		4220	45.2		7690	2620		118	113	18000	129	57400		846	11.7 U
G477	LW2-G477	1050	17000		5350	143		13800	4170		270	344	19100	403	77500		1610	24.9 U
G481	LW2-G481	6.61	92.7		24.5	2.5 U		98.3	28.2		4.4	4.44	160	2.5 U	524		18.1	2.5 U
G485	LW2-G485	33.7	1810		303	2.48 U		1120	37.8		14.4	8.84	1550	2.48 U	7530		85.4	2.48 U
G486	LW2-G486	4.38	92.9		25.2	2.46 U		86.1	15.9		2.58	2.63	147	2.46 U	509		12.9	2.46 U
G490	LW2-G490	11.5	236		52.9	1.67 U		187	48.3		5.19	6.74	281	3.2	1170		28.4	1.67 U
G492-1	LW2-G492-1	128	2900		583	2.48 U		2700	254		61.2	64.1	4240	12.4	14400		443	2.87
G494	LW2-G494	298	7860		1870	4.97 U		6450	1450		192	277	11700	80.8	39000		1260	16.5
G496	LW2-G496	15.6	88		24.1	2.48 U		146	70.8		13.6	23	206	5.46	551		56.6	2.48 U
G500	LW2-G500	11.3	513		136	2.45 U		334	48		6.38	9.2	724	4.1	2360		37.3	2.45 U
G503	LW2-G503	105	5720		1680	4.82 U		2880	335		28.1	26.5	9040	23.3	24300		162	4.82 U
G506	LW2-G506	22.4	646		144	2.55 U		492	102		11.8	9.36	651	6.21	2900		58.9	2.55 U
G509	LW2-G509	7.12	189		48.3	2.5 U		163	44.2		7.06	8.3	283	3.4	966		25.8	2.5 U
G516	LW2-G516	35.9	216		56.8	3.57		328	345		63.3	59.3	429	13.1	1830		194	9.63
G518	LW2-G518	11.9	465		106	2.52 U		340	33.3		5.56	4.99	556	2.52 U	2140		34.1	2.52 U
G519-1	LW2-G519-1	10.7	286		65.4	4.99 U		250	41.3		4.99 U	4.99 U	309	4.99 U	1440		26.2	4.99 U
BT001	LW2-GBT001	5.64 U	216		47.4	4.89 U		160	30		4.89 U	4.89 U	202	4.89 U	952		12.7	4.89 U
BT002	LW2-GBT002	95.7	4000		1030	12.6		2280	492		12.3	19.7	4210	26.7	15900		151	5.06 U
BT003	LW2-GBT003	5.12 U	79.2		21.9	5.12 U		71.2	15.1		5.12 U	5.12 U	114	5.12 U	396		10.7 U	5.12 U
BT004	LW2-GBT004	5.28 U	22.7		6.87	5.28 U		17.5	5.28 U		5.28 U	5.28 U	31.8	5.28 U	103		5.28 U	5.28 U
BT005	LW2-GBT005	17.4	307		84.1	4.95 U		289	62.2		9.73	7.83	448	4.95 U	1640		50.1	4.95 U
BT0061	LW2-GBT006-1	15.5	539		127	5.21 U		358	82.9		5.21 U	5.21 U	539	5.21 U	2340		31.3	5.21 U
BT0062	LW2-GBT006-2	29.6 T	1030 T		251 T	5.09 UT		675 T	146 T		5.76 T	6.82 T	1020 T	6.21 T	4550 T		55.2 T	5.09 UT
BT007	LW2-GBT007	2.46 U	39.4		9.77	2.46 U		36.2	9.44		2.46 U	2.46 U	53.7	2.46 U	208		5.73	2.46 U
BT008	LW2-GBT008	30.5	620		165	6.87 U		570	134		16.3	14.1	807	7.46	3020		86.3	6.87 U
BT009	LW2-GBT009	10.2	437		102	5.02 U		299	44.1		5.02 U	5.02 U	519	5.02 U	1950		29.2	5.02 U
BT010	LW2-GBT010	6.28	115		29.8	5.19 U		119	20.1 U		5.19 U	5.19 U	184	5.19 U	640		19.3	5.19 U
BT011	LW2-GBT011	6.81	147		36	5 U		144	30.6		5 U	5 U	220	5 U	821		22.5	5 U
BT012	LW2-GBT012	19.6	261		72.4	4.83 U		333	38.3		11.6	8.76	452	4.83 U	1590		63.9	4.83 U
BT013	LW2-GBT013	31.6	1000		218	2.55 U		716	102		9.71	8.41	1090	5.09	4400		78.4	2.55 U
BT014	LW2-GBT014	7.64	166		41.2	5.08 U		143	24.3		5.08 U	5.08 U	236	5.08 U	848		24	5.08 U
BT015	LW2-GBT015	12.7	241		63.7	5.13 U		241	49		6.71	6.38 U	366	5.13 U	1300		41.9	5.13 U
BT016	LW2-GBT016	1480	138000		32000	197		73800	35400		2400	3560	219000	4340	620000		14700	495
BT017	LW2-GBT017	42.1	473		123	2.75		475	75.7		12.2	9.83	638	6.13	2360		85.3	2.75
BT018	LW2-GBT018	11.8	275		69.3	5.08 U		237	46.4		7.01	5.3 U	388	5.08 U	1390		31.6	5.08 U
BT019	LW2-GBT019	10.5	198		51.6	5.11 U		184	41.4		5.96	5.14	324	5.11 U	1020		32.4	5.11 U
BT020	LW2-GBT020	9.3	177		41.9	2.5 U		164	27.1		3.93	4.38	252	2.5 U	866		24.8	2.5 U
BT021	LW2-GBT021	9.76	170		46.4	2.53 U		178	24.5		5.51	4.04	264	2.53 U	940		29	2.53 U
BT022	LW2-GBT022	142	2650		686	5.16		2410	586		64.6	68.6	3450	24.6	13200		419	2.6
BT023	LW2-GBT023	43.1 T	859 T		211 T	4.81 UT		788 T	173 T		14.8 T	16.6 T	1060 T	8.11 T	4480 T		111 T	4.81 UT
BT024	LW2-GBT024	51.2	1730		320	2.9		1320	249		9.48	10.8	1160	7.07	8820		103	2.46 U
BT025	LW2-GBT025	13.6	238		61.3	2.51 U		267	52.7		8.68	7.05	371	2.7	1330		45	2.51 U
BT026	LW2-GBT026	419	9170		2230	8.71 J		8370	2980		272	411	14300	229	49400		1780	19.9
BT0271	LW2-GBT027-1	26.5	834		252	2.52 U		551	69.1		15.7	17.1	1410	3.31	3730		82.4	2.52 U
BT0272	LW2-GBT027-2	59.9 T	280 T		62.6 T	2.52 UT		840 T	255 T		54.4 T	47.3 T	678 T	7.18 T	2620 T		265 T	5.8 T
BT028	LW2-GBT028	136	5660		1390	13.5		3320	534		30.9	32.8	5910	27.5	21900		254	12.6 U
BT029	LW2-GBT029	34 T	835 T		218 T	2.48 UT		701 T	115 T		15.9 T	18.7 T	1280 T	6.96 T	4050 T		105 T	2.48 UT
BT030	LW2-GBT030	23.8	747		191	2.56 U		532	90.7		5.94	6.57	861	3.37 U	3500		51.6	2.56 U
BT031	LW2-GBT031	6.33	97.3		24	2.48 U		95.9	23.3		3.67	4.25	152	2.48 U	518		18.4	2.48 U
BT032	LW2-GBT032	165	5410		1310	2.45 U		3890	1210		107	183	8860	63.7	25000		770	10
BT033	LW2-GBT033	9.86	249		50.1	4.91 U		203	50.2		6.79	10	289	4.91 U	1180		31	4.91 U
U2C-2	LW2-U2C-2	17.7	309		103	2.51 U		269	55.9		5.2	4.95	579	2.51 U	1620		40.1	2.51 U
U4Q-1	LW2-U4Q-1	2.66	37.4		8.04	1.24 U		51	4.08		1.33	1.24 U	45.4	1.24 U	232		6.48	1.24 U
02R001	LWG0102R001SDS015C00		2180	0.672 U	562	9.25	1490			7290 J	10.2	12.7		22.3		7890 J		0.263 J
03R003	LWG0103R003SDS015C10		151 T	0.699 UT	42.3 T	0.354 UT	132 T			646 JT	1.16 T	0.872 T		0.545 T		644 JT		0.122 UT
03R004	LWG0103R004SDS015C11		2670	0.75 U	696	6.54	1770			12000 J	11.3	14.4		13		10600 J		0.341

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	38380-08-4	69782-90-7	74472-42-7	PCB158_160	39635-35-3	74472-43-8	39635-34-2	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	52663-71-5	PCB171_173	52663-74-8
	Chemical Name	PCB156	PCB157	PCB158	PCB158 & 160	PCB159	PCB161	PCB162	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171	PCB171 & 173	PCB172
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
G382	LW2-G382	2770	527		3360	380					82.8	1030	64.9	4.41 U	8420	2370		1280
G386	LW2-G386	95.3	18.9		115	13.7					3.23	38.6	2.51 U	0.719 U	278	83.7		49
G390	LW2-G390	4050	855		4510	369					149	1610	68.2	6.2 U	7910	2570		1450
G392	LW2-G392	239 T	45.1 T		290 T	32.8 T					7.79 T	97.8 T	4.82 T	1.14 UT	753 T	218 T		127 T
G399	LW2-G399	125	24.5		141	19.5					3.99	51.1	2.63	0.701 U	412	123		75.1
G401	LW2-G401	107	22.9		119	18.2					4.45	44.9	2.54 U	0.73 U	362	105		65
G402	LW2-G402	3350	452		3910	804					56.7	1440	116	4.2 U	22200	6240		3540
G410-1	LW2-G410-1	100	22.4		127	14.7					3.7	42.6	2.48 U	0.745 U	325	95.3		58.8
G416	LW2-G416	507	93.2		545	122					12.9	195	14.2	2.15 U	2460	731		436
G417	LW2-G417	289	52.8		569	164					3.32	202	6.55	8.38 J	3360	1030		732
G424	LW2-G424	75.6	14.9		80.7	17.3					2.51 U	32.1	2.51 U	0.858 U	442	114		69.2
G426	LW2-G426	1490 T	303 T		1740 T	233 T					48.4 T	656 T	30.9 T	5.35 UT	5510 T	1530 T		937 T
G434	LW2-G434	467	85.5		463	93.7					11.7	202	11.5	4.56 J	2440	588		454
G438	LW2-G438	58.1	10		64.8	17.1					1.67 U	25.7	1.74	0.492 U	330	97.7		58.1
G439	LW2-G439	124 T	30.4 T		150 T	22.7 T					4.5 T	58.6 T	3.32 T	0.789 UT	508 T	154 T		96.8 T
G440	LW2-G440	119	25		140	23.3					3.97	50.6	2.44 U	0.776 U	474	133		85.1
G446	LW2-G446	157	32.9		197	22.5					6.24	69	5.82	0.738 U	410	122		72.7
G447	LW2-G447	183	43.5		235	29.1					7.35	78	6.38	1.07 U	580	161		105
G448	LW2-G448	209	45.2		318	55.5					7.79	92.2	9.5	1.02 U	938	284		176
G452	LW2-G452	84.4	17.6		101	19.2					2.77 J	39.4	2.11 J	0.714 U	353	102		64.5
G453	LW2-G453	44200	7170		60800	10000					1270	16300	1110	29.5 U	213000	60600		38200
G457	LW2-G457	276	64.6		358	51.8					10.5 J	127	9.49 J	1.25 J	1090	321		196
G461	LW2-G461	194	46.8		240	34.9					7.77	86.2	3.69	1.4 U	710	194		129
G463	LW2-G463	136	28.9		147	13					5.49	56.2	3.24	0.601 U	272	77		47.1
G473	LW2-G473	6390	1730		8780	762					319	2770	146	10.4 U	13700	3800		2330
G477	LW2-G477	10300	2790		13000	1190					469	4670	247	87.9	16800	5220		5330
G481	LW2-G481	34.9	7.36		49.6	7.57					2.5 U	15.8	2.5 U	0.581 U	156	41.4		26.1
G485	LW2-G485	517	54.2		586	195					3.96	223	7.05	2 U	6100	1600		1090
G486	LW2-G486	35.5	8		47	7.05					2.46 U	16.5	2.46 U	0.611 U	132	38.1		24.1
G490	LW2-G490	135	28.9		150	15					4.73	53.1	4.48	1.08 U	383	100		62.6
G492-1	LW2-G492-1	512	67.1		888	265					6.76	263	22.7	2.19 U	5470	1490		984
G494	LW2-G494	1560	244		2660	670					24.8	832	61.4	6.87 J	14200	4060		2610
G496	LW2-G496	28.5	5.51		43.8	8.43					2.48 U	12.6	3.4	0.691 U	131	39.2		25.3
G500	LW2-G500	134	20.2		189	41.2					2.64	58.6	2.56	0.772 U	914	265		157
G503	LW2-G503	1040	126		1970	439					18.9	500	54.8	3.85 U	9800	2610		1600
G506	LW2-G506	366	82.1		399	28.2					15.4	135	4.45	0.87 U	642	184		110
G509	LW2-G509	59.1	10.4		80	15.1					2.5 U	25.5	2.5 U	0.611 U	305	90.4		54.9
G516	LW2-G516	72.3	22.2		105	94.5					2.49	34.2	8.65	0.648 U	335	127		99
G518	LW2-G518	166	28.6		221	30.2					4.26	72.7	2.52 U	0.81 U	823	227		121
G519-1	LW2-G519-1	164	35.7		169	19.5					6.22	63.7	4.99 U	0.793 U	384	103		67
BT001	LW2-GBT001	124	31.2		138	9.42					6.87	51.9	4.89 U	1.06 U	281	75.3		47.3
BT002	LW2-GBT002	2240	506		2380	164					107	821	22	2.38 U	4850	1390		819
BT003	LW2-GBT003	31.5	8.19		47	5.12 U					5.12 U	15.1	5.12 U	0.913 U	109	29.2		19.4
BT004	LW2-GBT004	7.39	1.93 J		11.9	5.28 U					5.28 U	3.88 J	5.28 U	0.829 U	30.4	8.42		5.88
BT005	LW2-GBT005	142	31.6		170	18.1					5.89	57.8	4.95 U	1.36 U	455	130		80.9
BT0061	LW2-GBT006-1	282	69		372	17.8					12.7	115	5.21 U	1.24 U	567	150		94.8
BT0062	LW2-GBT006-2	540 T	128 T		663 T	44.3 JT					26 T	220 T	7.87 T	1.5 UT	1230 JT	327 JT		211 JT
BT007	LW2-GBT007	19	4.9		23.9	2.89					2.46 U	8.54	2.46 U	0.449 U	65.2	18.4		11.6
BT008	LW2-GBT008	354	79.5		400	36.8					14.2	151	6.87 U	2.23 U	1130	303		181
BT009	LW2-GBT009	131	24.4		211	22.9					5.02 U	63.7	5.02 U	1.31 U	666	191		113
BT010	LW2-GBT010	38.9	8.46		56.1	8.86					5.19 U	19.3	5.19 U	1.02 U	185	53.5		34.2
BT011	LW2-GBT011	63	13.8		69.8	12.2					5 U	28.4	5 U	1.12 U	284	77.2		48.3
BT012	LW2-GBT012	99.9	19.9		116	22.4					4.83 U	43.3	4.83 U	1.16 U	442	137		91
BT013	LW2-GBT013	406	74.4		520	49.3					13.1	164	7.58	1.53 U	1700	450		272
BT014	LW2-GBT014	59.7	11.1		73.4	11					5.08 U	26.7	5.08 U	1.14 U	281	78.4		50.2
BT015	LW2-GBT015	89.2	18.8		115	18					5.13 U	40.1	5.13 U	1.34 U	416	111		74.6
BT016	LW2-GBT016	32300	1690		46900	8830					126	13600	1340	3.02 U	306000	76900		48600
BT017	LW2-GBT017	204	48.5		257	28.3					18.7	84.1	5.55	1.08 U	653	187		115
BT018	LW2-GBT018	101	21.8		126	23.7					22.3	45.7	5.08 U	1.61 U	449	134		89.4
BT019	LW2-GBT019	68.3	16.5		95.8	19.6					5.11 U	33.4	5.11 U	1.18 U	362	97.5		68.9
BT020	LW2-GBT020	66.3	14.7		90.3	10.8					2.68	32.3	2.5 U	0.761 U	272	74.7		52.2
BT021	LW2-GBT021	70	14.5		74.6	13.7					2.53 U	29.8	2.53 U	0.695 U	293	79.6		51.9
BT022	LW2-GBT022	1450	296		1690	99.9					57.3	582	28.4	1.93 U	3170	863		510
BT023	LW2-GBT023	492 T	103 T		563 T	35.1 T					20 T	193 T	9.3 T	1.57 UT	998 T	278 T		166 T
BT024	LW2-GBT024	1790	413		1490	57.3					62.7	643	13.4	1.05 U	2330	555		326
BT025	LW2-GBT025	87.3	18.1		112	17.3					2.93	38.8	3.36	0.885 U	405	112		75.3
BT026	LW2-GBT026	3170	392		4170	696					57.6	1310	116	3.06 U	18100	4810		2780
BT0271	LW2-GBT027-1	132	22.1		301	48.5					3.04	87.8	4.44	0.843 U	1220	376		204
BT0272	LW2-GBT027-2	120 T	20.3 T		130 T	77.2 T					3.29 T	54.6 T	12.4 T	0.766 UT	1530 T	362 T		285 T
BT028	LW2-GBT028	2400	485		3130	210					103	892	29.3	2.18 U	6080	1630		1050
BT029	LW2-GBT029	227 T	46.8 T		335 T	67.5 T					6.38 T	123 T	6.25 T	2.62 UT	1550 T	432 T		300 T
BT030	LW2-GBT030	346	79		457	32.7					14.5	151	4.84	0.931 U	867	229		138
BT031	LW2-GBT031	37.2	7.29		48.5	6.16					2.48 U	16.6	2.48 U	0.64 U	149	41.4		24.7
BT032	LW2-GBT032	774	122		1710	338					12.5	484	44	2.97 U	9640	2520		1710
BT033	LW2-GBT033	147	36.2		146	15.9					4.94	54.3	4.91 U	1 U	390	100		62.9
U2C-2	LW2-U2C-2	132	26.7		170	16.2					5.2	53	3.33	0.509 U	341	96.5		58.4
U4Q-1	LW2-U4Q-1	19.7	4.73		22	3.13					1.24 U	8.99	1.24 U	0.362 U	56	15.8		10.8
02R001	LWG0102R001SDS015C00	1500	365	1410		79.8	0.492 U	43.3	762	1.65		521		0.821 J	1990		622	354
03R003	LWG0103R003SDS015C10	43.9 T	10.1 T	66 T		7.51 T	0.46 UT	1.37 JT	53.8 T	0.524 UT		21.8 T		0.207 UT	231 T		79.5 JT	43.4 T
03R004	LWG0103R004SDS015C11	1580	401	1660		0.591 U	0.647 U	37.9	1130	2.13		614		1.18	4440		1340 J	737

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	68194-16-1	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	PCB182_187	52663-69-1	PCB183_185	74472-48-3	52712-05-7	74472-49-4
	Chemical Name	PCB173	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB182 & 187	PCB183	PCB183 & 185	PCB184	PCB185	PCB186
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
G382	LW2-G382	176	8410	357	1150	5170	1860	4130	19400		240		11100	5090		8.23	828	5 U
G386	LW2-G386	7.54	328	15.2	41.5	193	70.4	152	715		2.51 U		423	188		2.51 U	38.2	2.51 U
G390	LW2-G390	230	8820	505	1340	5300	1930	4070	18500		75.2		11600	5740		14.6	947	11.6 U
G392	LW2-G392	18.5 T	816 T	38.8 T	109 T	477 T	167 T	364 T	1840 T		7.88 T		1030 T	500 T		2.53 UT	89 T	2.53 UT
G399	LW2-G399	10.3	493	22.9	65.5	296	106	233	1060		2.57		655	283		2.5 U	54.8	2.5 U
G401	LW2-G401	9.1	417	19	50.9	235	88.3	189	922		13.5		536	226		2.54 U	48.5	2.54 U
G402	LW2-G402	472	21300	827	2580	13200	4000	9020	53400		437		24600	12100		13.9	2430	4.91 U
G410-1	LW2-G410-1	8.73	349	14.9	37.7	226	76.1	170	820		6.69		440	181		2.48 U	46	2.48 U
G416	LW2-G416	47.7	2760	211	344	1610	626	1370	6210		158		3630	1550		2.76	312	2.5 U
G417	LW2-G417	66.9	4800	207	596	2610	915	2130	9800		2.49 U		5470	2450		4.78	458	2.49 U
G424	LW2-G424	8.93	444	16.5	47.6	271	82	172	1030		2.51 U		508	222		2.51 U	48.2	2.51 U
G426	LW2-G426	130 T	5220 T	250 T	707 T	3570 T	1200 T	2520 T	13100 T		51.5 JT		7250 T	3230 T		6.06 JT	606 T	12.5 UT
G434	LW2-G434	44	2510	2.53 U	243	1450	509	1000	6560		46.6		3180	1230		3.73	283	2.53 U
G438	LW2-G438	7.5	387	16.5	48.1	220	78	183	860		1.95		505	224		1.67 U	42.5	1.67 U
G439	LW2-G439	12.4 T	630 T	26.4 T	80.5 T	385 T	140 T	333 T	1380 T		5.18 T		878 T	360 T		2.51 UT	75.3 T	2.51 UT
G440	LW2-G440	10.9	561	21.8	69.2	327	122	263	1220		5.77		744	304		2.44 U	64.5	2.44 U
G446	LW2-G446	9.85	472	21.6	65	290	127	257	1010		4		717	275		2.5 U	50.6	2.5 U
G447	LW2-G447	14.8	698	31.2	92.1	398	149	334	1540		12.1		965	400		2.5 U	77.7	2.5 U
G448	LW2-G448	23.2	1270	57.2	189	723	297	730	2670		23.9		1880	779		2.5 U	164	2.5 U
G452	LW2-G452	10	425	19.1	56.9	264	102	217	932		8.28 U		616	250		8.28 U	50.6	8.28 U
G453	LW2-G453	5300	284000	10400	36200	155000	52400	133000	583000		2580		332000	149000		121 U	33300	121 U
G457	LW2-G457	28.9	1340	58.1	174	748	277	640	2910		15.4		1750	788		12.4 U	160	12.4 U
G461	LW2-G461	16.3	833	37.3	104	466	173	390	1900		10.9		1110	473		2.49 U	98.5	2.49 U
G463	LW2-G463	7.08	295	12.7	38.8	200	78.9	160	645		2.76		422	162		2.53 U	30.7	2.53 U
G473	LW2-G473	346	17000	849	2430	8610	3730	9390	41800		228		28800	12000		22.2	2210	12.8
G477	LW2-G477	503	22400	1760	3280	10900	5420	11300	53200		521		38500	16600		147	2800	74.3
G481	LW2-G481	3.16	169	8.29	24.3	104	47.4	91.7	390		2.5 U		275	111		2.5 U	18.1	2.5 U
G485	LW2-G485	139	6390	274	711	3210	1070	2150	15400		231		6870	3540		2.48 U	774	2.48 U
G486	LW2-G486	3.53	153	7.58	20.9	97.8	40.8	85.6	353		2.46 U		249	96.6		2.46 U	19.3	2.46 U
G490	LW2-G490	8.7	376	17.2	48.5	230	89.6	183	930		6.54		524	236		1.67 U	42.5	1.67 U
G492-1	LW2-G492-1	119	6710	245	827	4020	1440	3270	15100		2.48 U		9030	3640		3.31	788	2.48 U
G494	LW2-G494	344	16900	723	2120	10100	3520	8220	39000		4.97 U		21400	9320		9.46	2130	4.97 U
G496	LW2-G496	3.34	168	8.31	26	116	55.2	111	351		3.62		298	102		2.48 U	17.2	2.48 U
G500	LW2-G500	21.6	1090	45.8	141	621	230	524	2420		30.7		1390	634		2.45 U	132	2.45 U
G503	LW2-G503	213	11900	524	1530	6690	2240	5510	26700		84.4		15200	7180		4.82 U	1340	4.82 U
G506	LW2-G506	17.2	717	31.1	94	427	150	352	1520		6.34		914	391		2.55 U	82.4	2.55 U
G509	LW2-G509	7.12	344	15.4	44.6	215	89.8	185	806		12.4		491	207		2.5 U	43.6	2.5 U
G516	LW2-G516	8.42	464	26.1	148	677	532	537	913		2.95		3070	244		7.17	48.1	2.48 U
G518	LW2-G518	16.5	838	2.52 U	95.7	482	141	328	1940		2.52 U		916	459		2.52 U	88.6	2.52 U
G519-1	LW2-G519-1	9.28	438	16.7	39.5	262	85.3	180	993		4.99 U		502	209		4.99 U	50.8	4.99 U
BT001	LW2-GBT001	7.49	305	13.2	38.7	174	61.1	129	674		4.89 U		362	166		4.89 U	32.4	4.89 U
BT002	LW2-GBT002	138	5470	259	722	3030	1050	2530	11800		30.6		6860	3330		5.06 U	678	5.06 U
BT003	LW2-GBT003	5.12 U	121	6.21	16.9	72.4	30.9	61	258		5.12 U		168	74		5.12 U	13.2	5.12 U
BT004	LW2-GBT004	5.28 U	32	5.28 U	5.4	20.3	8.93	18.4	74.4		5.28 U		48.7	22		5.28 U	5.28 U	5.28 U
BT005	LW2-GBT005	11.1	528	23.5	71	313	112	253	1170		4.95 U		692	297		4.95 U	56.5	4.95 U
BT0061	LW2-GBT006-1	15.8	588	30.1	78.7	336	122	265	1340		5.21 U		773	367		5.21 U	66.9	5.21 U
BT0062	LW2-GBT006-2	31.1 T	1410 JT	60.4 JT	162 JT	768 JT	266 JT	592 JT	3270 JT		10.7 T		1810 JT	797 JT		5.09 UT	162 JT	5.09 UT
BT007	LW2-GBT007	2.46 U	71	3.29	9.3	43	16.3	36	164		2.46 U		107	46.5		2.46 U	8.46	2.46 U
BT008	LW2-GBT008	25.2	1060	46.4	125	685	221	458	2610		8.39		1340	611		6.87 U	120	6.87 U
BT009	LW2-GBT009	17.1	730	36	96.3	423	149	335	1690		5.02 U		948	468		5.02 U	82.5	5.02 U
BT010	LW2-GBT010	5.19 U	229	9.91	29.8	130	52	116	479		5.19 U		315	129		5.19 U	23.8	5.19 U
BT011	LW2-GBT011	6.51	316	13.9	38.3	195	78	161	701		5 U		455	191		5 U	38.2	5 U
BT012	LW2-GBT012	10.9	600	28.5	84.5	334	144	295	1280		6.71		880	346		4.83 U	65.4	4.83 U
BT013	LW2-GBT013	38.4	1690	79.5	217	993	325	708	4210		8.21		2110	1080		2.55 U	180	2.55 U
BT014	LW2-GBT014	7.41	322	15.5	44.6	183	78.2	160	739		5.08 U		476	211		5.08 U	37.5	5.08 U
BT015	LW2-GBT015	10.7	476	22.7	61.8	280	114	232	1060		9.46		692	290		5.13 U	52.7	5.13 U
BT016	LW2-GBT016	6920	312000	15000	43800	175000	69600	155000	784000		927		428000	217000		131	34700	49.3
BT017	LW2-GBT017	19.8	725	40.8	112	437	181	374	1640		47.8		1090	478		5.06	94.9	3.28
BT018	LW2-GBT018	22.1	540	31.8	84.2	318	139	280	1220		91.6		813	344		5.08 U	85.4	5.08 U
BT019	LW2-GBT019	8.45	453	22.1	61	258	119	263	1090		5.11 U		809	303		5.11 U	58.1	5.11 U
BT020	LW2-GBT020	6.79	330	16.4	43.9	190	81.3	171	733		2.5 U		508	204		2.5 U	35.9	2.5 U
BT021	LW2-GBT021	6.47	340	16.1	47.4	197	81	175	747		2.53 U		478	202		2.53 U	38	2.53 U
BT022	LW2-GBT022	80.3	3070	165	470	1930	775	1650	6920		27.6		4560	2090		3.96	303	2.49 U
BT023	LW2-GBT023	26.2 T	1010 T	53.9 T	146 T	615 T	235 T	499 T	2280 T		8.91 T		1400 T	647 T		4.81 UT	107 T	4.81 UT
BT024	LW2-GBT024	52.1	1740	82.8	213	1040	317	644	4570		28.6		2050	1090		2.46 U	172	2.46 U
BT025	LW2-GBT025	8.85	490	23.2	69.4	291	125	261	1100		2.51 U		752	299		2.51 U	51.9	2.51 U
BT026	LW2-GBT026	405	17300	829	2530	10600	3860	8860	42800		72.7		23600	12000		13.2	1850	12.4 U
BT0271	LW2-GBT027-1	32.7	1540	74.6	250	882	334	912	3190		4.59		2120	991		2.52 U	179	2.52 U
BT0272	LW2-GBT027-2	25.4 T	1340 T	67.6 T	177 T	1190 T	621 T	1010 T	4210 T		5.43 JT		3210 T	913 T		4.34 T	140 T	2.52 UT
BT028	LW2-GBT028	158	6780	352	1020	3740	1510	3480	15300		35.9		9500	4470		4.36 J	782	12.6 U
BT029	LW2-GBT029	31.9 T	1840 T	92.1 T	243 T	1050 T	411 T	878 T	4190 T		5.12 T		2540 T	1130 T		1.8 JT	182 T	2.48 UT
BT030	LW2-GBT030	21.3	889	42.7	117	500	183	416	2210		7.39		1200	563		2.56 U	101	2.56 U
BT031	LW2-GBT031	3.74	168	8.15	22.6	102	43.1	90.3	361		2.48 U		246	100		2.48 U	19.1	2.48 U
BT032	LW2-GBT032	212	11600	524	1590	6450	2610	5970	27400		25.8		16500	7060		5.97	1350	2.45 U
BT033	LW2-GBT033	9.58	408	18.9	51.6	246	98.6	202	948		4.91 U		657	240		4.91 U	45.5	4.91 U
U2C-2	LW2-U2C-2	8.79	433	21.6	67.4	239	97.9	237	830		3.61		608	263		2.51 U	43.8	2.51 U
U4Q-1	LW2-U4Q-1	1.48	59.2	2.55	6.37	43.1	15.9	29.3	139		1.24 U		90.9	32		1.24 U	7.74	1.24 U
02R001	LWG0102R001SDS015C00		2040	80.6	242	1140	354	719		3980 J	25.1	8.72			1240	0.75		0.304 U
03R003	LWG0103R003SDS015C10		284 T	11.4 T	36.3 T	154 T	52.6 T	113 T		539 JT	1.53 T	1.27 T			188 JT	0.32 UT		0.308 UT
03R004	LWG0103R004SDS015C11		4560	184	532	2490	835	1660		8080 J	40.8	15.9			3070 J	1.57		0.444 U

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	69782-91-8	35694-08-7	52663-78-2	42740-50-1	PCB196_203	33091-17-7	PCB197_200	68194-17-2	PCB198_199	52663-75-9	52663-73-7
	Chemical Name	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB193	PCB194	PCB195	PCB196	PCB196 & 203	PCB197	PCB197 & 200	PCB198	PCB198 & 199	PCB199	PCB200
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
G382	LW2-G382		43.6	329	1620	320	5 U	927	3680	1650		4360	154		380		3300	461
G386	LW2-G386		2.51 U	11.7	61.6	12.2	2.51 U	35.2	179	67.2		226	7.78		12.7		192	24.9
G390	LW2-G390		45.7	344	1560	364	11.6 U	907	3830	1560		5000	215		205		4830	515
G392	LW2-G392		2.53 UT	30.6 JT	151 T	30.4 T	2.53 UT	84.7 T	370 T	160 T		481 T	16.5 T		27 T		410 T	53.2 T
G399	LW2-G399		2.5 U	16.2	84	15.8	2.5 U	49.8	245	104		252	8.78		13.1		238	30.1
G401	LW2-G401		2.54 U	12.5	69.9	12.9	2.54 U	41.4	226	92.4		269	8.3		17.5		281	31.5
G402	LW2-G402		65.9	927	4470	847	4.91 U	2390	12400	5980		11700	442		1040		8490	1310
G410-1	LW2-G410-1		2.48 U	12.2	68.5	10.9	2.48 U	38.2	202	88		186	6.84		14.5		168	21.3
G416	LW2-G416		11	84	454	76.6	2.5 U	273	1370	637		1350	53.4		246		1090	173
G417	LW2-G417		8.6	109	656	145	2.49 U	461	2260	873		2100	86.5		93.5		2200	258
G424	LW2-G424		2.51 U	16.1	86.7	14.7	2.51 U	48.5	307	131		294	9.81		13.4		257	33.9
G426	LW2-G426		17.8 T	210 T	1100 T	202 T	12.5 UT	617 T	2930 T	1310 T		3040 T	102 T		225 T		2600 T	341 T
G434	LW2-G434		15.7	75.1	477	90.6	2.53 U	299	1300	641		1630	53.7		159		1500	191
G438	LW2-G438		1.67 U	12.6	59.5	11.4	1.67 U	38.2	204	85.4		210	7.81		13.6		196	26.1
G439	LW2-G439		2.51 UT	18.2 T	101 T	19.2 T	2.51 UT	66 T	360 T	145 T		417 T	13.8 T		20.2 T		404 T	51.6 T
G440	LW2-G440		2.44 U	17.4	96.3	17.9	2.44 U	58	304	122		358	11.4		19.7		329	39.8
G446	LW2-G446		4.97	16.7	81.9	15.9	2.5 U	49.8	194	87.8		247	8.68		11.6		224	28.7
G447	LW2-G447		2.5 U	22.2	116	22.6	2.5 U	71.5	409	152		548	15.9		27.2		515	60.2
G448	LW2-G448		3.06	31.7	203	35.5	2.5 U	126	586	262		727	25.8		45.1		662	90.5
G452	LW2-G452		8.28 U	13.6	75.5	13.3	8.28 U	46.5	230	105		266	8.12 J		12.9		239	28.2
G453	LW2-G453		121 U	7010	45000	8950	121 U	26900	128000	63500		149000	5020		7420		148000	19200
G457	LW2-G457		12.4 U	39.7	221	43.7	12.4 U	133	720	302		897	29.1		47.2		823	103
G461	LW2-G461		2.49 U	26.6	148	26.6	2.49 U	82.8	491	186		592	17		37.3		541	64.6
G463	LW2-G463		2.53 U	11.3	54.9	10.9	2.53 U	33.2	122	52.1		137	5.1		6.36		128	16.6
G473	LW2-G473		38.8	544	2960	564	12.1	1670	17300	4710		26900	547		1020		25100	2600
G477	LW2-G477		242	1580	3140	797	47.6	2120	27900	6940		46300	1230		2330		45400	4650
G481	LW2-G481		2.5 U	5.75	33.2	6.26	2.5 U	20.3	85.3	36.7		116	3.55		4.88		106	12.6
G485	LW2-G485		2.7	246	1340	253	2.48 U	694	4250	1940		4440	149		237		3650	540
G486	LW2-G486		2.46 U	4.33 U	28.3	4.57	2.46 U	17.6	83.3	35.5		103	3.42		4.86		110	12.8
G490	LW2-G490		1.73	15.4	79.6	13.9	1.67 U	43.8	206	95.1		239	8.15		16.9		196	26.6
G492-1	LW2-G492-1		13.9	183	1190	199	2.48 U	718	3440	1530		3500	111		164		2970	392
G494	LW2-G494		53.8	483	3000	516	4.97 U	1830	9040	4210		7670	270		385		6800	979
G496	LW2-G496		3.13	5.25	27.9	6.35	2.48 U	22.3	96.3	41.4		127	4.59		5.05		116	14.6
G500	LW2-G500		2.45 U	32.2	191	35.8	2.45 U	109	543	248		536	19		28.7		465	63.6
G503	LW2-G503		8.21	305	2030	379	4.82 U	1190	5470	2310		7320	220		322		6250	801
G506	LW2-G506		2.55 U	23	125	23.5	2.55 U	65.7	343	137		396	12.7		14.6		385	46.8
G509	LW2-G509		2.9	11.4	66.1	10.1	2.5 U	41.5	180	81.1		185	7.32		9.05		168	22
G516	LW2-G516		29.7	14.2	69.9	14.1	2.48 U	202	676	254		747	86.1		27.7		1120	66.4
G518	LW2-G518		2.52 U	29.7	153	29.6	2.52 U	80.5	390	169		408	13.2		27.8		324	45.9
G519-1	LW2-G519-1		4.99 U	14.3	82.2	12.6	4.99 U	48.1	263	99.7		329	9.68		17.6		322	36
BT001	LW2-GBT001		4.89 U	11.1	59.5	10.1 U	4.89 U	30.1	151	63.7		180	6.35		10.3		171	21.6
BT002	LW2-GBT002		5.06 U	183	1030	182	5.06 U	523	2440	1060		3020	99.7		151		2640	392
BT003	LW2-GBT003		5.12 U	4.11 J	22.9	5.12 U	5.12 U	14.1	52.8	22.6		65.1	5.12 U		5.12 U		63.4	8.15
BT004	LW2-GBT004		5.28 U	1.13 J	6.72	5.28 U	5.28 U	5.28 U	16.4	6.31		22.1	5.28 U		5.28 U		20.3	5.28 U
BT005	LW2-GBT005		4.95 U	16.6	94.7	18.3	4.95 U	57.7	263	101		321	11		13.7		292	34.7
BT0061	LW2-GBT006-1		5.21 U	21.8	117	22.3	5.21 U	57.4	304	120		393	11.3		18		365	44.2
BT0062	LW2-GBT006-2		5.09 UT	48.2 T	253 JT	46.4 JT	5.09 UT	144 JT	981 JT	345 JT		1080 JT	28.4 JT		46.9 JT		1050 JT	119 JT
BT007	LW2-GBT007		2.46 U	2.91	14.4	2.59	2.46 U	8.28	42.2	16		56.1	2.46 U		2.72		54.9	6.21
BT008	LW2-GBT008		6.87 U	47	216	41.6	6.87 U	121	627	235		729	21.7		30.1		658	75
BT009	LW2-GBT009		5.02 U	25.4	138	27.8	5.02 U	77.1	322	131		396	12.7		18.3		343	45.2
BT010	LW2-GBT010		5.19 U	6.94	37.3	8.48	5.19 U	26.2	106	44.2		135	5.19 U		6.54		136	16.6
BT011	LW2-GBT011		5 U	10.2	59.2	11.4	5 U	35.4	176	71.1		215	7.41		10.1		197	24
BT012	LW2-GBT012		4.83 U	16.7	90.4	18.2	4.83 U	63.9	318	119		491	15.1		24.2		520	52.3
BT013	LW2-GBT013		2.55 U	67.9	352	68.8	2.55 U	181	951	402		1090	36.6		52.6		880	113
BT014	LW2-GBT014		5.08 U	10.9	59.6	11.9	5.08 U	35.7	161	67.9		230	7.63		11.8		222	23.2 U
BT015	LW2-GBT015		5.13 U	16	87.2	17.3	5.13 U	53.8	264	108		371	11.7		18.9		360	43.9
BT016	LW2-GBT016		616	11400	62900	12000	60.4	35700	167000	69400		204000	6300		9100		166000	21100
BT017	LW2-GBT017		2.46 U	30.2	144	27.6	2.46 U	85.7	401	188		663	26.2		37		581	78.4
BT018	LW2-GBT018		5.08 U	20	112	21.2	5.08 U	60.8	327	165		520	20.4		41.1		478	72
BT019	LW2-GBT019		5.11 U	13	77	14.9	5.11 U	49.4	332	112		524	13.9		23		494	55.8
BT020	LW2-GBT020		2.5 U	10.5	55.1	11.5	2.5 U	36.3	174	62		261	7.37		13.6		249	28.1
BT021	LW2-GBT021		2.53 U	10.1	61.7	11.2	2.53 U	36.4	169	67.3		231	8.61		11.2		221	27
BT022	LW2-GBT022		13.1	129	603	124	2.49 U	335	1240	534		1730	54.4		87.4		1490	185
BT023	LW2-GBT023		4.81 UT	41.7 T	193 T	41 T	4.81 UT	109 T	475 T	192 T		691 T	21.8 T		32.8 T		609 T	73.5 T
BT024	LW2-GBT024		2.56	111	434	78.3	2.46 U	183	1010	367		1350	33.4		58.5		1260	133
BT025	LW2-GBT025		2.51 U	15.1	82.7	16.5	2.51 U	53.8	262	95.9		387	10.7		17.4		372	42.2
BT026	LW2-GBT026		70.5	714	3770	723	12.4 U	2000	8120	3790		12600	412		565		9670	1310
BT0271	LW2-GBT027-1		3.22	42.5	245	48.6	2.52 U	144	624	246		836	27.7		41.5		741	105
BT0272	LW2-GBT027-2		24.6 T	71 T	330 T	64.8 T	2.52 UT	251 T	1500 T	571 T		1830 T	61.5 T		80.5 T		1580 T	183 T
BT028	LW2-GBT028		7.93 J	242	1280	256	12.6 U	692	3470	1390		4810	138		260		4310	497
BT029	LW2-GBT029		5.22 T	56.3 T	309 T	64.4 T	2.48 UT	199 T	934 T	364 T		1250 T	41 T		55.3 T		1180 T	128 T
BT030	LW2-GBT030		2.56 U	36.9	181	35	2.56 U	93.3	485	167		729	18.7		30.5		656	69.4
BT031	LW2-GBT031		2.48 U	5.78	31.2	5.86	2.48 U	18.8	76.8	30.5		100	3.38		5.48		90.5	11.5
BT032	LW2-GBT032		39.4	327	2040	392	2.45 U	1280	6090	2460		7970	224		349		6970	833
BT033	LW2-GBT033		4.91 U	15.6	78.7	15.4	4.91 U	46.4	435	98.3		1020	9.72		20.2		1480	72.8
U2C-2	LW2-U2C-2		2.51 U	12.5	68.2	13.5	2.51 U	40.8	155	61.3		221	7.27		10.4		211	27.6
U4Q-1	LW2-U4Q-1		1.24 U	2.04	13.5	1.96	1.24 U	7.6	30.4	13.2		33.8	1.24 U		1.72		31.6	3.93
02R001	LWG0102R001SDS015C00	2090	1.51	84	418	83.9	0.285 U		733	333	488			173 J		1050 J		
03R003	LWG0103R003SDS015C10	323 T	0.322 UT	7.84 T	45.7 T	10.1 T	0.288 UT		95.7 T	41.8 T	64.5 T			24.3 JT		129 JT		
03R004	LWG0103R004SDS015C11	4380	2.74	147	916	191	0.416 U		1820	775	1320			417 J		3020 J		

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
G382	LW2-G382	503	746		5 U	154	1350	153	313	339	466000
G386	LW2-G386	27.1	45.3		2.51 U	8.77	121	14.5	30	59.9	18500
G390	LW2-G390	874	1450		11.6 U	194	2270	248	543	381	725000
G392	LW2-G392	53.7 T	82.2 T		2.53 UT	16.8 T	207 T	23.9 T	59.4 T	162 T	40500 T
G399	LW2-G399	34	56.6		2.5 U	10.2	167	16.7	46.2	165	38000
G401	LW2-G401	35.4	72.4		2.54 U	8.98	277	24.4	83	178	29400
G402	LW2-G402	1430	1870		4.91 U	570	3030	369	613	521	656000
G410-1	LW2-G410-1	28.6	48.9		2.48 U	7.69	126	14.3	35.2	121	21700
G416	LW2-G416	207	344		2.5 U	55.8	827	80.8	241	431	124000
G417	LW2-G417	314	434		2.49 U	87.5	450	57.1	86.1	67	90100
G424	LW2-G424	35.3	51.4		2.51 U	13.1	106	12.5	23.6	75.3	15400
G426	LW2-G426	366 T	567 T		12.5 UT	127 T	1210 T	138 T	293 T	486 T	256000 T
G434	LW2-G434	204	312		2.53 U	50.3	529	67.2	142	876	101000
G438	LW2-G438	29.7	50.4		1.67 U	8.12	191	18.3	63.9	322	12700
G439	LW2-G439	58.8 T	102 T		2.51 UT	13.8 T	249 T	29.8 T	69.2 T	213 T	30900 T
G440	LW2-G440	44.1	75.7		2.44 U	13	254	24.9	77.6	372	36800
G446	LW2-G446	30.9	51.8		2.5 U	8.41	71.5	9.84	19.4	27.2	108000
G447	LW2-G447	65.5	115		2.5 U	16.8	377	38.2	108	342	50400
G448	LW2-G448	106	180		2.5 U	21.3	544	52.7	176	824	90700
G452	LW2-G452	33.5	63.9		8.28 U	10.5	197	20.5	57.6	152	22000
G453	LW2-G453	19200	30400		121 U	6040	165000	13200	59400	327000	35400000
G457	LW2-G457	110	187		12.4 U	31	613	59.1	190	698	115000
G461	LW2-G461	70.3	121		2.49 U	18.3	361	37	96.9	294	65700
G463	LW2-G463	18.2	29.3		2.53 U	5.71	49.9	5.6	13.3	37.5	19600
G473	LW2-G473	2700	4990		11.7 U	582	18400	1940	3820	6400	2510000
G477	LW2-G477	5480	9000		139	852	27800	3400	5960	5820	1880000
G481	LW2-G481	12.8	21		2.5 U	4.02	40.9	4.98	11.9	37.8	9620
G485	LW2-G485	482	581		2.48 U	206	993	131	171	408	115000
G486	LW2-G486	13.3	27.5		2.46 U	3.58	74.5	7.8	23.4	62.7	8890
G490	LW2-G490	28.7	44.5		1.67 U	7.4	80.1	9.8	20.3	56.2	20900
G492-1	LW2-G492-1	425	609		2.48 U	144	751	91.3	131	101	188000
G494	LW2-G494	1030	1410		4.97 U	371	2070	242	340	133	524000
G496	LW2-G496	15.6	24.7		2.48 U	4.65	47.3	5.79	10.5	21.6	13000
G500	LW2-G500	67.3	93.6		2.45 U	23.9	137	17.6	28.2	41.9	30400
G503	LW2-G503	789	1090		4.82 U	233	1570	215	326	540	338000
G506	LW2-G506	53.7	102		2.55 U	12.8	255	26.2	73.3	109	62200
G509	LW2-G509	26.7	43.3		2.5 U	7.48	74.2	9	16.8	47.7	15400
G516	LW2-G516	255	312		2.48 U	32.9	381	51.8	64.9	61.1	32200
G518	LW2-G518	45.9	68		2.52 U	15.7	151	16.7	34.4	112	30500
G519-1	LW2-G519-1	41.1	67		4.99 U	10.3	216	20	59.7	159	55300
BT001	LW2-GBT001	21	31.3		4.89 U	7.9	59.1	7.79	15.9	32.3	47000
BT002	LW2-GBT002	377	546		5.06 U	108	906	123	236	268	848000
BT003	LW2-GBT003	6.95	12.2		5.12 U	5.12 U	29.5	5.12 U	7.8	23.4	7080
BT004	LW2-GBT004	5.28 U	5.28 U		5.28 U	5.28 U	11.1	5.28 U	5.28 U	10.3	1830
BT005	LW2-GBT005	38.1	60.6		4.95 U	12.2	191	18.5	55.5	148	34200
BT0061	LW2-GBT006-1	43.7	68.6		5.21 U	13.3	168	18.2	39.3	54.8	48600
BT0062	LW2-GBT006-2	114 JT	181 JT		5.09 UT	41.1 JT	471 JT	50.9 JT	99.5 JT	163 T	94500 T
BT007	LW2-GBT007	6.37	10.5		2.46 U	2.46 U	42.5	3.45	12.3	32.9	4890
BT008	LW2-GBT008	30.2	130		6.87 U	28.3	383	46.8	97.7	787	69200
BT009	LW2-GBT009	46.4	67.4		5.02 U	15.8	130	15.4	34.1	85.7	34900
BT010	LW2-GBT010	15.5	27.3		5.19 U	5.19 U	88.3	7.97	24.8	84.7	12300
BT011	LW2-GBT011	25.9	42		5 U	8.96	118	11.5	31.1	155	15100
BT012	LW2-GBT012	57.9	116		4.83 U	14.3	607	56.2	227	1070	35100
BT013	LW2-GBT013	111	141		2.55 U	45.1	320	32.4	83	146	67700
BT014	LW2-GBT014	24.1	42.6		5.08 U	8.28	117	11.8	32.4	120	15500
BT015	LW2-GBT015	41	66.4		5.13 U	12.4	182	23	51.9	194	24300
BT016	LW2-GBT016	19600	23800		41.9	7520	29200	3610	4240	2080	8100000
BT017	LW2-GBT017	72.7	104		5.69	22.8	345	57.7	79.8	384	268000
BT018	LW2-GBT018	59.8	133		7.3	22.4	743	77.1	180	1480	33900
BT019	LW2-GBT019	59	103		5.11 U	13.8	213	27	51.5	124	18700
BT020	LW2-GBT020	27.4	47.5		2.5 U	7.95	127	15.9	38.5	201	19400
BT021	LW2-GBT021	28.2	45.1		2.53 U	7.72	140	22.3	42.4	385	26300
BT022	LW2-GBT022	183	281		2.49 U	56.4	528	59.1	131	267	218000
BT023	LW2-GBT023	74.9 T	116 T		4.81 UT	23.8 T	230 T	27.2 T	58.2 T	124 T	81700 T
BT024	LW2-GBT024	125	194		2.46 U	42.4	694	65.1	179	543	116000
BT025	LW2-GBT025	40.7	65.5		2.51 U	11.7	152	18.5	41.5	151	24500
BT026	LW2-GBT026	1260	1510		12.4 U	366	1990	252	402	616	596000
BT0271	LW2-GBT027-1	97.3	148		2.52 U	28.6	221	25.7	53.1	105	45600
BT0272	LW2-GBT027-2	199 T	264 T		2.52 UT	69.2 T	357 T	47.7 T	64.8 T	94.6 T	42900 T
BT028	LW2-GBT028	491	751		12.6 U	159	3300	298	1130	6190	1540000
BT029	LW2-GBT029	141 T	197 T		2.48 UT	37.1 T	283 T	33.5 T	65.2 T	108 T	52500 T
BT030	LW2-GBT030	75.2	129		2.56 U	19.3	330	34.5	80.4	154	60800
BT031	LW2-GBT031	11.8	18.8		2.48 U	3.77	34.5	4.28	9.39	28.5	7920
BT032	LW2-GBT032	763	1060		2.45 U	260	1260	159	206	98.3	366000
BT033	LW2-GBT033	83	321		4.91 U	10.9	3130	234	1080	688	28000
U2C-2	LW2-U2C-2	26	40.9		2.51 U	7.42	72.7	9.59	19.2	41.6	31000
U4Q-1	LW2-U4Q-1	4.5	9.56		1.24 U	1.39	24.1	2.91	7.94	34.7	3900
02R001	LWG0102R001SDS015C00	124	158	603	0.276 U	42	289	40.4	86	118	544000 JT
03R003	LWG0103R003SDS015C10	16.9 T	23.1 T	81.3 T	0.28 UT	5.21 T	45 T	5.72 T	17.4 T	42.1 T	9040 JT
03R004	LWG0103R004SDS015C11	342	448	1850	0.689	99.3	1130	142	328	284	699000 JT

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	PCB110_115	39635-32-0	PCB111_115	74472-36-9	68194-10-5	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	70424-70-3	57465-28-8	39635-33-1	38380-07-3	PCB128_162	PCB128_166
	Chemical Name	PCB110 & 115	PCB111	PCB111 & 115	PCB112	PCB113	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB124	PCB126	PCB127	PCB128	PCB128 & 162	PCB128 & 166
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																		
03R005	LWG0103R005SDS015C00	302000 J	15.6		11.1 U		3000	170000 J		185	11.5 U	2100	2900		225	632			42000 J
06R002	LWG0106R002SDS015C10	943 J	2.32		0.354 U		11.7	657		7.31	10.3	6.79	12.4		2.87	1.81			237 J
06R002	LWG0106R002SDS015C20	962 J	3.04 U		2.02 U		11.4	742		11.5	9.9	7.88	13.9		2.47	4.12 U			408 J
06R002	LWG0106R002SDS015C31	705 JT	1.67 T		34.7 T		7.05 T	520 T		5.68 T	6.12 T	5.23 T	10.3 T		2.44 T	1.92 T			228 JT
06R004	LWG0106R004SDS015C00	3170 J	0.449 U		0.298 U		56.7	2360		1.43	0.568 U	27	38.8		2.83	5.62			476 J
07R006	LWG0107R006SDS015C00	18700 J	10.8 J		8.94 U		786	15200		33.2	8.77 U	357	480 UJ		69.6	21.5 U			2590 J
08R003	LWG0108R003SDS015C00	5550 J	7.22		0.697 U		85.3	4470		48.8	1.64	44.5	56.4		23.3	9.05			1020 J
09R002	LWG0109R002SDS015C00	5170 JT	5.46 T		0.453 UT		71.9 T	3930 T		32 T	8.45 T	47.4 T	54 T		27.3 T	8.75 T			1120 JT
1901	WLCOFJ02190119010							3310									1020		
1902	WLCOFJ02190219020							220 U									6680 P		
1903	WLCOFJ02190319030							960 P									720 J		
19A01	WLCOFJ0219A0119A010							6570									1210 P		
19A02	WLCOFJ0219A0219A020							1170 P									400 JP		
19A03	WLCOFJ0219A0319A030							2040 P									1500		
2201	WLCOFJ02220122010							210 U									210 JP		
2202	WLCOFJ02220222020							510 JP									730 JP		
22031	WLCOFJ022203122031							270 JP									540 JP		
2203	WLCOFJ02220322030							180 U									560 JP		
2204	WLCOFJ02220422040							290 U									250 U		
2205	WLCOFJ02220522050							180 U									150 U		
2206	WLCOFJ02220622060							280 U									240 U		
22B01	WLCOFJ0222B0122B010							170 U									150 U		
22B02	WLCOFJ0222B0222B020							190 U									200 JP		
22B03	WLCOFJ0222B0322B030							240 U									530 JP		
22B04	WLCOFJ0222B0422B040							300 U									340 JP		
22C01	WLCOFJ0222C0122C010							670 J									700 J		
22C02	WLCOFJ0222C0222C020							170 U									140 U		
22C03	WLCOFJ0222C0322C030							240 JT									275 JT		
22C04	WLCOFJ0222C0422C040							670 U									570 U		
2401	WLCOFJ02240124010							140 U									180 JP		
2402	WLCOFJ02240224020							190 U									350 JP		
2403	WLCOFJ02240324030							200 U									210 JP		
2404	WLCOFJ02240424040							230 U									300 JP		
2405	WLCOFJ02240524050							210 U									240 JP		
4801	WLCOFJ02480148010							1320									630 J		
4802	WLCOFJ02480248020							130 U									110 U		
4803	WLCOFJ02480348030							170 U									140 U		
4804	WLCOFJ02480448040							160 U									170 J		
4805	WLCOFJ02480548050							160 U									140 U		
4806	WLCOFJ02480648060							1330 P									860 JP		
4901	WLCOFJ02490149010							130 UT									110 UT		
4902	WLCOFJ02490249020							170 U									140 U		
4903	WLCOFJ02490349030							180 U									160 U		
4904	WLCOFJ02490449040							170 U									140 U		
4905	WLCOFJ02490549050							200 U									170 U		
4906	WLCOFJ02490649060							170 U									140 U		
5001	WLCOFJ02500150010							160 U									130 U		
5002	WLCOFJ02500250020							430 JP									270 JP		
5003	WLCOFJ02500350030							230 U									250 JP		
5004	WLCOFJ02500450040							180 U									150 U		
5005	WLCOFJ02500550050							160 U									140 U		
5006	WLCOFJ02500650060							2820 P									830 P		
5201	WLCOFJ02520152010							810 P									980 P		
5202	WLCOFJ02520252020							190 U									440 JP		
5203	WLCOFJ02520352030							220 U									220 JP		
52A01	WLCOFJ0252A0152A010							370 JP									140 U		
52A02	WLCOFJ0252A0252A020							810 JP									410 JP		
52A03	WLCOFJ0252A0352A030							710 JP									400 JP		
52A04	WLCOFJ0252A0452A040							400 JP									550 JP		
52A05	WLCOFJ0252A0552A050							460 JP									290 JP		
52C01	WLCOFJ0252C0152C010							1240 P									400 JP		
52C02	WLCOFJ0252C0252C020							160 U									140 U		
52C03	WLCOFJ0252C0352C030							160 U									140 U		
52C04	WLCOFJ0252C0452C040							170 U									140 U		
52C05	WLCOFJ0252C0552C050							2320 JT									920 JT		
5301	WLCOFJ02530153010							250 U									390 JP		
5302	WLCOFJ02530253020							170 U									140 U		
5303	WLCOFJ02530353030							180 U									160 U		
5304	WLCOFJ02530453040							190 U									230 JP		
5305	WLCOFJ02530553050							190 U									160 U		
M0201	WLCOFJ02M0201M2010							230 JP									840 JP		
M0202	WLCOFJ02M0202M2020							1010 P									450 JP		
M02031	WLCOFJ02M02031M2031							350 JP									620 P		
M0203	WLCOFJ02M0203M2030							140 U									120 U		
M0204	WLCOFJ02M0204M2040							210 U									280 JP		
M0205	WLCOFJ02M0205M2050							210 U									180 U		
M0301	WLCOFJ02M0301M3010							240 U									210 U		
M0302	WLCOFJ02M0302M3020							160 U									140 U		
M0303	WLCOFJ02M0303M3030							1050									380 J		
M0304	WLCOFJ02M0304M3040							750 JP									760 JP		

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	55215-18-4	PCB129_138_160_	52663-66-8	61798-70-7	38380-05-1	PCB132_161	35694-04-3	PCB133_142	PCB134_143	52744-13-5	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2	PCB138_163_164	PCB139_140	PCB139_149
	Chemical Name	PCB129	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB132 & 161	PCB133	PCB133 & 142	PCB134 & 143	PCB135	PCB135 & 151 & 154	PCB136	PCB137	PCB138	PCB138 & 163 & 164	PCB139 & 140	PCB139 & 149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
03R005	LWG0103R005SD S015C00		342000 J	15700	4280	85600		2570		13800 J		60100 J	28600	16200			5040 J	
06R002	LWG0106R002SD S015C10		2930 J	122	21.8	800		57.8		167 J		1520 J	476	60.4			36.6 J	
06R002	LWG0106R002SD S015C20		6540 J	218	39.6	1510		94		270 J		10.1 U	698	140			60.5 J	
06R002	LWG0106R002SD S015C31		3150 JT	111 T	19.3 T	738 T		50.7 T		146 JT		1270 JT	364 T	62.4 T			28.1 JT	
06R004	LWG0106R004SD S015C00		3320 J	204	50.6	1010		38.3		185 J		867 J	338	184			57.3 J	
07R006	LWG0107R006SD S015C00		8940 J	27.8 U	239	2960		183		598		2660 J	895	24.3 U			923 J	
08R003	LWG0108R003SD S015C00		7910 J	479	96	2450		138		392 J		2320 J	817	287			146 J	
09R002	LWG0109R002SD S015C00		12800 JT	595 T	96.1 T	3730 T		250 T		542 JT		6000 JT	1800 T	273 T			164 JT	
1901	WLCOFJ02190119010														3340 P			
1902	WLCOFJ02190219020														31900 P			
1903	WLCOFJ02190319030														3320			
19A01	WLCOFJ0219A0119A010														10100			
19A02	WLCOFJ0219A0219A020														3220			
19A03	WLCOFJ0219A0319A030														5100 P			
2201	WLCOFJ02220122010														190 U			
2202	WLCOFJ02220222020														1290 P			
22031	WLCOFJ022203122031														180 U			
2203	WLCOFJ02220322030														640 JP			
2204	WLCOFJ02220422040														13800 P			
2205	WLCOFJ02220522050														170 U			
2206	WLCOFJ02220622060														290 JP			
22B01	WLCOFJ0222B0122B010														1420 P			
22B02	WLCOFJ0222B0222B020														170 U			
22B03	WLCOFJ0222B0322B030														3200			
22B04	WLCOFJ0222B0422B040														990 JP			
22C01	WLCOFJ0222C0122C010														3100			
22C02	WLCOFJ0222C0222C020														530 J			
22C03	WLCOFJ0222C0322C030														870 JT			
22C04	WLCOFJ0222C0422C040														620 U			
2401	WLCOFJ02240124010														370 J			
2402	WLCOFJ02240224020														30700 P			
2403	WLCOFJ02240324030														250 JP			
2404	WLCOFJ02240424040														970 P			
2405	WLCOFJ02240524050														250 JP			
4801	WLCOFJ02480148010														3210			
4802	WLCOFJ02480248020														120 U			
4803	WLCOFJ02480348030														150 U			
4804	WLCOFJ02480448040														150 U			
4805	WLCOFJ02480548050														150 U			
4806	WLCOFJ02480648060														4770			
4901	WLCOFJ02490149010														120 UT			
4902	WLCOFJ02490249020														150 U			
4903	WLCOFJ02490349030														420 JP			
4904	WLCOFJ02490449040														160 U			
4905	WLCOFJ02490549050														180 U			
4906	WLCOFJ02490649060														150 U			
5001	WLCOFJ02500150010														1090 P			
5002	WLCOFJ02500250020														1720 P			
5003	WLCOFJ02500350030														1170			
5004	WLCOFJ02500450040														1100			
5005	WLCOFJ02500550050														280 JP			
5006	WLCOFJ02500650060														6280			
5201	WLCOFJ02520152010														7880 P			
5202	WLCOFJ02520252020														1370 P			
5203	WLCOFJ02520352030														860			
52A01	WLCOFJ0252A0152A010														580 J			
52A02	WLCOFJ0252A0252A020														1440			
52A03	WLCOFJ0252A0352A030														1560			
52A04	WLCOFJ0252A0452A040														1330 P			
52A05	WLCOFJ0252A0552A050														1520 P			
52C01	WLCOFJ0252C0152C010														2000			
52C02	WLCOFJ0252C0252C020														150 U			
52C03	WLCOFJ0252C0352C030														150 U			
52C04	WLCOFJ0252C0452C040														150 U			
52C05	WLCOFJ0252C0552C050														4190 T			
5301	WLCOFJ02530153010														920 J			
5302	WLCOFJ02530253020														160 U			
5303	WLCOFJ02530353030														170 U			
5304	WLCOFJ02530453040														170 U			
5305	WLCOFJ02530553050														170 U			
M0201	WLCOFJ02M0201M2010														1700 JP			
M0202	WLCOFJ02M0202M2020														1100 P			
M02031	WLCOFJ02M02031M2031														640 P			
M0203	WLCOFJ02M0203M2030														170 JP			
M0204	WLCOFJ02M0204M2040														240 JP			
M0205	WLCOFJ02M0205M2050														190 U			
M0301	WLCOFJ02M0301M3010														5400 P			
M0302	WLCOFJ02M0302M3020														150 U			
M0303	WLCOFJ02M0303M3030														2760			
M0304	WLCOFJ02M0304M3040														2550			

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	59291-64-4	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB146_165	68194-13-8	PCB147_149	74472-41-6	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	60145-22-4	33979-03-2
	Chemical Name	PCB140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB146 & 165	PCB147	PCB147 & 149	PCB148	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB154	PCB155
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
03R005	LWG0103R005SDS015C00		37200	8.5 U	9720	127	25100			212000 J	142	246		279		208000 J		2.76 U
06R002	LWG0106R002SDS015C10		709	0.554	168	1.49	513			2940 J	16.8	16.2		19.2		3370 J		11.9
06R002	LWG0106R002SDS015C20		1620	7.74 U	355	3.28 U	985			5550 J	20.3	23.5		25.4		7940 J		
06R002	LWG0106R002SDS015C31		785 T	0.368 UT	153 T	1.16 T	530 T			2560 JT	11.3 T	12.9 T		15.3 T		3600 JT		3.25 T
06R004	LWG0106R004SDS015C00		600	0.677 U	141	1.13	421			2280 J	2.26	2.54		2.53		2510 J		0.166 U
07R006	LWG0107R006SDS015C00		2130	928	672	52.8	1260			7000 J	40.6 J	19.6		47.6		6410		5.45
08R003	LWG0108R003SDS015C00		1240	0.917 U	315	2.6	1270			5290 J	18.8	16.4		5.74		6880 J		0.422
09R002	LWG0109R002SDS015C00		3110 T	0.848 UT	731 T	2.03 T	2490 T			12600 JT	51.9 T	58.3 T		22.2 T		14500 JT		2.97 T
1901	WLCOFJ02190119010														6440 P			
1902	WLCOFJ02190219020														260 U			
1903	WLCOFJ02190319030														5190			
19A01	WLCOFJ0219A0119A010														8460 P			
19A02	WLCOFJ0219A0219A020														3160 P			
19A03	WLCOFJ0219A0319A030														12600			
2201	WLCOFJ02220122010														240 U			
2202	WLCOFJ02220222020														2070			
22031	WLCOFJ022203122031														950 P			
2203	WLCOFJ02220322030														590 P			
2204	WLCOFJ02220422040														340 U			
2205	WLCOFJ02220522050														250 JP			
2206	WLCOFJ02220622060														330 U			
22B01	WLCOFJ0222B0122B010														2800			
22B02	WLCOFJ0222B0222B020														2120			
22B03	WLCOFJ0222B0322B030														5410			
22B04	WLCOFJ0222B0422B040														2240			
22C01	WLCOFJ0222C0122C010														6510			
22C02	WLCOFJ0222C0222C020														1090			
22C03	WLCOFJ0222C0322C030														1650 JT			
22C04	WLCOFJ0222C0422C040														790 U			
2401	WLCOFJ02240124010														760			
2402	WLCOFJ02240224020														1420			
2403	WLCOFJ02240324030														520 P			
2404	WLCOFJ02240424040														2650			
2405	WLCOFJ02240524050														290 JP			
4801	WLCOFJ02480148010														3440			
4802	WLCOFJ02480248020														150 U			
4803	WLCOFJ02480348030														200 U			
4804	WLCOFJ02480448040														190 U			
4805	WLCOFJ02480548050														190 U			
4806	WLCOFJ02480648060														4080			
4901	WLCOFJ02490149010														150 UT			
4902	WLCOFJ02490249020														190 U			
4903	WLCOFJ02490349030														680 P			
4904	WLCOFJ02490449040														200 U			
4905	WLCOFJ02490549050														230 U			
4906	WLCOFJ02490649060														200 U			
5001	WLCOFJ02500150010														3140			
5002	WLCOFJ02500250020														2240 P			
5003	WLCOFJ02500350030														1320 P			
5004	WLCOFJ02500450040														1970			
5005	WLCOFJ02500550050														1190			
5006	WLCOFJ02500650060														4200 P			
5201	WLCOFJ02520152010														15000			
5202	WLCOFJ02520252020														2410			
5203	WLCOFJ02520352030														1020 P			
52A01	WLCOFJ0252A0152A010														910			
52A02	WLCOFJ0252A0252A020														1070 P			
52A03	WLCOFJ0252A0352A030														1840			
52A04	WLCOFJ0252A0452A040														2770			
52A05	WLCOFJ0252A0552A050														4430			
52C01	WLCOFJ0252C0152C010														1380 P			
52C02	WLCOFJ0252C0252C020														190 U			
52C03	WLCOFJ0252C0352C030														190 U			
52C04	WLCOFJ0252C0452C040														190 U			
52C05	WLCOFJ0252C0552C050														3270 JT			
5301	WLCOFJ02530153010														640 P			
5302	WLCOFJ02530253020														200 U			
5303	WLCOFJ02530353030														210 U			
5304	WLCOFJ02530453040														330 JP			
5305	WLCOFJ02530553050														220 U			
M0201	WLCOFJ02M0201M2010														1360 JP			
M0202	WLCOFJ02M0202M2020														2150			
M02031	WLCOFJ02M02031M2031														180 U			
M0203	WLCOFJ02M0203M2030														340			
M0204	WLCOFJ02M0204M2040														240 U			
M0205	WLCOFJ02M0205M2050														240 U			
M0301	WLCOFJ02M0301M3010														280 U			
M0302	WLCOFJ02M0302M3020														190 U			
M0303	WLCOFJ02M0303M3030														2180 P			
M0304	WLCOFJ02M0304M3040														2060 P			

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	38380-08-4	69782-90-7	74472-42-7	PCB158_160	39635-35-3	74472-43-8	39635-34-2	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	52663-71-5	PCB171_173	52663-74-8
	Chemical Name	PCB156	PCB157	PCB158	PCB158 & 160	PCB159	PCB161	PCB162	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171	PCB171 & 173	PCB172
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
03R005	LWG0103R005SDS015C00	16300	6800	25600		1010	10.2 U	789	14700	27.2		9110		10.5	28200		9230 J	4430
06R002	LWG0106R002SDS015C10	221	28.2	259		49.7	0.447 U	4.16	225	3.49		103		0.55 J	1410		433 J	257
06R002	LWG0106R002SDS015C20	467	42.1	588		154	5.6 U	5.33 U	423	6.02 U		192		0.403	3580		1130 J	625
06R002	LWG0106R002SDS015C31	261 T	25.2 T	285 T		66.8 T	0.394 UT	5.26 T	218 T	2.51 T		105 T		0.375 T	1870 T		560 JT	315 T
06R004	LWG0106R004SDS015C00	371	81.4	356		23.2	0.614 U	9.65	212	0.576 U		122		0.21 U	546		175 J	102
07R006	LWG0107R006SDS015C00	1050	216	1210		137	18 U	75.9	590	19.5 U		404		13.7	3240		1990 J	617
08R003	LWG0108R003SDS015C00	859	169	752		65.1	0.64 U	24.1	579	2.41		321		1.39	2020		674 J	357
09R002	LWG0109R002SDS015C00	845 T	145 T	1120 T		217 T	0.601 UT	27.4 T	962 T	11.3 T		395 T		3.95 T	5230 T		1620 JT	984 T
1901	WLCOFJ02190119010														1540 P			
1902	WLCOFJ02190219020														200 U			
1903	WLCOFJ02190319030														1570			
19A01	WLCOFJ0219A0119A010														1760 P			
19A02	WLCOFJ0219A0219A020														630 JP			
19A03	WLCOFJ0219A0319A030														4260			
2201	WLCOFJ02220122010														190 U			
2202	WLCOFJ02220222020														250 JP			
22031	WLCOFJ022203122031														250 JP			
2203	WLCOFJ02220322030														170 U			
2204	WLCOFJ02220422040														270 U			
2205	WLCOFJ02220522050														170 U			
2206	WLCOFJ02220622060														260 U			
22B01	WLCOFJ0222B0122B010														680 P			
22B02	WLCOFJ0222B0222B020														730 P			
22B03	WLCOFJ0222B0322B030														2310 P			
22B04	WLCOFJ0222B0422B040														280 U			
22C01	WLCOFJ0222C0122C010														980 J			
22C02	WLCOFJ0222C0222C020														260 J			
22C03	WLCOFJ0222C0322C030														320 JT			
22C04	WLCOFJ0222C0422C040														620 U			
2401	WLCOFJ02240124010														130 U			
2402	WLCOFJ02240224020														180 U			
2403	WLCOFJ02240324030														190 U			
2404	WLCOFJ02240424040														410 JP			
2405	WLCOFJ02240524050														190 U			
4801	WLCOFJ02480148010														860			
4802	WLCOFJ02480248020														220 J			
4803	WLCOFJ02480348030														290 J			
4804	WLCOFJ02480448040														260 J			
4805	WLCOFJ02480548050														150 U			
4806	WLCOFJ02480648060														1770			
4901	WLCOFJ02490149010														120 UT			
4902	WLCOFJ02490249020														160 U			
4903	WLCOFJ02490349030														170 U			
4904	WLCOFJ02490449040														160 U			
4905	WLCOFJ02490549050														180 U			
4906	WLCOFJ02490649060														160 U			
5001	WLCOFJ02500150010														490 J			
5002	WLCOFJ02500250020														650 JP			
5003	WLCOFJ02500350030														430 J			
5004	WLCOFJ02500450040														390 JP			
5005	WLCOFJ02500550050														250 J			
5006	WLCOFJ02500650060														1250			
5201	WLCOFJ02520152010														4120 P			
5202	WLCOFJ02520252020														1170 P			
5203	WLCOFJ02520352030														210 U			
52A01	WLCOFJ0252A0152A010														150 U			
52A02	WLCOFJ0252A0252A020														270 JP			
52A03	WLCOFJ0252A0352A030														250 JP			
52A04	WLCOFJ0252A0452A040														350 JP			
52A05	WLCOFJ0252A0552A050														490 JP			
52C01	WLCOFJ0252C0152C010														500 JP			
52C02	WLCOFJ0252C0252C020														150 U			
52C03	WLCOFJ0252C0352C030														150 U			
52C04	WLCOFJ0252C0452C040														150 U			
52C05	WLCOFJ0252C0552C050														815 JT			
5301	WLCOFJ02530153010														280 JP			
5302	WLCOFJ02530253020														160 U			
5303	WLCOFJ02530353030														170 U			
5304	WLCOFJ02530453040														170 U			
5305	WLCOFJ02530553050														170 U			
M0201	WLCOFJ02M0201M2010														920 JP			
M0202	WLCOFJ02M0202M2020														330 JP			
M02031	WLCOFJ02M02031M2031														310 JP			
M0203	WLCOFJ02M0203M2030														130 U			
M0204	WLCOFJ02M0204M2040														290 JP			
M0205	WLCOFJ02M0205M2050														190 U			
M0301	WLCOFJ02M0301M3010														230 U			
M0302	WLCOFJ02M0302M3020														150 U			
M0303	WLCOFJ02M0303M3030														1090 P			
M0304	WLCOFJ02M0304M3040														190 U			

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	68194-16-1	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	PCB182_187	52663-69-1	PCB183_185	74472-48-3	52712-05-7	74472-49-4
	Chemical Name	PCB173	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB182 & 187	PCB183	PCB183 & 185	PCB184	PCB185	PCB186
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
03R005	LWG0103R005SDS015C00		25000	1080	3110	14200	4170	8720		50300 J	550	187			16200 J	20.1		12.8
06R002	LWG0106R002SDS015C10		1550	61.8	194	867	298	636		3680 J	33.1	15.6			1120 J	2.57		1.12
06R002	LWG0106R002SDS015C20		3620	158	492	2100	708	1510		8680 J	20.7	10.6			2870 J	2.96 U		2.85 U
06R002	LWG0106R002SDS015C31		1800 T	73.7 T	211 T	1040 T	343 T	717 T		4770 JT	9.11 T	6.45 T			1310 JT	0.747 T		0.427 T
06R004	LWG0106R004SDS015C00		555	23.3	70.1	299	97.6	200		1190 J	9.44	2.72			369 J	0.437 U		0.422 U
07R006	LWG0107R006SDS015C00		3550	323	692	1320	509	819		5490 J	7490	88.6			4140 J	79.2		290
08R003	LWG0108R003SDS015C00		1770	93.7	253	1090	371	652		3750 J	23.1	13.5			1260 J	1.48		0.419
09R002	LWG0109R002SDS015C00		6280 T	237 T	759 T	3630 T	1300 T	2690 T		13600 JT	21.3 T	35.6 T			4270 JT	3.31 T		0.326 T
1901	WLCOFJ02190119010								3930									
1902	WLCOFJ02190219020								180 U									
1903	WLCOFJ02190319030								2700									
19A01	WLCOFJ0219A0119A010								4870									
19A02	WLCOFJ0219A0219A020								1590									
19A03	WLCOFJ0219A0319A030								7320									
2201	WLCOFJ02220122010								170 U									
2202	WLCOFJ02220222020								390 JP									
22031	WLCOFJ022203122031								1010 P									
2203	WLCOFJ02220322030								530 J									
2204	WLCOFJ02220422040								240 U									
2205	WLCOFJ02220522050								180 J									
2206	WLCOFJ02220622060								400 J									
22B01	WLCOFJ0222B0122B010								1450									
22B02	WLCOFJ0222B0222B020								1700									
22B03	WLCOFJ0222B0322B030								5710									
22B04	WLCOFJ0222B0422B040								690 J									
22C01	WLCOFJ0222C0122C010								3170									
22C02	WLCOFJ0222C0222C020								140 U									
22C03	WLCOFJ0222C0322C030								515 JT									
22C04	WLCOFJ0222C0422C040								550 U									
2401	WLCOFJ02240124010								180 JP									
2402	WLCOFJ02240224020								150 U									
2403	WLCOFJ02240324030								260 JP									
2404	WLCOFJ02240424040								990 P									
2405	WLCOFJ02240524050								190 JP									
4801	WLCOFJ02480148010								1610									
4802	WLCOFJ02480248020								130 J									
4803	WLCOFJ02480348030								140 U									
4804	WLCOFJ02480448040								130 U									
4805	WLCOFJ02480548050								130 U									
4806	WLCOFJ02480648060								1970 P									
4901	WLCOFJ02490149010								110 UT									
4902	WLCOFJ02490249020								140 U									
4903	WLCOFJ02490349030								280 JP									
4904	WLCOFJ02490449040								140 U									
4905	WLCOFJ02490549050								160 U									
4906	WLCOFJ02490649060								140 U									
5001	WLCOFJ02500150010								1050									
5002	WLCOFJ02500250020								1770									
5003	WLCOFJ02500350030								1020									
5004	WLCOFJ02500450040								1420									
5005	WLCOFJ02500550050								630									
5006	WLCOFJ02500650060								2260									
5201	WLCOFJ02520152010								10700									
5202	WLCOFJ02520252020								2950									
5203	WLCOFJ02520352030								560 J									
52A01	WLCOFJ0252A0152A010								290 J									
52A02	WLCOFJ0252A0252A020								770 J									
52A03	WLCOFJ0252A0352A030								750 J									
52A04	WLCOFJ0252A0452A040								1270									
52A05	WLCOFJ0252A0552A050								1660 P									
52C01	WLCOFJ0252C0152C010								1370									
52C02	WLCOFJ0252C0252C020								270 J									
52C03	WLCOFJ0252C0352C030								130 U									
52C04	WLCOFJ0252C0452C040								140 U									
52C05	WLCOFJ0252C0552C050								2350 T									
5301	WLCOFJ02530153010								550 JP									
5302	WLCOFJ02530253020								140 U									
5303	WLCOFJ02530353030								150 U									
5304	WLCOFJ02530453040								200 JP									
5305	WLCOFJ02530553050								150 U									
M0201	WLCOFJ02M0201M2010								3040 J									
M0202	WLCOFJ02M0202M2020								1100 P									
M02031	WLCOFJ02M02031M2031								1200									
M0203	WLCOFJ02M0203M2030								240 J									
M0204	WLCOFJ02M0204M2040								430 J									
M0205	WLCOFJ02M0205M2050								170 U									
M0301	WLCOFJ02M0301M3010								200 U									
M0302	WLCOFJ02M0302M3020								130 U									
M0303	WLCOFJ02M0303M3030								2850									
M0304	WLCOFJ02M0304M3040								1720									

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	69782-91-8	35694-08-7	52663-78-2	42740-50-1	PCB196_203	33091-17-7	PCB197_200	68194-17-2	PCB198_199	52663-75-9	52663-73-7
	Chemical Name	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB193	PCB194	PCB195	PCB196	PCB196 & 203	PCB197	PCB197 & 200	PCB198	PCB198 & 199	PCB199	PCB200
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
03R005	LWG0103R005SDS015C00	22900	29.1	959	5240	1160	6.56 U		5940	2440	3370			1100 J		7190 J		
06R002	LWG0106R002SDS015C10	1820	6.29	73.9	301	62.7	0.287 U		1470	507	738			219 J		1320 J		
06R002	LWG0106R002SDS015C20	4150	4.63	143	741	156	2.67 U		1820	778	1060			300 J		2120 J		
06R002	LWG0106R002SDS015C31	2190 T	3.3 T	68.7 T	379 T	77.2 T	0.253 UT		915 T	413 T	594 T			180 JT		1090 JT		
06R004	LWG0106R004SDS015C00	603	0.474	23.1	109	23.1	0.394 U		187	79.9	105			39.1 J		207 J		
07R006	LWG0107R006SDS015C00	2560	31.8	262	1910	354	30.6		1710	4210	2210			2430 J		3390 J		
08R003	LWG0108R003SDS015C00	1860	3.14	95.7	385	97.6	0.267 U		606	279	390			133 J		678 J		
09R002	LWG0109R002SDS015C00	7720 T	16.2 T	184 T	1120 T	222 T	0.245 UT		2930 T	1220 T	1600 T			534 JT		3320 JT		
1901	WLCOFJ02190119010	3960																
1902	WLCOFJ02190219020	220 U																
1903	WLCOFJ02190319030	2620																
19A01	WLCOFJ0219A0119A010	4610																
19A02	WLCOFJ0219A0219A020	2040																
19A03	WLCOFJ0219A0319A030	6160																
2201	WLCOFJ02220122010	240 JP																
2202	WLCOFJ02220222020	1080																
22031	WLCOFJ022203122031	450 P																
2203	WLCOFJ02220322030	270 JP																
2204	WLCOFJ02220422040	290 U																
2205	WLCOFJ02220522050	280 J																
2206	WLCOFJ02220622060	540 P																
22B01	WLCOFJ0222B0122B010	580																
22B02	WLCOFJ0222B0222B020	720																
22B03	WLCOFJ0222B0322B030	4360																
22B04	WLCOFJ0222B0422B040	310 U																
22C01	WLCOFJ0222C0122C010	1880																
22C02	WLCOFJ0222C0222C020	170 U																
22C03	WLCOFJ0222C0322C030	500 JT																
22C04	WLCOFJ0222C0422C040	680 U																
2401	WLCOFJ02240124010	250 JP																
2402	WLCOFJ02240224020	190 U																
2403	WLCOFJ02240324030	200 U																
2404	WLCOFJ02240424040	1320 P																
2405	WLCOFJ02240524050	820 P																
4801	WLCOFJ02480148010	1080																
4802	WLCOFJ02480248020	130 U																
4803	WLCOFJ02480348030	170 U																
4804	WLCOFJ02480448040	160 U																
4805	WLCOFJ02480548050	160 U																
4806	WLCOFJ02480648060	3670																
4901	WLCOFJ02490149010	130 UT																
4902	WLCOFJ02490249020	170 U																
4903	WLCOFJ02490349030	190 U																
4904	WLCOFJ02490449040	170 U																
4905	WLCOFJ02490549050	200 U																
4906	WLCOFJ02490649060	170 U																
5001	WLCOFJ02500150010	650 P																
5002	WLCOFJ02500250020	1070																
5003	WLCOFJ02500350030	610																
5004	WLCOFJ02500450040	1000																
5005	WLCOFJ02500550050	170 U																
5006	WLCOFJ02500650060	1350																
5201	WLCOFJ02520152010	4510 P																
5202	WLCOFJ02520252020	2070																
5203	WLCOFJ02520352030	580 P																
52A01	WLCOFJ0252A0152A010	160 U																
52A02	WLCOFJ0252A0252A020	430																
52A03	WLCOFJ0252A0352A030	250 JP																
52A04	WLCOFJ0252A0452A040	1000 P																
52A05	WLCOFJ0252A0552A050	2040																
52C01	WLCOFJ0252C0152C010	570 P																
52C02	WLCOFJ0252C0252C020	160 U																
52C03	WLCOFJ0252C0352C030	160 U																
52C04	WLCOFJ0252C0452C040	170 U																
52C05	WLCOFJ0252C0552C050	2230 T																
5301	WLCOFJ02530153010	570 P																
5302	WLCOFJ02530253020	170 U																
5303	WLCOFJ02530353030	180 U																
5304	WLCOFJ02530453040	190 U																
5305	WLCOFJ02530553050	190 U																
M0201	WLCOFJ02M0201M2010	4230 J																
M0202	WLCOFJ02M0202M2020	820 P																
M02031	WLCOFJ02M02031M2031	590 P																
M0203	WLCOFJ02M0203M2030	140 U																
M0204	WLCOFJ02M0204M2040	210 U																
M0205	WLCOFJ02M0205M2050	210 U																
M0301	WLCOFJ02M0301M3010	240 U																
M0302	WLCOFJ02M0302M3020	160 U																
M0303	WLCOFJ02M0303M3030	1360																
M0304	WLCOFJ02M0304M3040	1670																

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID										
03R005	LWG0103R005SDS015C00	862	1420	4570	6.36 U	306	2860	333	880	865	3340000 JT
06R002	LWG0106R002SDS015C10	165	158	870	1.73	87.8	533	75.6	159	320	52400 JT
06R002	LWG0106R002SDS015C20	242	291	1380	0.343	101	438	66.8	120	171	80800 JT
06R002	LWG0106R002SDS015C31	145 T	160 T	728 T	0.318 T	48 T	264 T	37.3 T	81 T	133 T	47600 JT
06R004	LWG0106R004SDS015C00	26.1	35.2	132	0.382 U	10.5	66	9.68	16.3	42.2	47000 JT
07R006	LWG0107R006SDS015C00	1030	700	5450	364	698 J	9170	4490	3550	17500	496000 JT
08R003	LWG0108R003SDS015C00	97.2	116	445	0.411	39.7	222	33.3	74	213	92600 JT
09R002	LWG0109R002SDS015C00	422 T	569 T	2020 T	3.56 UT	163 T	762 T	111 T	193 T	140 T	192000 JT
1901	WLCOFJ0219011901 0										42900 JT
1902	WLCOFJ0219021902 0										164000 T
1903	WLCOFJ0219031903 0										29900 JT
19A01	WLCOFJ0219A0119A010										74200 T
19A02	WLCOFJ0219A0219A020										22300 JT
19A03	WLCOFJ0219A0319A030										54600 JT
2201	WLCOFJ0222012201 0										1110 JT
2202	WLCOFJ0222022202 0										10400 JT
22031	WLCOFJ022203122031										6040 JT
2203	WLCOFJ0222032203 0										3680 JT
2204	WLCOFJ0222042204 0										14300 JT
2205	WLCOFJ0222052205 0										1880 JT
2206	WLCOFJ0222062206 0										3140 JT
22B01	WLCOFJ0222B0122B010										10700 JT
22B02	WLCOFJ0222B0222B020										8170 JT
22B03	WLCOFJ0222B0322B030										25400 JT
22B04	WLCOFJ0222B0422B040										21300 JT
22C01	WLCOFJ0222C0122C010										32200 JT
22C02	WLCOFJ0222C0222C020										4140 JT
22C03	WLCOFJ0222C0322C030										7630 JT
22C04	WLCOFJ0222C0422C040										1440 T
2401	WLCOFJ0224012401 0										1740 JT
2402	WLCOFJ0224022402 0										33900 JT
2403	WLCOFJ0224032403 0										4320 JT
2404	WLCOFJ0224042404 0										9870 JT
2405	WLCOFJ0224052405 0										3130 JT
4801	WLCOFJ0248014801 0										20900 JT
4802	WLCOFJ0248024802 0										350 JT
4803	WLCOFJ0248034803 0										290 JT
4804	WLCOFJ0248044804 0										2150 JT
4805	WLCOFJ0248054805 0										300 UT
4806	WLCOFJ0248064806 0										31700 JT
4901	WLCOFJ0249014901 0										210 JT
4902	WLCOFJ0249024902 0										310 UT
4903	WLCOFJ0249034903 0										1380 JT
4904	WLCOFJ0249044904 0										320 UT
4905	WLCOFJ0249054905 0										370 UT
4906	WLCOFJ0249064906 0										310 UT
5001	WLCOFJ0250015001 0										9160 JT
5002	WLCOFJ0250025002 0										10900 JT
5003	WLCOFJ0250035003 0										5400 JT
5004	WLCOFJ0250045004 0										6260 JT
5005	WLCOFJ0250055005 0										2350 JT
5006	WLCOFJ0250065006 0										29300 T
5201	WLCOFJ0252015201 0										49500 T
5202	WLCOFJ0252025202 0										11400 JT
5203	WLCOFJ0252035203 0										3240 JT
52A01	WLCOFJ0252A0152A010										8300 JT
52A02	WLCOFJ0252A0252A020										14300 JT
52A03	WLCOFJ0252A0352A030										14200 JT
52A04	WLCOFJ0252A0452A040										12300 JT
52A05	WLCOFJ0252A0552A050										15600 JT
52C01	WLCOFJ0252C0152C010										34200 JT
52C02	WLCOFJ0252C0252C020										2940 JT
52C03	WLCOFJ0252C0352C030										540 JT
52C04	WLCOFJ0252C0452C040										310 UT
52C05	WLCOFJ0252C0552C050										39500 JT
5301	WLCOFJ0253015301 0										6480 JT
5302	WLCOFJ0253025302 0										320 UT
5303	WLCOFJ0253035303 0										340 UT
5304	WLCOFJ0253045304 0										760 JT
5305	WLCOFJ0253055305 0										350 UT
M0201	WLCOFJ02M0201M2010										18100 JT
M0202	WLCOFJ02M0202M2020										10200 JT
M02031	WLCOFJ02M02031M2031										4630 JT
M0203	WLCOFJ02M0203M2030										1620 JT
M0204	WLCOFJ02M0204M2040										1240 JT
M0205	WLCOFJ02M0205M2050										390 UT
M0301	WLCOFJ02M0301M3010										25900 T
M0302	WLCOFJ02M0302M3020										310 UT
M0303	WLCOFJ02M0303M3030										18900 JT
M0304	WLCOFJ02M0304M3040										18000 JT

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	PCB110_115	39635-32-0	PCB111_115	74472-36-9	68194-10-5	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	70424-70-3	57465-28-8	39635-33-1	38380-07-3	PCB128_162	PCB128_166
	Chemical Name	PCB110 & 115	PCB111	PCB111 & 115	PCB112	PCB113	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB124	PCB126	PCB127	PCB128	PCB128 & 162	PCB128 & 166
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
M0305	WLCOFJ02M0305M3050							1170 P									990 P		
S0201	WLCOFJ02S0201S2010							160 U									140 U		
S0202	WLCOFJ02S0202S2020							160 U									140 U		
S0203	WLCOFJ02S0203S2030							170 U									140 U		
S0204	WLCOFJ02S0204S2040							170 U									140 U		
S0205	WLCOFJ02S0205S2050							170 U									140 U		
S0501	WLCOFJ02S0501S5010							520 JP									1550 P		
S0502	WLCOFJ02S0502S5020							240 U									200 U		
S0503	WLCOFJ02S0503S5030							160 UT									140 UT		
S0504	WLCOFJ02S0504S5040							180 U									350 J		
S0505	WLCOFJ02S0505S5050							160 U									230 JP		
S0506	WLCOFJ02S0506S5060							250 JP									410 J		
S0507	WLCOFJ02S0507S5070							200 U									170 U		
S0601	WLCOFJ02S0601S6010							260 U									220 U		

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	55215-18-4	PCB129_138_160_	52663-66-8	61798-70-7	38380-05-1	PCB132_161	35694-04-3	PCB133_142	PCB134_143	52744-13-5	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2	PCB138_163_164	PCB139_140	PCB139_149
	Chemical Name	PCB129	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB132 & 161	PCB133	PCB133 & 142	PCB134 & 143	PCB135	PCB135 & 151 & 154	PCB136	PCB137	PCB138	PCB138 & 163 & 164	PCB139 & 140	PCB139 & 149
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
M0305	WLCOFJ02M0305M3050														3780			
S0201	WLCOFJ02S0201S2010														520 JP			
S0202	WLCOFJ02S0202S2020														150 U			
S0203	WLCOFJ02S0203S2030														520 JP			
S0204	WLCOFJ02S0204S2040														160 U			
S0205	WLCOFJ02S0205S2050														150 U			
S0501	WLCOFJ02S0501S5010														1990 P			
S0502	WLCOFJ02S0502S5020														220 U			
S0503	WLCOFJ02S0503S5030														180 JT			
S0504	WLCOFJ02S0504S5040														640 J			
S0505	WLCOFJ02S0505S5050														150 U			
S0506	WLCOFJ02S0506S5060														870			
S0507	WLCOFJ02S0507S5070														230 J			
S0601	WLCOFJ02S0601S6010														240 U			

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	59291-64-4	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB146_165	68194-13-8	PCB147_149	74472-41-6	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	60145-22-4	33979-03-2
	Chemical Name	PCB140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB146 & 165	PCB147	PCB147 & 149	PCB148	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB154	PCB155
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
M0305	WLCOFJ02M0305M3050														220 U			
S0201	WLCOFJ02S0201S2010														630 P			
S0202	WLCOFJ02S0202S2020														190 U			
S0203	WLCOFJ02S0203S2030														560			
S0204	WLCOFJ02S0204S2040														290 J			
S0205	WLCOFJ02S0205S2050														190 U			
S0501	WLCOFJ02S0501S5010														4320			
S0502	WLCOFJ02S0502S5020														280 U			
S0503	WLCOFJ02S0503S5030														620 T			
S0504	WLCOFJ02S0504S5040														590 P			
S0505	WLCOFJ02S0505S5050														190 U			
S0506	WLCOFJ02S0506S5060														1700			
S0507	WLCOFJ02S0507S5070														320 JP			
S0601	WLCOFJ02S0601S6010														300 U			

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	38380-08-4	69782-90-7	74472-42-7	PCB158_160	39635-35-3	74472-43-8	39635-34-2	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	52663-71-5	PCB171_173	52663-74-8
	Chemical Name	PCB156	PCB157	PCB158	PCB158 & 160	PCB159	PCB161	PCB162	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171	PCB171 & 173	PCB172
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
M0305	WLCOFJ02M0305M3050														1750 P			
S0201	WLCOFJ02S0201S2010														150 U			
S0202	WLCOFJ02S0202S2020														150 U			
S0203	WLCOFJ02S0203S2030														150 U			
S0204	WLCOFJ02S0204S2040														160 U			
S0205	WLCOFJ02S0205S2050														150 U			
S0501	WLCOFJ02S0501S5010														3080			
S0502	WLCOFJ02S0502S5020														220 U			
S0503	WLCOFJ02S0503S5030														150 UT			
S0504	WLCOFJ02S0504S5040														200 JP			
S0505	WLCOFJ02S0505S5050														150 U			
S0506	WLCOFJ02S0506S5060														260 JP			
S0507	WLCOFJ02S0507S5070														190 U			
S0601	WLCOFJ02S0601S6010														240 U			

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	68194-16-1	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	PCB182_187	52663-69-1	PCB183_185	74472-48-3	52712-05-7	74472-49-4
	Chemical Name	PCB173	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB182 & 187	PCB183	PCB183 & 185	PCB184	PCB185	PCB186
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																	
M0305	WLCOFJ02M0305M3050								3430									
S0201	WLCOFJ02S0201S2010								130 U									
S0202	WLCOFJ02S0202S2020								130 U									
S0203	WLCOFJ02S0203S2030								140 U									
S0204	WLCOFJ02S0204S2040								210 J									
S0205	WLCOFJ02S0205S2050								140 U									
S0501	WLCOFJ02S0501S5010								3220 P									
S0502	WLCOFJ02S0502S5020								200 U									
S0503	WLCOFJ02S0503S5030								130 UT									
S0504	WLCOFJ02S0504S5040								530 J									
S0505	WLCOFJ02S0505S5050								250 J									
S0506	WLCOFJ02S0506S5060								660 J									
S0507	WLCOFJ02S0507S5070								260 JP									
S0601	WLCOFJ02S0601S6010								210 U									

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Table C2-3b: PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	69782-91-8	35694-08-7	52663-78-2	42740-50-1	PCB196_203	33091-17-7	PCB197_200	68194-17-2	PCB198_199	52663-75-9	52663-73-7
	Chemical Name	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB193	PCB194	PCB195	PCB196	PCB196 & 203	PCB197	PCB197 & 200	PCB198	PCB198 & 199	PCB199	PCB200
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																	
M0305	WLCOFJ02M0305M3050	1440																
S0201	WLCOFJ02S0201S2010	160 U																
S0202	WLCOFJ02S0202S2020	160 U																
S0203	WLCOFJ02S0203S2030	170 U																
S0204	WLCOFJ02S0204S2040	170 U																
S0205	WLCOFJ02S0205S2050	170 U																
S0501	WLCOFJ02S0501S5010	2510 P																
S0502	WLCOFJ02S0502S5020	240 U																
S0503	WLCOFJ02S0503S5030	170 UT																
S0504	WLCOFJ02S0504S5040	490 P																
S0505	WLCOFJ02S0505S5050	200 JP																
S0506	WLCOFJ02S0506S5060	1780																
S0507	WLCOFJ02S0507S5070	270 JP																
S0601	WLCOFJ02S0601S6010	260 U																

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Table C2-3b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Sediment Samples (Table 2 of 2).

	CAS No	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
M0305	WLCOFJ02M0305M3050										21900 T
S0201	WLCOFJ02S0201S2010										1150 JT
S0202	WLCOFJ02S0202S2020										310 UT
S0203	WLCOFJ02S0203S2030										4240 JT
S0204	WLCOFJ02S0204S2040										730 JT
S0205	WLCOFJ02S0205S2050										310 UT
S0501	WLCOFJ02S0501S5010										36200 JT
S0502	WLCOFJ02S0502S5020										450 UT
S0503	WLCOFJ02S0503S5030										1960 JT
S0504	WLCOFJ02S0504S5040										4430 JT
S0505	WLCOFJ02S0505S5050										1350 JT
S0506	WLCOFJ02S0506S5060										8150 JT
S0507	WLCOFJ02S0507S5070										1490 JT
S0601	WLCOFJ02S0601S6010										490 UT

Notes:

J - The associated numerical value is an estimated quantity.

P - GC/HPLC criteria exceeded RPD>40%.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-4. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Surface Sediment Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
B001	LW2-B001	0.025 U	0.028 U	0.676	4.099	11.545	0.019 U	0.087	0.384	0.654	0.798 J	18.2 JT
B002	LW2-B002	0.026	0.018 U	1.124	9.559	32.152	1.491	0.946	0.991	1.372	1.664	49.3 T
B003	LW2-B003	0.026 U	0.028 U	0.423	12.145	31.265	0.022 U	0.167	0.406	1.153	1.922	47.5 T
B004	LW2-B004	0.25	0.388	3.354	28.103	107.491	9.945	7.794	4.854	6.547	4.069	173 T
B005	LW2-B005	0.083	0.142	1.512	8.996	32.833	0.197	0.73	1.047	1.887	1.501 J	48.9 JT
B006	LW2-B006	0.018 U	0.12	1.68	13.634	38.395	0.134	0.263	0.985	1.991	1.501 J	58.7 JT
B007	LW2-B007	0.031 UT	0.118 T	0.9055 T	6.9345 T	23.7775 T	0.2775 T	0.362 T	0.7445 T	1.142 T	1.0915 JT	35.4 JT
B008	LW2-B008	0.019 U	0.178	4.628	35.157	125.521	0.35	1.498	3.793	7.631	5.453	184 T
B009	LW2-B009	0.017 U	0.024 U	17.72	227.014	954.539 J	1.023	90.532	250.921	279.116	126.442	1950 JT
B010	LW2-B010	0.903	18.595	109.14	825.833	2758.606 J	2.593	28.214	86.82	281.947	285.206	4400 JT
B011	LW2-B011	0.021	0.015 U	0.871	7.288	23.422	0.011 U	0.27	0.653	1.302	1.013 J	34.8 JT
B012	LW2-B012	0.105	0.465	8.639	92.024	275.859	8.335	37.88	33.435	28.881	19.894	506 T
B015	LW2-B015	0.149	0.402	4.573	30.103	131.195	0.39	1.393	2.999	7.823	7.304	186 T
B016	LW2-B016	1.6625 T	3.644 T	56.431 T	552.567 T	1420.139 JT	8.4335 T	14.7025 T	21.948 T	59.0555 T	65.647 T	2200 JT
B017	LW2-B017	0.024 U	0.267	3.578	23.717	71.247	0.632	2.834	3.991	4.105	1.925	112 T
B018	LW2-B018	5.224	7.017	19.894	54.684	123.631	341.187	370.957	287.92	101.019	59.187	1370 T
B019	LW2-B019	0.084	0.698	6.553	41.34	134.149	0.445	4.283	14.073	27.855	18.69	248 T
B020	LW2-B020	0.192	0.386	6.435	58.369	272.44	0.623	3.845	10.161	22.376	16.749	392 T
B021	LW2-B021	0.579	0.923	6.183	34.99	144.695	18.468	16.97	10.395	11.008	7.825	252 T
B022-1	LW2-B022-1	1.098	3.006	30.987	269.768	1055.291 J	9.114	37.891	53.942	89.009	61.428	1610 JT
B022-2	LW2-B022-2	0.539	1.102	8.891	69.034	264.025	3.083	8.471	12.718	17.069	9.621	395 T
B023	LW2-B023	0.052	0.097	4.585	36.67	142.29	0.689	3.535	6.814	10.338	6.899	212 T
B024	LW2-B024	2.254	3.704	37.147	318.567	1659.661 J	7.51	18.709	40.543	99.954	128.235	2320 JT
B025-1	LW2-B025-1	0.155 T	0.5805 T	9.896 T	66.439 T	247.821 T	3.9255 T	5.5715 T	9.3275 T	16.4875 T	17.4495 T	378 T
B025-2	LW2-B025-2	0.161	0.408	7.966	68.442	253.648	2.409	4.354	8.424	20.71	23.52	390 T
B026	LW2-B026	0.427	0.574	7.495	48.501	384.689	2.181	8.769	11.199	23.381	27.874	515 T
C060	LW2-C060-A	0.241	0.237	3.34	26.2	82.5	1.6	1.56	1.87	2.69	2.919 U	120 T
C067	LW2-C067-A	0.007 U	1.59	48	347	830	1.31	1.76	6.04	12	10.8	1260 T
C084	LW2-C084-A	0.305	0.277	6.896	46.066	248.632	1.751	3.245	7.231	18.955	35.151	369 T
C092	LW2-C092-A	0.855 J	2.401 J	26.798 J	245.148 J	1029.605 J	17.404 J	25.087 J	34.397 J	61.179 J	89.338 J	1530 JT
C093	LW2-C093-A	2.4	5.05	30.9	175	684	22.4	26.2	33.6	48.3	35.8	1060 T
C094	LW2-C094-A	1.31	2.897	21.823	149.323	582.679	9.937	14.197	20.92	33.182	28.807	865 T
C111-2	LW2-C111-A2	1.33	1.18	15.2	142	769	4.8	8.43	19.3	59.5	75.8	1100 T
C144	LW2-C144-A	0.07	0.012 U	0.02 U	4.67	16.2 J	0.1 U	0.12	0.443	1.24	1.365 U	22.7 JT
C196	LW2-C196-A	0.525	1.35	10.6	81.1	409	2.05	6.81	15.5	35.1	30.6	593 T
C290	LW2-C290-A	0.101	0.118	2.92	31.3	134	0.494	1.31	4.99	9.92	6.547 U	185 T
C291	LW2-C291-A	0.624	1.7	17.9	108	439	0.846	4.04	14.4	27.6	20.9	635 T
C348	LW2-C348-A	1.02	0.09 U	6.17	96.6	361	138	583	793	308	262	2550 T
C426	LW2-C426-A	1.16	2.95	24.9	248	1580	5.07	8.58	23.2	89.5	141	2120 T
C523	LW2-C523-A	0.011 U	0.019 U	0.428	2.953	11.054	0.35	0.599	0.644	0.641	0.579 J	17.2 JT
D1-1	LW2-D1-1	0.104 T	0.046 T	0.789 T	5.608 T	17.755 UT	0.139 T	0.256 T	0.749 T	1.872 T	1.793 UT	9.56 T
D1-2	LW2-D1-2	0.243	0.012 U	2.018	14.772	59.537 U	0.741	0.708	1.932	5.022	6.815 U	25.4 T
D2	LW2-D2	0.068	0.053	1.894	16.032	49.446 U	0.269	0.505	1.168	2.67	2.577 U	22.7 T
G020	LW2-G020	0.692	0.422	9.565	114.038	268.772	3.163	3.798	6.177	12.918	12.136	432 T
G038	LW2-G038	0.259	0.376	7.159	84.395	217.666	12.636	5.142	5.365	9.504	6.526	349 T
G060	LW2-G060	0.326	0.335	3.121	29.19	86.705	0.991	1.927	2.219	3.133	2.603	131 T
G061	LW2-G061	0.165	8.048	157.584	1025.117	1230.736 J	1.743	4.932	11.343	19.189	11.476	2470 JT
G062	LW2-G062	1.253	7.639	60.984	472.64	2250.706 J	3.268	20.955	62.858	134.296	110.931	3130 JT
G064	LW2-G064	0.308 T	0.317 T	4.218 T	38.942 T	110.868 JT	0.905 T	1.328 T	2.109 T	4.816 T	4.58 JT	168 JT
G066	LW2-G066	0.201	0.081	2.369	22.844	78.895	0.644	0.926	1.541	2.589	2.278 J	112 JT
G077	LW2-G077	0.168	0.044 U	0.781	14.133	50.236	0.13	0.718	1.431	2.925	2.769 J	73.3 JT
G086	LW2-G086	0.335	0.129	5.323	37.503	118.442	0.911	2.605	4.933	9.138	6.577	186 T
G105	LW2-G105	2.031	3.06	15.608	90.567	279.545	7.673	11.679	14.649	27.743	14.629	467 T
G111	LW2-G111	0.5	0.353	7.795	65.595	252.468	2.567	3.951	7.962	19.749	20.462	381 T
G127	LW2-G127	0.141 U	0.388	3.646	51.523	173.111	1.748	3.149	6.667	14.805	14.015 J	269 JT
G133	LW2-G133	1.124 T	0.057 UT	15.543 T	287.706 T	423.094 T	2.854 T	10.312 T	18.723 T	26.217 T	22.359 JT	808 JT
G163	LW2-G163	0.006 U	0.011 U	0.222	1.677	5.93 U	0.01 U	0.01 U	0.247	0.337	0.213 U	2.48 T
G185	LW2-G185	0.62	1.647	97.41	1276.885	1305.818	8.477	24.683	35.481	36.734	16.878	2800 T
G192	LW2-G192	0.75	1.423	15.433	141.073	613.049	23.052	53.632	84.048	78.309	31.288	1040 T
G207	LW2-G207	0.369	4.839	30.535	165.584	386.587	0.859	5.131	10.388	20.069	12.748	637 T
G210	LW2-G210	0.426	0.733	15.854	155.635	634.117	4.151	9.111	18.746	42.025	0.137 U	881 T
G245	LW2-G245	0.082 U	0.273	6.253	45.099	147.439	2.236	4.062	9.668	9.638	6.369	231 T
G247	LW2-G247	1.573	2.962	36.348	251.27	888.143	5.419	37.81	78.241	188.07	100.878	1590 T
G260	LW2-G260	0.596 T	0.918 T	11.147 T	83.395 T	272.882 JT	1.453 T	6.065 T	11.436 T	44.874 T	44.792 JT	478 JT
G307	LW2-G307	7.778	51.427	349.855	840.217	774.325	5.245	6.734	16.081	30.788	16.241	2100 T
G313	LW2-G313	3.098	6.086	49.941	323.367	1616.044	16.707	27.727	53.358	98.445	61.629	2260 T
G314	LW2-G314	7.241	1.409	15.137	108.323	374.45	20.087	27.068	31.292	33.944	29.491	648 T
G315	LW2-G315	0.57	0.196	5.616	45.961	199.545	34.088	45.313	36.001	25.618	14.847	408 T
G316	LW2-G316	0.724	0.068	2.155	13.12	34.065	0.447	0.565	0.854	1.721	1.637	55.4 T
G317	LW2-G317	0.017	0.023 U	0.913	8.016	29.565	0.647	0.931	1.634	2.671	1.743 J	46.1 JT
G321	LW2-G321	6.366	3.816	23.647	175.378	744.018	29.18	43.243	60.801	77.612	60.082	1220 T
G323	LW2-G323	1.84	0.186	3.697	33.195	95.122	2.451	4.332	4.951	7.182	7.436	160 T
G324-1	LW2-G324-1	37.607 T	3.18	40.59	456.491	844.465 J	17.876	20.822	26.022	48.095	66.72 J	1560 JT
G324-2	LW2-G324-2		0.888	8.807	86.936	408.577 J	9.581	13.415	17.554	16.932	14.214 J	577 JT
G325	LW2-G325	1.856	1.917	9.579	78.552	271.313	19.284	22.47	31.188	26.969	21.653	485 T
G326	LW2-G326	4.181	4.141	33.255	241.438	1046.002 J	19.447	41.569	74.748	134.516	82.368	1680 JT
G327	LW2-G327	50.687	5.048	14.879	1.324	480.302	40.47	100.827	2.342	7.975	28.507	732 T
G329	LW2-G329	1.848	0.167 U	4.01	45.419	108.001	9.712	8.931	11.32	8.572	7.266	205 T
G330	LW2-G330	26.185	22.078	47.796	160.444	532.648	212.717	102.016	116.36	71.272	60.002	1350 T
G331	LW2-G331	213.877	6.054	147.2	1336.211	2065.098 J	33.49	24.345	33.473	63.503	69.796	3990 JT

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Table C2-4. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Surface Sediment Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
G332	LW2-G332	416.466	133.449	247.203	938.405	3839.061	3878.27	1599.126	633.542	526.522	535.23	12700 T
G333	LW2-G333	60.379	2.499	84.895	405.261	1085.422 J	120.827	327.36	336.755	256.269	217.319	2900 JT
G334	LW2-G334	7.372	2.643	7.092	50.348	167.819	52.446	78.874	79.344	52.607	44.406	543 T
G335	LW2-G335	238.675	5.132	9.289	52.105	111.839	84.671	33.639	34.99	24.034	42.163	637 T
G351	LW2-G351	1.062	0.491	18.512	254.135	869.815	444.544	945.392	1301.767	535.271	443.899 U	4370 T
G351-2	LW2-G351-2	1.221 T	0.7195 T	35.396 T	480.041 T	1354.968 T	1017.676 T	1545.0985 T	935.74 T	408.335 T	364.051 T	6140 T
G372-1	LW2-G372-1	0.092 UT	0.154 UT	4.816 T	51.796 T	174.033 T	0.922 T	2.049 T	4.689 T	16.102 T	10.863 T	265 T
G372-2	LW2-G372-2	0.105 U	0.131 U	11.869	128.443	395.947	0.763	1.564	7.278	16.962	13.161	576 T
G374	LW2-G374	0.747	0.056	5.31	40.439	118.604	0.783	1.525	4.263	9.107	8.55	189 T
G377	LW2-G377	0.347	0.511	3.555	35.704	137.668	1.444	6.282	4.91	19.928	22.525	233 T
G397	LW2-G397	0.651	0.332	15.868	158.995	562.424	1.166	11.994	68.247	152.835	88.359	1060 T
G403	LW2-G403	0.229	0.236	1.696	16.984	59.654 J	0.408	1.203	2.966	4.066	3.232	90.7 JT
G420	LW2-G420	16.803 T	3.655 T	8.632 T	15.514 T	100.156 JT	16.96 T	26.097 T	5.144 T	5.762 T	10.074 JT	209 JT
G426	LW2-G426	3.005	7.153	596.039	7095.84	19201.141 J	9.163	68.479	307.668	274.75	91.649	27700 JT
G437	LW2-G437	0.149	0.369	2.621	35.904	153.532	0.381	2.581	4.548	6.331	3.572	210 T
G450-1	LW2-G450-1	0.962	0.331	10.435	119.366	566.372	1.492	3.189	10.175	34.08	57.757	804 T
G450-2	LW2-G450-2	0.11 UT	0.109 UT	0.142 UT	2.369 T	6.462 JT	0.074 UT	0.103 UT	0.095 UT	0.19 UT	1.07 JT	9.9 JT
G454	LW2-G454	0.16	0.12	1.927	9.366	30.283	0.462	2.42	2.126	2.551	1.693 J	51.1 JT
BT001	LW2-GBT001	0.044	0.015 U	0.391	4.903	18.149	1.355	5.264	9.385	4.103	3.02 J	46.6 JT
BT002	LW2-GBT002	0.561	0.298	3.772	46.666	189.907	21.284	7.707	5.838	17.819	22.879	317 T
BT003	LW2-GBT003	0.322	0.302	4.709	42.652	115.297	1.824	1.34	1.581	3.038	3.498	175 T
BT004	LW2-GBT004	0.112	0.069	4.409	55.307	60.799	0.078	0.38	1.41	2.201	2.085 J	127 JT
BT005	LW2-GBT005	0.276	0.979	6.622	27.368	158.493	0.999	2.524	4.469	7.581	4.976	214 T
BT0061	LW2-GBT006-1	0.306	0.186	3.825	32.261	112.439	1.319	2.097	3.791	6.439	5.613	168 T
BT0062	LW2-GBT006-2	0.013 UT	0.164 T	2.06 T	17.8 T	57.3 T	0.252 T	0.815 T	1.84 T	3.89 T	4.68 T	88.8 T
BT007	LW2-GBT007	0.098	0.289	12.588	247.646	1028.44 J	0.077	0.949	20.6	129.909	159.847	1600 JT
BT008	LW2-GBT008	0.023 U	0.711	25.537	319.068	1094.901	2.731	70.625	179.375	185.679	86.347	1960 T
BT009	LW2-GBT009	0.081	0.207	26.618	447.668	2042.325 J	0.541	7.039	94.358	158.73	55.147	2830 JT
BT010	LW2-GBT010	0.335	0.023 U	2.781	17.263	68.937	0.481	1.388	2.714	5.189	4.376	103 T
BT011	LW2-GBT011	0.577	0.704	13.374	160.844	294.553	2.099	3.346	7.042	12.222	11.83	507 T
BT012	LW2-GBT012	1.294	1.635	8.592	57.685	230.439	7.598	13.252	21.581	22.654	11.432	376 T
BT013	LW2-GBT013	0.459	1.01	8.848	73.809	369.849	1.548	3.928	10.494	26.719	28.18	525 T
BT014	LW2-GBT014	0.717	0.546	9.427	104.982	265.163	4.093	4.293	6.061	8.079	8.221	412 T
BT015	LW2-GBT015	0.604	0.513	4.283	40.173	149.982	11.794	37.099	25.125	10.185	9.977	290 T
BT016	LW2-GBT016	0.291	0.88	12.858	110.651	422.54	1.71	9.814	21.914	26.632	16.493	624 T
BT017	LW2-GBT017	22.631	25.377	23.509	74.136	176.518	369.56	208.993	121.233	42.817	47.535	1110 T
BT018	LW2-GBT018	0.612	0.622	8.487	136.305	355.476	206.034	864.359	1798.973	562.068	237.868	4170 T
BT019	LW2-GBT019	0.621	1.231	23.186	279.678	1296.605	1.527	13.745	69.699	91.59	35.3	1810 T
BT020	LW2-GBT020	2.395	3.752	26.084	197.996	700.332	8.122	14.344	30.762	57.793	52.149	1090 T
BT021	LW2-GBT021	0.262	0.218	1.977	16.039	45.845	0.777	0.613	1.17	2.289	1.842 U	69.2 T
BT022	LW2-GBT022	0.567	1.88	25.747	268.572	1043.1	2.007	6.407	24.442	57.779	47.957	1480 T
BT023	LW2-GBT023	0.182	0.02 U	2.068	15.641	81.868	0.11	0.568	2.237	6.099	6.547	115 T
BT024	LW2-GBT024	0.01 U	0.011 U	0.781	6.465	32.186	0.195	0.372	1.016	1.666	1.25 U	42.7 T
BT025	LW2-GBT025	0.25	0.116	3.124	24.914	113.131	0.918	1.82	3.076	6.606	6.94	161 T
BT026	LW2-GBT026	0.439	0.409	9.577	130.055	570.305	1.174	4.73	36.288	118.985	116.363	988 T
BT0271	LW2-GBT027-1	0.296	0.2	2.599	24.306	84.38	0.08 U	1.113	2.775	4.19	3.211 J	123 JT
BT0272	LW2-GBT027-2	0.976 T	1.06 T	8.13 T	58.4 T	204 T	3.28 T	5.33 T	7.73 T	14.4 T	14 T	317 T
BT028	LW2-GBT028	11.549	11.955	105.329	1053.702	5954.005 J	24.224	38.895	114.762	371.902	618.586	8300 JT
BT029	LW2-GBT029	0.889	1.08	10.739	81.497	299.506	2.562	5.252	14.078	27.549	22.231	465 T
BT030	LW2-GBT030	1.405	2.04	17.986	160.52	579.098	5.454	7.399	25.943	31.572	35.959	867 T
BT031	LW2-GBT031	0.631	0.628	4.173	38.143	194.449	1.027	1.85	3.965	8.414	9.216	262 T
BT032	LW2-GBT032	2.03	3.445	51.531	454.159	2089.664 J	8.051	29.983	194.604	385.13	267.667	3490 JT
BT033	LW2-GBT033	0.569	0.491	4.109	29.307	112.187	0.337	1.48	4.53	9.49	10.811	173 T
U1C-1	LW2-U1C-1	0.114 T	0.243 T	3.313 T	33.141 T	211.997 JT	0.55 T	3.372 T	18.148 T	24.592 T	12.043 T	308 JT
U1C-2	LW2-U1C-2	0.189	0.246	1.344	4.888	18.856 U	0.321	0.699	1.191	1.635	1.076 U	10.5 T
U1C-3	LW2-U1C-3	0.131	0.041	0.52	2.341	8.635 U	0.047	0.181	0.467	0.759	0.666 U	4.49 T
U2C-1	LW2-U2C-1	0.167	0.146	1.093	7.128	30.816 U	0.185	0.376	0.984	2.59	3.637 U	12.7 T
U2C-2	LW2-U2C-2	0.14	0.233	1.306	7.33	35.95 U	0.496	0.863	1.196	2.292	1.973 U	13.9 T
U2C-3	LW2-U2C-3	0.14	0.117	1.04	6.793	24.88 U	0.193	0.327	0.752	1.299	1.162 U	10.7 T
U3C-1	LW2-U3C-1	0.337	0.304	5.096	40.814	105.982	0.339	0.65	1.425	2.382	2.143	159 T
U3C-2	LW2-U3C-2	0.138	0.068	0.612	3.055	11.67	0.179	0.251	0.446	0.896	1.021 J	18.3 JT
U3C-3	LW2-U3C-3	0.464	0.257	1.472	7.672	30.125	0.506	0.636	1.193	2.289	2.417 U	44.6 T
U4Q-1	LW2-U4Q-1	0.014 U	0.019 U	0.368	2.236	7.779 U	0.023 U	0.101	0.356	0.639	0.669 U	3.7 T
U4Q-2	LW2-U4Q-2	0.014 U	0.01 U	0.453	3.345	11.423 U	0.014 U	0.107	0.345	0.894	1.242 U	5.14 T
U4Q-3	LW2-U4Q-3	0.174	0.009 U	0.925	5.051	15.389 U	0.172	0.382	0.62	1.077	0.857 U	8.4 T
U5Q-1	LW2-U5Q-1	0.085 T	0.06 T	0.73 T	3.701 T	11.948 UT	0.392 T	0.353 T	0.675 T	1.102 T	0.578 UT	7.1 T
U5Q-2	LW2-U5Q-2	0.121	0.041	1.625	11.57	38.094	0.078	0.235	1.067	4.511	3.802	61.1 T
U5Q-3	LW2-U5Q-3	0.07	0.009 U	0.421	2.471	8.249 U	0.014 U	0.156	0.334	0.618	0.492 U	4.07 T
U6TOC-1	LW2-U6TOC-1	0.106	0.01 U	0.585	2.828	10.322 U	0.106	0.114	0.424	0.84	0.846 U	5 T
U6TOC-2	LW2-U6TOC-2	0.019 U	0.018 U	0.053	1.58	5.947 U	0.03 U	0.069	0.201	0.487	0.462 U	2.39 T
U6TOC-3	LW2-U6TOC-3	0.021 U	0.031	0.703	3.799	20.046 U	0.125	0.201	0.521	1.092	1.268 U	6.47 T
02R001	LWG0102R001SDS015C00	5.58 NJ	4.33 NJ	40.4 NJ	366 NJ	1070 NJ	25.2 NJ	24.8 NJ	34.2 NJ	71.1 NJ	63.1 NJ	1700 JT
03R003	LWG0103R003SDS015C10	1.25 NJ	0.749 NJ	14.2 NJ	115 NJ	482 NJ	2.14 NJ	5.76 NJ	14.4 NJ	38.2 NJ	35.6 NJ	709 JT
03R004	LWG0103R004SDS015C11	3.32 NJ	3.67 NJ	32.1 NJ	296 NJ	1360 NJ	10.2 NJ	23.1 NJ	41.2 NJ	144 NJ	163 NJ	2080 JT
03R005	LWG0103R005SDS015C00	13.2 NJ	19.6 NJ	124 NJ	984 NJ	4220 NJ	96.3 NJ	147 NJ	184 NJ	347 NJ	280 NJ	6420 JT
06R002	LWG0106R002SDS015C10	40.4 NJT	124 NJT	349 NJT	1280 NJT	3970 NJT	470 NJT	2700 NJT	1640 NJT	340 NJT	137 NJT	11100 JT
06R002	LWG0106R002SDS015C20	46.1 NJ	141 NJ	330 NJ	1010 NJ	4370 NJ	362 NJ	1650 NJ	1280 NJ	966 NJ	828 NJ	11000 JT
06R002	LWG0106R002SDS015C31	32.9 NJT	114 NJT	306 NJT	826 NJT	2150 NJT	422 NJT	1890 NJT	1040 NJT	247 NJT	116 NJT	7140 JT
06R004	LWG0106R004SDS015C00	114 NJ	5.33 NJ	19 NJ	168 NJ	383 NJ	28.4 NJ	22.4 NJ	26 NJ	28.6 NJ	25.3 NJ	820 JT
07R006	LWG0107R006SDS015C00	3.72	2 U	55.6	686	2410	35800	64700	100000	39100	20800	264000 T

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Table C2-4. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Surface Sediment Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
08R003	LWG0108R003SDS015C00	2.11 NJ	1.84 NJ	15.5 NJ	100 NJ	490 NJ	5.98 NJ	12 NJ	19.5 NJ	41.2 NJ	29.7 NJ	718 JT
09R002	LWG0109R002SDS015C00	6.73 NJ	14.8 NJ	123 NJ	969 NJ	3670 NJ	21.3 NJ	54.6 NJ	113 NJ	236 NJ	232 NJ	5440 JT
RP03CPG	LWG2-PG-RP3C	0.285	0.408	2.735	26.485	120.066	25.685	74.444	70.137	31.357	18.334	370 T
RP07BPG	LWG2-PG-RP7B	1.921	1.363	16.718	181.717	448.657	107.997	202.492	248.939	76.339	59.619	1350 T
WR-PG-36	WLCDRD05PG03636	0.282	0.585	6.034	35.233	119.242	3.447	8.158	4.988	6.765	7.26 J	192 JT
WR-PG-56	WLCDRD05PG05656	0.767	0.501	6.106	49.925	209.406	12.031	15.08	13.32	12.808	14.005	334 T
WR-PG-58	WLCDRD05PG05858	0.215	0.038 U	10.58	115.338	572.872	1.472	6.601	25.508	59.979	58.33	851 T
WR-PG-60	WLCDRD05PG06060	4.101	11.712	119.806	1182.306	6374.098 J	7.774	70.923	315.524	811.625	771.04	9670 JT
WR-PG-62	WLCDRD05PG06262	0.057 U	0.04 U	5.227	43.319	165.105	2.047	3.649	5.961	11.812	12.682	250 T
WR-PG-64	WLCDRD05PG06464	1.939	0.863	13.544	46.658	401.536	22.687	35.998	94.712	71.547	61.501	751 T
WR-PG-66	WLCDRD05PG06666	0.081 U	0.089 U	7.217	51.641	220.763	6.848	11.649	20.399	20.545	15.064	354 T
WR-PG-68	WLCDRD05PG06868	2.461	0.395 U	18.745	173.936	622.147 J	181.965	400.189	350.605	133.447	94.842 J	1980 JT
WR-PG-70	WLCDRD05PG07070	0.099 U	0.1 U	6.494	75.786	224.324	40.544	59.544	83.652	57.208	70.469	618 T
WR-PG-72	WLCDRD05PG07272	0.09 U	0.103 U	5.108	59.2	175.512	24.74	71.015	78.554	31.157	23.673	469 T
WR-PG-Ref01	WLCDRD05PGR01Ref01	0.057 U	0.053 U	1.539	8.437	41.823	0.084 U	0.24	0.831	2.063	2.179 J	57.1 JT
WR-PG-Ref02	WLCDRD05PGR02Ref02	0.611	0.082 U	2.616	25.04	87.909	0.108 U	0.705	1.851	4.627	5.145	129 T
WR-PG-Ref03	WLCDRD05PGR03Ref03	0.34	0.042 U	2.065	11.783	47.52	0.05 U	0.487	0.848	4.784	4.312 J	72.1 JT
SED099-05	WLCMBJ99D09905D09905	5	5.6	93	440	1600	12	38	130	140	65	2530 T
SED099-11	WLCMBJ99D09911D09911	1 U	4.8 U	38	400	1700	1 U	5.2	130	160	110	2540 T
SED099-14	WLCMBJ99D09914D09914	1 U	4.9 U	23	320	1400	1 U	6.4	77	140	93	2060 T
SED099-16	WLCMBJ99D09916D09916	22	80	970	6900	29000	24	110	1100	1300	740	40200 T
SED099-18	WLCMBJ99D09918D09918	1 U	24	450	3100	12000	1.4	52	550	590	270	17000 T
SED099-19	WLCMBJ99D09919D09919	1 U	4.9 U	6.4 U	140	590	1 U	4.9 U	16	50	55	851 T
SED099-21	WLCMBJ99D09921D09921	4	22	360	2700	11000	3.3	49	300	440	270	15100 T
SED099-22	WLCMBJ99D09922D09922	12	80	560	2900	9400	1 U	27	270	400	240	13900 T
SED099-25	WLCMBJ99D09925D09925	1.6	4.9 U	86	860	3100	1.1	14	150	180	120	4510 T
SED099-33	WLCMBJ99D09933D09933	12	210	2000	11000	39000	19	100	1800	1400	630	56200 T
SED099-33	WLCMBJ99D09933D09950	19	140	1300	7500	27000	21	86	910	850	360	38200 T
SED099-37	WLCMBJ99D09937D09937	1 U	6.3	280	1600	5800	1.8	8.6	210	330	240	8480 T

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-5 Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN
	Chemical Name	2,3,7,8-Tetrachloro dibenzo-p-dioxin	1,2,3,7,8-Pentachloro dibenzo-p-dioxin	1,2,3,4,7,8-Hexachloro dibenzo-p-dioxin	1,2,3,7,8,9-Hexachloro dibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachloro dibenzo-p-dioxin	Octachloro dibenzo-p-dioxin	1,2,3,6,7,8-Hexachloro dibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
B001	LW2-B001	0.025 U	0.028 U	0.041 U	0.057 U	1.857	11.545	0.074 J	0.019 U	0.021 U	0.023 U	0.027 U	0.029 U	0.035 U	0.03 U	0.197 U	0.036 U	0.798 J	0.0272 JT
B002	LW2-B002	0.017 U	0.018 U	0.029 U	0.097 U	3.827	32.152	0.138 J	0.232	0.051 U	0.14 J	0.136 J	0.053 J	0.02 U	0.055 J	0.481 U	0.054 U	1.664	0.173 JT
B003	LW2-B003	0.026 U	0.028 U	0.032 U	0.034 U	4.074	31.265	0.104 J	0.022 U	0.023 U	0.025 U	0.022 U	0.023 U	0.025 U	0.022 U	0.315 U	0.052 U	1.922	0.0545 JT
B004	LW2-B004	0.016 U	0.077 J	0.081 U	0.288 J	12.25	107.491	0.511 J	1.262	0.374 J	1.102	0.81 J	0.294 J	0.021 U	0.409 J	1.937	0.177 J	4.069	1.16 JT
B005	LW2-B005	0.021 U	0.027 U	0.034 U	0.09 U	3.68	32.833	0.125 J	0.101 U	0.039 U	0.037 U	0.119 J	0.063 J	0.02 U	0.05 J	0.544 J	0.049 U	1.501 J	0.0814 JT
B006	LW2-B006	0.018 U	0.043 J	0.045 U	0.181 J	5.141	38.395	0.235 J	0.087 U	0.014 U	0.037 J	0.074 J	0.024 U	0.026 U	0.043 J	0.705 J	0.054 U	1.501 J	0.177 JT
B007	LW2-B007	0.031 UT	0.037 JT	0.036 UT	0.101 JT	3.0585 T	23.7775 T	0.131 JT	0.1825 T	0.079 JT	0.085 JT	0.216 JT	0.087 JT	0.028 UT	0.024 UT	0.4055 JT	0.059 UT	1.0915 JT	0.192 JT
B008	LW2-B008	0.019 U	0.077 J	0.163 J	0.474 J	16.677	125.521	0.584 J	0.127 J	0.058 U	0.093 J	0.204 J	0.137 J	0.032 U	0.188 J	2.465	0.195 J	5.453	0.518 JT
B009	LW2-B009	0.017 U	0.024 U	0.033 U	0.448 J	134.045	954.539 J	7.031	0.411	1.841	11.745	49.474	7.479	0.095 U	8.593	62.588	7.34	126.442	15.5 JT
B010	LW2-B010	0.063 U	0.769 J	3.14	13.44	326.429 J	2758.606 J	8.572	0.208	0.553 J	2.385	9.683	1.698	0.134 U	2.42	33.38	3.136	285.206	10 JT
B011	LW2-B011	0.011 U	0.015 U	0.026 J	0.094 U	3.109	23.422	0.13 J	0.011 U	0.014 U	0.014 U	0.079 J	0.028 J	0.022 U	0.035 U	0.396 J	0.051 U	1.013 J	0.0638 JT
B012	LW2-B012	0.036 U	0.104 J	0.166 J	0.506	40.369	275.859	1.787	5.366	14.839	6.12	14.086	3.774	0.196 J	1.646	9.077	1.36	19.894	7.2 JT
B015	LW2-B015	0.012 U	0.077 J	0.113 U	0.435 J	14.927	131.195	0.738	0.079 J	0.052 U	0.08 J	0.302 J	0.112 J	0.019 U	0.165 J	2.022	0.104 J	7.304	0.484 JT
B016	LW2-B016	0.045 JT	0.3195 JT	0.031 UT	2.4695 JT	216.1575 T	1420.139 JT	4.999 T	2.452 T	2.7475 T	1.3275 T	3.853 JT	1.1365 T	0.467 JT	0.743 JT	11.461 T	0.9425 JT	65.647 T	5.21 JT
B017	LW2-B017	0.024 U	0.08 J	0.099 J	0.297 J	11.931	71.247	0.702 J	0.074 U	0.086 J	0.107 J	0.194 U	0.105 J	0.03 U	0.152 J	1.294	0.089 U	1.925	0.413 JT
B018	LW2-B018	0.484	0.41 J	0.507 U	1.509	25.755	123.631	2.112	153.626	146.45	54.222	174.865	48.45	2.549	10.781	55.686	21.959	59.187	75.8 JT
B019	LW2-B019	0.04 J	0.197 J	0.376 J	0.777 J	20.801	134.149	1.129	0.108 J	0.152 J	0.141 U	0.706 J	0.417 J	0.035 U	0.508 J	7.359	0.406 J	18.69	0.948 JT
B020	LW2-B020	0.022 U	0.083 U	0.169 U	0.547 J	23.951	272.44	0.819 J	0.053 U	0.082 J	0.177 J	0.638 J	0.646 J	0.039 U	0.376 J	6.042	0.313 J	16.749	0.717 JT
B021	LW2-B021	0.056 U	0.125 J	0.137 J	0.534 J	14.931	144.695	0.849	2.8	1.041	1.858	1.374	0.662 J	0.033 U	0.866	3.941	0.311 J	7.825	2.04 JT
B022-1	LW2-B022-1	0.099 J	0.531 J	0.98	2.857	140.389	1055.291 J	6.86	0.842	0.524 J	0.931	2.498	1.519	0.576 J	2.307	26.806	1.499	61.428	4.79 JT
B022-2	LW2-B022-2	0.037 U	0.214 J	0.319 J	0.836 J	30.858	264.025	1.727	0.307	0.204 J	0.349 J	0.796 J	0.404 J	0.043 U	0.607 J	5.515	0.367 J	9.621	1.29 JT
B023	LW2-B023	0.02 U	0.075 U	0.134 U	0.454 J	17.705	142.29	0.863	0.135 U	0.057 U	0.15 U	0.475 J	0.222 J	0.039 U	0.337 J	3.321	0.178 U	6.899	0.46 JT
B024	LW2-B024	1.291	0.666 J	1.023	3.772	154.258	1659.661 J	5.697	0.636	0.341 U	0.663 J	1.55	1.569	0.063 U	1.421	26.99	0.837 J	128.235	5.85 JT
B025-1	LW2-B025-1	0.091 UT	0.141 JT	0.225 JT	0.8695 T	30.6425 T	247.821 T	1.2035 T	0.556 T	0.3235 JT	0.633 T	1.002 T	0.4595 JT	0.023 UT	0.6085 JT	5.23 JT	0.387 JT	17.4495 T	1.36 JT
B025-2	LW2-B025-2	0.118 U	0.097 J	0.183 J	0.681 J	31.972	253.648	0.95	0.399	0.205 J	0.411 J	0.557 J	0.318 J	0.017 U	0.417 J	5.996	0.348 J	23.52	1.08 JT
B026	LW2-B026	0.048 U	0.124 J	0.177 J	0.604 J	26.153	384.689	1.083	0.175 J	0.099 J	0.215 J	0.653 J	0.302 J	0.02 U	0.497 J	5.118	0.417 J	27.874	0.944 JT
C060	LW2-C060-A	0.012 U	0.015 U	0.037 J	0.136 J	11.3	82.5	0.305 J	0.373	0.238 J	0.138 J	0.321 J	0.14 J	0.015 U	0.061 J	0.894 J	0.073 U	2.919 U	0.348 T
C067	LW2-C067-A	0.007 U	0.093 J	0.409 J	2.44	143	830	2.56	0.172 U	0.127 J	0.112 J	0.309 J	0.131 J	0.036 U	0.109 J	3.46	0.188 J	10.8	2.3 T
C084	LW2-C084-A	0.046 U	0.145 J	0.183 J	0.608 J	24.211	248.632	0.97 J	0.291 J	0.117 U	0.167 J	0.505 J	0.238 J	0.02 J	0.312 J	6.74	0.326 J	35.151	0.882 T
C092	LW2-C092-A	0.033 UU	0.542 J	0.681 J	1.623 J	86.829 J	1029.605 J	3.01 J	4.414 J	1.661 J	1.643 J	4.903 J	1.539 J	0.148 UJ	0.968 J	18.696 J	2.561 J	89.338 J	4.36 T
C093	LW2-C093-A	0.172 J	0.567 J	0.544 J	2.2	87.4	684	5.17	1.7	1.04 J	1.06 J	2.69	3.19	0.057 J	0.649 J	17.4	0.874 J	35.8	4.07 T
C094	LW2-C094-A	0.083 U	0.327 J	0.421 J	1.449 J	70.06	582.679	3.095	1.095	0.479 J	0.551 J	1.113 J	0.56 J	0.036 J	0.35 J	10.223	0.465 J	28.807	2.31 T
C111-2	LW2-C111-A2	0.028 U	0.238 J	0.449 J	1.27 J	67.5	769	2.44	0.866	0.589 J	0.463 J	1.5 J	0.604 J	0.054 U	0.264 U	15.2	0.992 J	75.8	2.13 T
C144	LW2-C144-A	0.013 U	0.012 U	0.02 U	0.019 U	2.08	16.2 J	0.022 U	0.1 U	0.012 U	0.013 U	0.033 U	0.017 U	0.018 U	0.018 U	0.459 J	0.036 U	1.365 U	0.027 T
C196	LW2-C196-A	0.018 U	0.169 J	0.16 U	0.475 J	37.6	409	1.8	0.655	0.486 J	0.318 J	1.1 J	0.644 J	0.015 U	0.2 J	11.5	0.416 J	30.6	1.38 T
C290	LW2-C290-A	0.006 U	0.01 U	0.054 J	0.009 U	14	134	0.534 J	0.099	0.088 J	0.082 J	0.542 J	0.144 U	0.008 U	0.07 J	2.61	0.218 J	6.547 U	0.357 T
C291	LW2-C291-A	0.013 U	0.353 U	0.661 J	2.25	52.4	439	2.96	0.275 J	0.216 J	0.234 J	1.23 J	0.407 J	0.027 U	0.449 J	7.67	0.478 J	20.9	1.6 T
C348	LW2-C348-A	0.026 U	0.09 U	0.081 U	0.815 J	36.6	361	1.372 U	60.7	269	76.8	492	146	5.62	20.4	177	68.6	262	127 T
C426	LW2-C426-A	0.163 J	0.344 J	0.533 J	1.88 J	112	1380	3.56	0.88	0.22 J	0.349 J	1.21 J	0.794 J	0.057 J	0.375 J	21.9	0.935 J	141	3.15 T
C523	LW2-C523-A	0.011 U	0.019 U	0.012 U	0.013 U	1.315 J	11.054	0.081 J	0.172 U	0.119 J	0.055 J	0.204 J	0.064 J	0.009 U	0.01 U	0.252 J	0.034 J	0.579 J	0.0855 T
D1-1	LW2-D1-1	0.012 UT	0.02 JT	0.027 JT	0.08 JT	2.339 UT	17.755 UT	0.146 JT	0.08 UT	0.036 JT	0.029 JT	0.081 JT	0.036 JT	0.009 UT	0.009 UT	0.457 UT	0.042 JT	1.793 UT	0.0737 JT
D1-2	LW2-D1-2	0.011 U	0.025 U	0.054 J	0.182 J	6.873 U	59.537 U	0.342 J	0.168 J	0.006 U	0.007 U	0.165 J	0.078 J	0.048 U	0.048 U	1.363 U	0.085 U	6.815 U	0.0989 JT
D2	LW2-D2	0.008 U	0.008 U	0.035 J	0.14 J	6.896 U	49.446 U	0.252 J	0.058 J	0.036 J	0.026 J	0.084 U	0.042 J	0.006 U	0.007 U	0.783 U	0.051 J	2.577 U	0.068 JT
0004	LW2-0004																		
0007-1	LW2-0007-1																		
0009	LW2-0009																		
0016	LW2-0016																		
0019	LW2-0019																		
0020	LW2-0020	0.032 U	0.082 U	0.054 U	0.589 J	30.843	268.772	1.05 J	0.675	0.337 J	0.454 J	0.635 J	0.247 J	0.017 U	0.298 J	3.72	0.285 J	12.136	0.975 JT
0025	LW2-0025																		
0028	LW2-0028																		
0036	LW2-0036																		
0038	LW2-0038	0.026 U	0.114 J	0.172 J	0.462 J	25.84	217.666	0.992	1.556	0.4 J	0.469 J	0.464 J	0.241 J	0.11 U	0.264 J	3.039	0.148 J	6.526	1.1 JT
0043	LW2-0043																		
0057	LW2-0057																		
0060	LW2-0060	0.021 U	0.038 J	0.045 J	0.191 J	9.335	86.705	0.316 J	0.204	0.14 J	0.073 U	0.243 J	0.105 J	0.026 U	0.111 J	0.978	0.071 J	2.603	0.279 JT
0061	LW2-0061	0.037 U	0.428 J	1.454 U	11.458	246.964	1230.736 J	8.947	0.694	0.44 J	0.563 J	0.813 J	0.294 J	0.162 J	0.301 J	7.537	0.227 J	11.476	5.67 JT
0062	LW2-0062	0.163 J	1.069	1.877 U	6.051	247.172	2250.706 J	9.913	0.339	0.559 J	0.565 J	2.434	1.816	0.426 J	2.628	37.058	2.425	110.931	7.01 JT
0064	LW2-0064	0.021 UT	0.047 JT	0.038 JT	0.234 JT	16.469 JT	110.868 JT	0.39 JT	0.238 T	0.44 J	0.108 JT	0.243 JT	0.089 JT	0.013 UT	0.09 JT	1.155 JT	0.083 JT	4.58 JT	0.429 JT
0066	LW2-0066	0.049 U	0.026 U	0.045 J	0.141 J	7.868	78.895	0.271 J	0.178 J	0.147 J	0.062 U	0.233 J	0.096 J	0.023 U	0.081 J	0.765 J	0.045 U	2.278 J	0.207 JT
0067	LW2-0067																		
0077	LW2-0077	0.026 U	0.044 U	0.067 U	0.07 U	5.852	50.236	0.188 J	0.16 J	0.137 J	0.074 U	0.283 U	0.121 J	0.041 U	0.043 J	0.86 J	0.168 U	2.769 J	0.13 JT
0086	LW2-0086	0.027 U	0.028 U	0.16 J	0.34 J	15.252	118.442	0.639 J	0.303 U	0.148 J	0.142 J	0.443 J	0.188 J	0.046 U	0.185 U	3.079	0.194 U	6.577	0.451 JT
0090	LW2-0090																		
0092	LW2-0092																		
0093	LW2-0093																		
0095	LW2-0095																		
0096	LW2-0096																		
0103	LW2-0103																		
0105	LW2-0105	0.109 J	0.178 J	0.316 U	0.96 J	37.861	279.545	1.97	0.833	0.676 J	0.4 J	1.036 J	0.823 J	0.089 U	0.527 J	7.457	0.455 J	14.629	1.62 JT
0109	LW2-0109																		
0111	LW2-0111	0.048 U	0.123 U	0.094 U	0.6 J	27.349	252.468	1.245	0.385 U	0.181 U	0.282 J	0.751 J	0.352 J	0.048 U	0.415 J	4.759	0.533 J	20.462	0.831 JT
0112	LW2-0112																		
0117	LW2-0117																		
0127	LW2-0127	0.141 U	0.193 U	0.179 U	0.591 J	20.161	173.111	1.029 J	0.559 U	0.497 J	0.16 U	1.322 J	1.382 J	0.18 U	0.183 U	5.364 J	0.417 U	14.015 J	0.731 JT
0128	LW2-0128																		
0133	LW2-0133	0.048 UT	0.057 UT	0.084 UT	0.417 JT	59.741 JT	423.094 T	1.84 JT	1.849 JT	0.725 JT	1.944 JT	6.644 JT	6.73 JT	0.082 UT	0.234 JT	8.086 JT	0.376 UT	22.359 JT	3.5 JT
0139	LW2-0139																		
0147	LW2-0147																		
0149	LW2-0149																		
0163	LW2-0163	0.006 U	0.011 U	0.007 U	0.006 U	0.734 U	5.93 U	0.007 U	0.07 U	0.009 U	0.01 U	0.043 J	0.021 J	0.012 U	0.012 U	0.163 J	0.01 U	0.213 U	0.00803 JT
0178	LW2-0178																		
0184	LW2-0184																		
0185	LW2-0185	0.093 U	0.314 J	0.663 U	3.498	157.883	1305.818	6.312	2.855	5.435	2.062 J	5.728	1.735 J	0.348 U	1.248 J	10.56	0.787 J	16.878	5.58 JT
0192	LW2-0192	0.015 U	0.173 J	0.258 J	0.723 J	65.743	613.049	3.059	8.105	19.94	8.845	35.774	12.893	4.107	2.698	38.932	4.68	31.288	13.5 JT
0197-2	LW2-0197-2																		
0198	LW2-0198																		
0207	LW2-0207	0.023 U	0.238 J	1.126	3.026	76.183	386.587	2.54	0.257	0.289 J	0.202 J	0.652 J	0.408 J	0.046 U	0.194 J	6.722	0.352 J	12.748	2.05 JT
0208	LW2-0208																		
0210	LW2-0210	0.028 U	0.104 J	0.035 U	0.223 J	60.8	634.117	1.415	0.152 U	0.017 U	0.237 J	0.479 U	0.586 J	0.064 U	0.388 J	0.061 U	0.08 U	0.137 U	1.16 JT
0218	LW2-0218																		
0225	LW2-0225																		
0230	LW2-0230																		
0233	LW2-0233																		
0241	LW2-0241																		
0245	LW2-0245	0.082 U	0.137 U	0.362 U	0.371 U	18.522	147.439	1.216 U	0.69 U	0.925 J	0.38 J	1.844	2.119	0.213 U	0.291 U	3.149	0.588 U	6.369	0.865 JT
0247	LW2-0247	0.009 U	0.403 U	0.543 U	1.194	138.215	888.143	8.283	0.704	0.298 J	0.796 U	1.433	1.717	0.524 J	1.716	51.078	1.671	100.878	3.58 JT
0257	LW2-0257																		
0260	LW2-0260	0.008 UT	0.246 JT	0.237 JT	0.778 JT	43.71 JT	272.882 JT	2.417 JT	0.624 T	0.946 JT	2.216 JT	1.045 T	0.429 JT	0.289 JT	0.418 JT	10.631 JT	1.676 T	44.792 JT	2.62 JT
0273	LW2-0273																		
0280	LW2-0280																		
0282	LW2-0282																		
0293	LW2-0293																		

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Table C2-5. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	31508-00-6	PCB106_118	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB077	PCB081	PCB126	PCB169	PCB114	PCB118	PCB106 & 118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**															
B001	LWI-B001															
B002	LWI-B002	366	105	33.9	0.347	167		4840	1.50	3.44	82.3	122	17.9	2730	4.56 T	4.74 JT
B003	LWI-B003															
B004	LWI-B004	8080	1130	272	2.21	1970		56000	1500	3370	751	1150	241	31900	40.2 T	41.3 JT
B005	LWI-B005															
B006	LWI-B006															
B007	LWI-B007	6.04	0.947	0.923	0.206	1.89		78.4	1.45	14.6	2.83	6.66	2.81	33	0.116 T	0.309 JT
B008	LWI-B008	3.78	1.39	1.07	0.151	2.22		97.7	1.87	21.8	4.91	12.6	4.82	44.6	0.139 T	0.656 JT
B009	LWI-B009															
B010	LWI-B010															
B011	LWI-B011															
B012	LWI-B012															
B015	LWI-B015	1.85	0.352	0.237	0.151 U	0.444		16.9	0.381	2.21	0.708	1.15	0.371	7.84	0.0282 T	0.513 JT
B016	LWI-B016															
B017	LWI-B017	3.35	0.769	0.551 U	0.214 U	1.22		54.7	0.728	8.32	1.97	4.93	1.94	21.5	0.0141 T	0.427 JT
B018	LWI-B018	188	28.8	7.33	0.75 U	42.1		1180	32.9	131	20.5	59.1	31.4	693	1.05 T	76.8 JT
B019	LWI-B019															
B020	LWI-B020	15.5	4.15	2.44	0.395	6.94		351	4.77	58	11.3	28.3	13.7	133	0.339 T	1.06 JT
B021	LWI-B021															
B022-1	LWI-B022-1	140	35.7	18	1.2	51.4		2720	55.5	422	100	197	67.2	1110	2.51 T	7.3 JT
B022-2	LWI-B022-2	139	39.8	18.2	1.02 U	40.3		2870	55.2	588	119	264	99.5	1140	2.63 T	3.92 JT
B023	LWI-B023	7.78	1.43	1.85	0.594 U	2.6		115	2.16	41.1	9.48	35.7	23.1	61.9	0.233 T	0.693 JT
B024	LWI-B024	271	49.2	17.2	0.919 U	77.2		2830	72.8	333	81.9	161	41.5	1250	2.42 T	8.27 JT
B025-1	LWI-B025-1															
B025-2	LWI-B025-2															
B026	LWI-B026	199	37.9	31.8	4.34	72.5		3600	39.9	867	128	460	283	1290	4.31 T	5.25 JT
C060	LWI-C060-A															
C067	LWI-C067-A															
C084	LWI-C084-A															
C092	LWI-C092-A															
C093	LWI-C093-A	2770	1890	97.5	18.3	5480		257000	2910	31600	7140	11700	1600	88600	1.55 T	1.59 T
C094	LWI-C094-A															
C111-2	LWI-C111-A2															
C144	LWI-C144-A															
C196	LWI-C196-A															
C290	LWI-C290-A															
C291	LWI-C291-A															
C348	LWI-C348-A															
C426	LWI-C426-A															
C523	LWI-C523-A															
D1-1	LWI-D1-1	28.6 T	0.932 JT	3.18 T	0.751 UT	8.41 T		416 T	8.32 T	49.7 T	11.3 T	20.9 T	6.16 T	154 T	0.414 JT	0.488 JT
D1-2	LWI-D1-2															
D2	LWI-D2															
G004	LWI-G004	314	11	12.2	0.764 U	55.4		1770	48.4	163	36.9	64.1	13.8	929	1.66 T	
G007-1	LWI-G007-1	1260	42.3	41.3	1.13 J	245		7100	175	599	135	227	45.4	3590	5.85 JT	
G009	LWI-G009	10600	279	419	0.0981 U	2900		70100	2100	5290	1230	1960	281	40500	.59 T	
G016	LWI-G016	113	2.4 J	6.73 J	0.595 J	22.8		851	19.4	100	23.2	39.3	10.4 J	405	0.892 JT	
G019	LWI-G019	4250	217	158	2.31 J	909		24700	778	2030	457	771	143	14500	.22 JT	
G020	LWI-G020															
G025	LWI-G025	33900	1040	1040	11.2 J	9400		186000	5750	9980	2500	3760	395	108000	1.49 JT	
G028	LWI-G028	358	14.9	34.2	0.841 U	267		6310	174	363	81	134	27.3	3320	4.85 T	
G036	LWI-G036	35.6	0.789 J	4.27 J	0.507	11.6 J		469	9.12 J	75.5	15.4	30.8	8.2 J	186	0.555 JT	
G038	LWI-G038	214	11.4	9.78	0.925 U	34.3		1390	32.3	110	29.5	47.8	6.96	580	1.29 T	2.39 JT
G043	LWI-G043	76.4	1.41 J	6.16	0.653 U	19.5		855	16.6	97.4	21.5	39.6	11.6	350	0.817 JT	
G057	LWI-G057	35.4	0.591 J	3.43	0.638 U	7.15		494	8.01	58.6	12.1	25.7	11.1	149	0.452 JT	
G060	LWI-G060															
G061	LWI-G061															
G062	LWI-G062															
G064	LWI-G064															
G066	LWI-G066															
G067	LWI-G067	44.8	1.14 J	7.68	0.709 J	14.8		754	11.2	203	29.5	87.4	35.8	264	1.01 JT	
G077	LWI-G077															
G086	LWI-G086	195	80.6	62.7	1.26 J	363		14800	210	2010	441	721	100	5670	9.8 JT	10.3 JT
G090	LWI-G090	464	12.7	53.4	1.71 J	159		8390	113	1760	308	685	338	3240	7.73 JT	
G092	LWI-G092	1530	344	1110	10.3 J	3350		206000	2890	30900	7770	12600	1340	71200	161 JT	
G093	LWI-G093	1200	131	477	15.2	2230		117000	1570	12800	2920	5140	920	37700	72.7 T	
G095	LWI-G095	19.3	1.25 J	2.22 J	0.334 J	6.01		287	4.14	36.2	8.12	15.5	3.8	104	0.293 JT	
G096	LWI-G096	1.49	1.47	55.7	2.18 J	141		8430	138	1370	396	651	106	3100	7.75 JT	
G103	LWI-G103	123	4.43	14.6	0.988 J	49.5		1900	34.6	347	70.5	139	41.3	824	.2 JT	
G105	LWI-G105	50.4 T	1.88 JT	6.86 T	0.718 JT	21.1 T		1300 T	18 T	160 T	34.6 T	68.2 T	13.7 T	432 T	0.983 JT	2.61 JT
G109	LWI-G109	482	15.4	23.4	0.888 J	116		4140	78.1	555	122	203	32.6	1960	3.42 JT	
G111	LWI-G111															
G112	LWI-G112	588	20.1	30	0.856 J	152		5460	99.9	687	153	252	37.2	2460	4.37 JT	
G117	LWI-G117	43.9	0.867 J	5.83	0.712 J	13.9		852	14.6	110	27.6	52.7	11.9	297	0.788 JT	
G127	LWI-G127															
G128	LWI-G128	19.4	0.46 J	2	0.484 U	5.41		240	4.46	34.4	7.56	15.9	5.73	90.2	0.26 JT	
G133	LWI-G133															
G139	LWI-G139	93.9	43.2	13.3	0.826 U	71		3200	52.6	334	75.1	130	18.3	1180	2.03 T	
G147	LWI-G147	47.6	31.2	28	0.594 U	241		10100	162	1060	235	379	44.2	3860	.5 T	
G149	LWI-G149	23.8	0.981 J	3.08	0.517 U	5.7		396	6.44	48.2	10.4	21.8	8.15	122	0.396 JT	
G163	LWI-G163															
G178	LWI-G178	70.8	11.3 J	3.08 J	0.447 J	11.8 J		428	9.52 J	66.2	9.5 J	25.9	11 J	187	0.428 JT	
G184	LWI-G184	64.7	1.32 J	2.23 J	0.516 U	7.09		289	5.42	33.2	6.83	13.7	3.95 J	112	0.294 JT	
G185	LWI-G185															
G192	LWI-G192															
G197-2	LWI-G197-2	96.3	1.72 J	11.7	1.11 U	42.2		2110	28.3	261	52.9	97	25.4	739	1.65 JT	
G199	LWI-G198	149 T	54.3 JT	34.9 JT	1.14 UT	204 JT		9510 JT	158 JT	1170 JT	288 JT	457 JT	69.5 JT	3530 JT	5.67 JT	
G207	LWI-G207															
G208	LWI-G208	68.9	2.77	13.9	0.825 U	23.7		1500	21	146	34.9	65.9	11.7	491	1.7 T	
G210	LWI-G210															
G218	LWI-G218	77.3	3.16	68.8	8.72	20.9		3480	22	1450	144	673	349	773	8.25 T	
G225	LWI-G225	36.9	7.06 J	5.8 J	1.43 U	13.2		545	9.28 J	91.5	13.3	35.5	17.7	206	0.722 JT	
G230	LWI-G230	51.5	3.45 J	9.91	0.901 U	33.9		1540	24.2	208	49.7	84.4	14.7	656	1.37 JT	
G233	LWI-G233	39.6	2.79	5.75	0.8 U	13.5		851	11.9	106	21.3	51.6	14.7	274	0.765 T	
G241	LWI-G241	29.2	0.696 J	3.42	0.599 U	8.02		416	7.55	47.6	10.8	21.2	8.22	142	0.436 JT	
G245	LWI-G245															
G247	LWI-G247	106	19.1	31.4	1.92 U	68.3		4730	64.6	584	124	291	76.4	1390	4.17 T	7.75 JT
G257	LWI-G257	8.87	0.811 J	1.98 J	1.39 U	3.2		201	3.5	25.9	7.37	13.6	4.83	62.3	0.245 JT	
G260	LWI-G260															
G273	LWI-G273	308	19	25.4	1.94 U	80.6		4370	49.5	811	104	311	165	1370	3.67 T	
G280	LWI-G280	47.5	1.83 J	7.75	1.43 U	12.3		725	13.1	153	26.1	69.2	40.9	247	0.979 JT	
G282	LWI-G282	165	18.1 J	107	4.54 U	84.5		11500	113	4720	362	2020	1400	2400	14.9 JT	
G293	LWI-G293	33.3	1.6 J	3.75	0.775 U	9.4		532	8.48	74.7	15.1	33.5	12.7	159	0.5 JT	

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Table C2-5 Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN
	Chemical Name	2,3,7,8-Tetrachloro dibenzo-p-dioxin	1,2,3,7,8-Pentachloro dibenzo-p-dioxin	1,2,3,4,7,8-Hexachloro dibenzo-p-dioxin	1,2,3,7,8,9-Hexachloro dibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachloro dibenzo-p-dioxin	Octachloro dibenzo-p-dioxin	1,2,3,6,7,8-Hexachloro dibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
0298	LWZ-0298																		
0307	LWZ-0307	0.346	1.066 J	9.384	16.945	122.343	774.325	3.882	0.465	0.151 U	0.227 U	0.848 J	0.728 J	0.09 U	0.675 J	9.424	0.581 J	16.241	6.11 JT
0308	LWZ-0308																		
0310	LWZ-0310																		
0313	LWZ-0313	0.376	0.54 J	0.856 J	3.035	125.251	1616.044	5.895	1.392	1.397	1.04 J	3.69	3.376	0.135 J	1.914	29.317	1.987	61.629	5.27 JT
0314	LWZ-0314	0.158 U	0.23 U	0.3 U	1.22 J	40.97	374.45	2.088	6.314	6.935	3.396	11.827	3.094	0.149 U	1.113 J	12.274	2.251	29.491	5.23 JT
0315	LWZ-0315	0.354	0.018 U	0.074 U	0.308 J	17.5	199.545	1.064 J	13.793	12.39	8.782	14.966	3.936	0.034 U	1.14	9.498	1.966	14.847	9.2 JT
0316	LWZ-0316	0.012 U	0.022 U	0.015 U	0.015 U	5.616	34.065	0.243 J	0.508	0.303 J	0.028 U	0.482 J	0.111 U	0.016 U	0.016 U	0.638 J	0.032 U	1.637	0.205 JT
0317	LWZ-0317	0.017 U	0.023 U	0.031 U	0.073 J	3.341	29.565	0.156 J	0.319	0.223 J	0.136 J	0.388 J	0.112 J	0.04 U	0.067 J	0.934 J	0.117 U	1.743 J	0.237 JT
0320	LWZ-0320																		
0321	LWZ-0321	0.247	0.281 U	0.369 U	1.18	59.686	744.018	2.745	0.194 U	10.957	5.154	22.116	6.631	0.176 U	2.119	25.459	4.462	60.082	7.83 T
0323	LWZ-0323	0.025 U	0.061 J	0.086 J	0.286 J	14.071	95.122	0.379 J	1.391	1.478	0.637 J	2.146	0.639 J	0.043 U	0.25 J	2.286	0.625 J	7.436	1.15 JT
0324-1	LWZ-0324-1	0.151 U	0.283 J	0.598 J	2.32	99.441 J	844.465 J	2.434	3.438	5.454 U	2.172	9.222	2.778	0.341 U	1.155	16.158	4.257 J	66.72 J	4.85 JT
0324-2	LWZ-0324-2	0.062 U	0.13 J	0.188 J	0.572 J	31.336 J	408.577 J	1.36 J	2.823	3.594	1.381	6.703	2.081	0.109 U	0.727 J	5.975	1.415 J	14.214 J	2.87 JT
0325	LWZ-0325	0.242 U	0.323 J	0.211 J	0.682 J	26.127	271.313	1.191	4.084	5.695	2.018	14.909	3.501	0.176 U	0.926 J	10.545	2.832	21.653	4.59 JT
0326	LWZ-0326	0.454	0.387 J	0.538 J	1.782	79.962	1046.002 J	3.844	2.406	2.904	1.676	8.76	3.959	0.138 J	2.653	36.42	2.734	82.368	5.54 JT
0327	LWZ-0327	0.097 U	0.221 J	0.204 J	0.59 J	58.331	480.302	2.149	0.915	0.6 U	0.621 J	2.399 J	1.676 J	0.456 J	0.938 U	15.341	0.952 J	28.507	2.17 JT
0328	LWZ-0328																		
0329	LWZ-0329	0.384 U	0.167 U	0.21 U	0.227 U	11.173	108.001	0.411 J	3.229	3.752	1.253 J	5.767	1.476 J	0.126 U	0.438 J	3.441	0.889 J	7.266	2.11 JT
0330	LWZ-0330	7.227	10.204	1.261 J	2.662	61.531	532.648	6.48	27.739	16.932	8.246	40.101	10.929	0.127 U	3.394	32.756	8.737	60.002	32.7 JT
0331	LWZ-0331	0.038 U	0.042 U	0.601 J	2.248	206.11	2065.098 J	3.109	7.461	9.053	1.832	10.875 J	3.127 J	1.234	1.418	14.854	2.251 J	69.796	6.82 JT
0332	LWZ-0332	111.091	20.536	5.203	16.347	412.962	3839.061	35.297	317.593	110.21	47.694	242.705	1.971 U	2.71 J	37.302	226.363	61.036	535.23	234 JT
0333	LWZ-0333	0.054 U	0.18 U	0.641 U	2.883	160.105	1085.422 J	7.242	93.207	138.14	42.109	166.832 J	48.614 J	19.303	13.452	122.885	32.506 J	217.319	66.4 JT
0334	LWZ-0334	1.014	0.654 J	0.115 U	0.444 U	19.293	167.819	1.013 J	14.182	22.148	10.298	43.036	11.108	0.429 U	3.317	24.082	9.891	44.406	15.7 JT
0335	LWZ-0335	0.027 U	0.179 U	0.261 U	0.744 J	22.048	111.839	1.035	10.264	11.779	4.439	19.722	4.729	1.891	1.101	10.678	4.98	42.163	7.15 JT
0339	LWZ-0339																		
0347	LWZ-0347																		
0351	LWZ-0351	0.118 J	0.193 U	0.36 J	0.975 U	102.878	869.815	2.668 U	189.915	465.006 U	166.877	844.251 U	222.019 U	7.45	29.994	302.4	121.836	443.899 U	112 JT
0351-2	LWZ-0351-2	0.125 JT	0.261 JT	0.177 UT	0.853 JT	131.129 T	1354.968 T	2.498 JT	423.067 T	515.779 T	329.729 T	553.368 JT	233.579 JT	3.142 JT	46.311 JT	222.908 JT	84.4835 T	364.051 T	322 JT
0353-1	LWZ-0353-1																		
0355	LWZ-0355																		
0358	LWZ-0358																		
0360	LWZ-0360																		
0364	LWZ-0364																		
0371	LWZ-0371																		
0372-1	LWZ-0372-1	0.092 UT	0.154 UT	0.161 UT	0.482 JT	24.725 T	174.033 T	1.051 JT	0.136 UT	0.108 UT	0.119 UT	0.398 JT	0.096 UT	0.12 UT	0.104 UT	3.681 JT	0.269 UT	10.863 T	0.496 JT
0372-2	LWZ-0372-2	0.105 U	0.131 U	0.121 U	0.575 J	57.965	395.947	1.553 J	0.299 U	0.078 U	0.09 U	0.436 J	0.08 U	0.106 U	0.09 U	5.081	0.389 U	13.161	0.928 JT
0373	LWZ-0373																		
0374	LWZ-0374	0.022 U	0.079 U	0.131 U	0.505 J	14.677	118.604	0.766 J	0.294 U	0.034 U	0.072 U	0.26 J	0.125 U	0.04 U	0.209 J	2.751	0.27 U	8.55	0.361 JT
0377	LWZ-0377	0.031 U	0.072 J	0.105 J	0.333 J	17.561	137.668	0.634 J	0.376 U	0.908	0.322 J	1.421	0.456 U	0.035 U	0.309 U	4.683	0.518 J	22.525	0.771 JT
0380	LWZ-0380																		
0381	LWZ-0381																		
0382	LWZ-0382																		
0386	LWZ-0386																		
0390	LWZ-0390																		
0392	LWZ-0392																		
0397	LWZ-0397	0.07 U	0.151 J	0.238 U	0.929 J	74.47	562.424	3.383	0.355 U	0.252 J	0.805 J	8.124	1.341	0.112 U	1.923	35.454	2.406	88.359	3.32 JT
0399	LWZ-0399																		
0401	LWZ-0401																		
0402	LWZ-0402																		
0403	LWZ-0403	0.02 U	0.024 U	0.034 U	0.15 U	6.292	59.654 J	0.225 U	0.093 U	0.071 U	0.06 J	0.171 U	0.127 J	0.055 U	0.11 J	1.322	0.143 U	3.232	0.136 JT
0410-1	LWZ-0410-1																		
0416	LWZ-0416																		
0417	LWZ-0417																		
0420	LWZ-0420	0.016 UT	0.068 JT	0.0825 JT	0.262 JT	11.625 JT	100.156 JT	0.493 JT	0.092 UT	0.042 JT	0.091 JT	0.455 JT	0.4 JT	0.016 UT	0.18 JT	2.583 JT	0.206 JT	10.074 JT	0.458 JT
0424	LWZ-0424																		
0426	LWZ-0426	0.185 U	1.096 J	4.276 J	7.176	240.3	19201.141 J	33.118 J	1.617	3.283	4.17	16.019 J	4.118 J	0.176 U	6.112 J	75.986	3.108	91.649	37.4 JT
0434	LWZ-0434																		
0437	LWZ-0437	0.022 U	0.06 J	0.063 J	0.208 J	15.36	153.532	0.517 U	0.12 U	0.06 J	0.076 J	0.226 J	0.174 J	0.036 U	0.176 U	1.946	0.071 U	3.572	0.357 JT
0438	LWZ-0438																		
0439	LWZ-0439																		
0440	LWZ-0440																		
0446	LWZ-0446																		
0447	LWZ-0447																		
0448	LWZ-0448																		
0450-1	LWZ-0450-1	0.294 J	0.161 J	0.233 U	0.904 J	43.856	566.372	1.516 J	0.351	0.094 J	0.156 U	0.534 J	0.238 J	0.049 U	0.345 J	7.763	0.346 U	57.757	1.43 JT
0450-2	LWZ-0450-2	0.11 UT	0.109 UT	0.142 UT	0.138 UT	0.863 JT	6.462 JT	0.156 UT	0.074 UT	0.089 UT	0.103 UT	0.095 UT	0.099 UT	0.167 UT	0.111 UT	0.19 UT	0.372 UT	1.07 JT	0.00938 JT
0452	LWZ-0452																		
0453	LWZ-0453																		
0454	LWZ-0454	0.014 U	0.054 U	0.061 U	0.206 J	4.797	30.283	0.316 J	0.116 U	0.033 J	0.074 J	0.129 U	0.085 J	0.011 U	0.146 J	0.91	0.07 J	1.693 J	0.175 JT
0457	LWZ-0457																		
0461	LWZ-0461																		
0463	LWZ-0463																		
0473	LWZ-0473																		
0477	LWZ-0477																		
0481	LWZ-0481																		
0485	LWZ-0485																		
0486	LWZ-0486																		
0490	LWZ-0490																		
0492-1	LWZ-0492-1																		
0494	LWZ-0494																		
0496	LWZ-0496																		
0500	LWZ-0500																		
0503	LWZ-0503																		
0506	LWZ-0506																		
0509	LWZ-0509																		
0516	LWZ-0516																		
0518	LWZ-0518																		
0519-1	LWZ-0519-1																		
BT001	LWZ-0BT001	0.011 U	0.015 U	0.034 U	0.049 U	2.173	18.149	0.087 U	0.242 U	2.457	0.858 J	5.97	1.508 J	0.113 J	0.208 J	1.97	0.659 J	3.02 J	1.38 JT
BT002	LWZ-0BT002	0.009 U	0.08 U	0.106 J	0.363 J	19.829	189.907	0.631 J	1.664	0.627 J	0.929 J	1.18 J	0.355 J	0.024 U	0.206 J	4.016	0.24 J	22.879	1.21 JT
BT003	LWZ-0BT003	0.01 U	0.014 U	0.045 J	0.164 J	19.476	115.297	0.459 J	0.374	0.164 J	0.109 J	0.24 U	0.081 J	0.009 U	0.041 J	0.763 U	0.069 J	3.498	0.386 JT
BT004	LWZ-0BT004	0.008 U	0.011 U	0.042 J	0.229 J	8.323	60.799	0.2 J	0.164 U	0.006 U	0.006 U	0.124 U	0.05 J	0.014 U	0.062 J	0.657 U	0.041 U	2.085 J	0.148 JT
BT005	LWZ-0BT005	0.014 U	0.047 U	0.081 J	0.205 U	9.858	158.493	0.496 J	0.275 U	0.358 J	0.242 J	0.467 J	0.199 J	0.034 U	0.108 J	1.887	0.148 J	4.976	0.409 JT
BT0061	LWZ-0BT006-1	0.032 U	0.084 U	0.096 U	0.319 J	13.951	112.439	0.545 J	0.186 J	0.112 U	0.124 J	0.311 J	0.144 J	0.026 U	0.172 J	1.954	0.136 J	5.613	0.402 JT
BT0062	LWZ-0BT006-2	0.013 UT	0.042 UT	0.055 JT	0.214 JT	7.54 T	57.3 T	0.28 JT	0.018 UT	0.055 UT	0.06 UT	0.146 JT	0.07 UT	0.019 UT	0.149 JT	1.3 JT	0.043 UT	4.68 T	0.179 JT
BT007	LWZ-0BT007	0.016 U	0.07 J	0.116 J	0.47 J	82.472	1028.44 J	1.99	0.017 U	0.04 J	0.049 U	0.364 U	0.101 J	0.031 U	0.2 J	23.555	0.688 J	139.847	1.55 JT
BT008	LWZ-0BT008	0.023 U	0.159 J	0.189 J	0.963 J	131.549	1094.901	5.45	0.491 J	1.407 J	8.333	36.248	4.917	0.072 U	5.973	44.364	6.03	86.347	11.8 JT
BT009	LWZ-0BT009	0.015 U	0.02 U	0.188 J	0.725 J	183.748	2042.325 J	5.739	0.235 U	0.503 J	0.543 J	5.303	1.344 J	0.114 U	1.684	37.752	3.015	55.147	4.25 JT
BT010	LWZ-0BT010	0.012 U	0.023 U	0.085 U	0.144 J	6.983	68.937	0.428 J	0.138 J	0.097 J	0.102 J	0.245 J	0.114 J	0.038 U	0.072 U	1.484	0.163 J	4.376	0.256 JT
BT011	LWZ-0BT011	0.462	0.136 J	0.166 U	0.695 J	37.811	294.553	1.354 J	1.044	0.454 J	0.368 J	0.741 U	0.271 J	0.023 U	0.268 J	3.634	0.312 J	11.83	1.62 JT
BT012	LWZ-0BT012	0.072 J	0.152 U	0.098 U	0.427 J	23.354	230.439	0.976 J	0.799	2.093	0.639 J	6.524	2.207	0.088 U	0.385 J	10.128	0.969 J	11.432	2 JT
BT013	LWZ-0BT013	0.008 U	0.138 J	0.154 J	0.518 J	36.3	369.849	1.849	0.19 U	0.125 U	0.165 J	0.583 J	0.212 J	0.118 J	0.287 J	6.08	0.338 J	28.18	1.06 JT

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Table C2-5. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	31508-00-6	PCB106_118	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB077	PCB081	PCB126	PCB169	PCB114	PCB118	PCB106 & 118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**															
G298	LW2-G298	32.9 J	19.4 J	10.3 U	66.5 U	27.8 J		996	15.4 J	157	31.6 J	65.3 J	23.9 J	398	0.237 JT	
G307	LW2-G307	402	4.68	23	1.46 J	75.7		5150	62.5	570	93.8	227	90.2	1320	3.39 JT	9.5 JT
G308	LW2-G308	123	7.5	10.5	1.24 U	47.1		1930	32.9	217	40.9	83	25.9	709	1.49 T	
G310	LW2-G310	387	9.44	25.7	3.32 U	66.2		5040	62.3	553	90.4	218	92.8	1240	3.61 T	
G313	LW2-G313															
G314	LW2-G314															
G315	LW2-G315															
G316	LW2-G316															
G317	LW2-G317															
G320	LW2-G320	118	4.24	7.11	0.479 U	29.3		1410	20.5	166	27.3	63.7	21.7	475	1.03 T	
G321	LW2-G321															
G323	LW2-G323															
G324-1	LW2-G324-1															
G324-2	LW2-G324-2															
G325	LW2-G325															
G326	LW2-G326															
G327	LW2-G327	225	55.2	30.4	1.22 U	180		10300	192	1080	223	389	84.5	3120	5.18 T	7.35 JT
G328	LW2-G328	4.75	0.245 J	0.705 J	0.332 U	1.21 J		76.7	1.19 J	10.6	2.06	4.89	1.88 U	22.7	0.088 JT	
G329	LW2-G329															
G330	LW2-G330															
G331	LW2-G331															
G332	LW2-G332	476	2.43 J	17.4	1.46 U	20.2		4940	38.2	405	78.8	203	113	485	2.6 JT	237 JT
G333	LW2-G333															
G334	LW2-G334															
G335	LW2-G335	71.3	4.65	5.55	2.01 U	15.4 U		565	12.9	160	17.9	78.8	41.7	236	0.738 T	7.89 JT
G339	LW2-G339	136	6.76	19.3	1.23 U	47.3		1770	37	199	46.9	88.2	18.8	748	2.35 T	
G347	LW2-G347	61.9	6.03	11.1	1.44 U	30.6		1350	22.2	193	60.2	91.3	29.1	532	1.45 T	
G351	LW2-G351	462	16.1	28.6	2.68 U	105		3190	66.7	302	66.5	134	54.3	1380	3.62 T	115 JT
G351-2	LW2-G351-2															
G353-1	LW2-G353-1	647	15.9	28.1	10.6	179		4440	122	302	64.2	119	50.6	2210	3.94 T	
G355	LW2-G355	3060	59.7	286	95.1	1580		26800	736	2170	531	820	441	14200	36.2 T	
G358	LW2-G358	37.3	1.14 J	3.71	0.591 U	8.09		459	8.71	57.2	12.6	24.6	8.25	169	0.479 JT	
G360	LW2-G360	445	22.1	23.3	3.3 U	119		3640	82.6	303	61.6	127	40.1	1820	3.18 T	
G364	LW2-G364	30.3	2.4 J	10.4	0.885 U	18.3		2200	23	393	45.6	153	82.2	471	1.55 JT	
G371	LW2-G371	198	9.56	15.1	1.63 U	40.7		1330	29.7	132	26.5	75.9	20.4	629	1.83 T	
G372-1	LW2-G372-1	18.3	16.1	6.06	0.541 U	17.7		1020	12.1	145	30.7	55.7	12.3	343	0.845 T	1.34 JT
G372-2	LW2-G372-2															
G373	LW2-G373	22	1.59 J	3.39	0.676 U	8.1		479	7.28	60.8	12.3	26.3	9.24	157	0.447 JT	
G374	LW2-G374															
G377	LW2-G377															
G380	LW2-G380	29.9	2.72	25.6	0.728 U	99.9		7590	59.2	1050	219	394	68.2	1630	4.19 T	
G381	LW2-G381	220	12.8	16.6	1.39 U	48.3		3110	41.7	333	63.1	137	46.8	871	2.31 T	
G382	LW2-G382	349	23.9	115	4.41 U	333		17700	207	2770	527	1030	329	5600	15.7 T	
G386	LW2-G386	26	1.17 J	4.66	0.719 U	13.1		651	10.2	95.3	18.9	38.6	11.7	221	0.622 JT	
G390	LW2-G390	660	68.5	156	6.2 U	539		36200	395	4050	855	1610	344	9560	23.1 T	
G392	LW2-G392	43.9 T	2.37 T	9.73 T	1.14 UT	27.6 T		1570 T	21.1 T	239 T	45.1 T	97.8 T	30.6 JT	491 T	1.35 JT	
G397	LW2-G397															
G399	LW2-G399	116	1.24 J	7.81	0.701 U	24.3		1100	18.7	125	24.5	51.1	16.2	391	1.03 JT	
G401	LW2-G401	81.5	2.41 J	7.27	0.73 U	21.5		916	15.8	107	22.9	44.9	12.5	338	0.94 JT	
G402	LW2-G402	170	37.9	82	4.2 U	224		12400	271	3350	452	1440	927	3830	12 T	
G403	LW2-G403															
G410-1	LW2-G410-1	42.6	3.12	6.12	0.745 U	16.3		881	14.7	100	22.4	42.6	12.2	317	0.809 T	
G416	LW2-G416	189	5.23	19.9	2.15 U	48.4		3860	51.2	507	93.2	195	84	954	2.83 T	
G417	LW2-G417	30.3	0.62 J	30	8.38 J	6.51		725	7.73	289	52.8	202	109	191	3.37 JT	
G420	LW2-G420															
G424	LW2-G424	22.6	0.395 J	3.57	0.858 U	7.72		437	7.04	75.6	14.9	32.1	16.1	144	0.469 JT	
G426	LW2-G426	303 T	19.8 T	81.9 T	5.35 UT	165 T		9700 T	126 T	1490 T	303 T	656 T	210 T	3140 T	10.5 T	47.9 JT
G434	LW2-G434	317	14.5	57.4	4.56 J	51.7		2880	42.7	467	85.5	202	75.1	1020	6.52 JT	
G437	LW2-G437															
G438	LW2-G438	9.85	0.461 J	2.67	0.492 U	4.81		322	4.85	58.1	10	25.7	12.6	90.4	0.348 JT	
G439	LW2-G439	47.8 T	3.45 T	6.11 T	0.789 UT	17.2 T		983 T	16.2 T	124 T	30.4 T	58.6 T	18.2 T	323 T	0.837 T	
G440	LW2-G440	114	2.1 J	6.5	0.776 U	24.9		1020	19.1	119	25	50.6	17.4	391	0.891 JT	
G446	LW2-G446	35.2	0.875 J	5.22	0.738 U	21.9		2410	22	157	32.9	69	16.7	394	0.916 JT	
G447	LW2-G447	127	4.94	9.32	1.07 U	28.6		1610	31.4	183	43.5	78	22.2	564	1.3 T	
G448	LW2-G448	233	12.9	11.6	1.02 U	50.2		2060	39	209	45.2	92.2	31.7	804	1.63 T	
G450-1	LW2-G450-1															
G450-2	LW2-G450-2															
G452	LW2-G452	48.4	1.3 J	5.19 J	0.714 U	14.6		640	13.6	84.4	17.6	39.4	13.6	243	0.674 JT	
G453	LW2-G453	99900	3830	2020	29.5 U	16900		529000	12500	44200	7170	16300	7010	220000	324 T	
G454	LW2-G454															
G457	LW2-G457	331	14.9	17.1	1.25 J	72.9		2850	63.3	276	64.6	127	39.7	1160	2.38 JT	
G461	LW2-G461	218	4.64	11.1	1.4 U	42.2		1700	34.4	194	46.8	86.2	26.6	673	1.52 T	
G463	LW2-G463	24.5	0.518 J	5.78	0.601 U	17.2		806	12.6	136	28.9	56.2	11.3	269	0.782 JT	
G473	LW2-G473	4490	180	285	10.4 U	978		58400	1150	6390	1730	2770	544	21400	41.7 T	
G477	LW2-G477	1210	348	414	87.9	1130		383300	1520	10300	2790	4670	1380	28600	61.6 T	
G481	LW2-G481	17.1	1.66 J	2.12 J	0.381 U	4.67		289	5.29	34.9	7.36	15.8	5.75	88.4	0.276 JT	
G485	LW2-G485	41.1	0.914 J	9.44	2 U	7.92		907	9.86	517	54.2	223	246	260	1.38 JT	
G486	LW2-G486	15.4	0.613 J	2.32 J	0.611 U	5.69		293	5.41	35.5	8	16.5	4.33 U	101	0.298 JT	
G490	LW2-G490	41.4	2.5	5.5	1.88 U	17.7		787	15.7	135	28.9	53.1	15.4	271	0.755 T	
G492-1	LW2-G492-1	153	4.04	20.3	2.19 U	24.8		1830	22.7	512	67.1	263	183	539	2.61 T	
G494	LW2-G494	287	10.1	62	6.87 J	85.6		6020	84.5	1560	244	832	483	1780	8.09 JT	
G496	LW2-G496	10.3	0.633 J	1.94 J	0.691 U	3.6		226	3.46	28.5	5.51	12.6	5.25	66.3	0.244 JT	
G500	LW2-G500	28.7	0.802 J	6.95	0.772 U	9.87		575	8.95	134	20.2	58.6	32.2	209	0.663 JT	
G503	LW2-G503	34.1	23	26.3	3.85 U	95.8		5580	75.6	1040	126	500	305	1490	4.02 T	
G506	LW2-G506	53.5	10.6	14.3	0.87 U	77.6		3200	52.2	366	82.1	135	23	1270	2.16 T	
G509	LW2-G509	16.2	0.75 J	2.92	0.611 U	6.88		380	6.23	59.1	10.4	25.5	11.4	121	0.384 JT	
G516	LW2-G516	21.2	1.2 J	3.93	0.648 U	9.45		453	7.84	72.3	22.2	34.2	14.2	165	0.512 JT	
G518	LW2-G518	32.6	2.95	6.26	0.81 U	14.9		912	12	166	28.6	72.7	29.7	290	0.859 T	
G519-1	LW2-G519-1	118	3.53 J	8.25	0.793 U	29.7		1200	21	164	35.7	63.7	14.3	539	1.13 JT	
BT001	LW2-OBT001	255	8.73	12	1.06 U	53.3		1960	54.6	124	31.2	51.9	11.1	907	1.62 T	3.01 JT
BT002	LW2-OBT002	4390	275	211	2.38 U	1070		32900	992	2240	506	821	183	17800	28.7 T	29.9 JT
BT003	LW2-OBT003	16.1	1.18 J	1.8 J	0.913 U	4.7 J		223	4.85 J	31.5	8.19	15.1	4.11 J	78.7	0.235 JT	0.622 JT
BT004	LW2-OBT004	4.44 J	0.523 U	0.723 U	0.829 U	1.11 J		54.6	1.34 J	7.39	1.93 J	3.88 J	1.13 J	19.2	0.0133 JT	0.161 JT
BT005	LW2-OBT005	447	3.7 J	7.1	1.36 U	19		1190	18.2	142	31.6	57.8	16.6	381	0.972 JT	1.38 JT
BT006I	LW2-OBT006-1	54.7	9.91	11.5	1.24 U	47.2		2460	39.8	282	69	115	21.8	816	1.69 T	2.09 JT
BT0062	LW2-OBT006-2	99 T	15.6 JT	20 T	1.5 UT	80.2 T		4480 T	71 T	540 T	128 T	220 T	48.2 T	1470 T	2.99 JT	3.17 JT
BT007	LW2-OBT007	13	0.567 J	1.11 J	0.449 U	3.23		153	3.32	19	49	8.54	2.91	57.7	0.148 JT	1.69 JT
BT008	LW2-OBT008	116	10.3	18.7	2.23 U	58		2710	43.6	354	79.5	151	47	1010	2.31 T	14.3 JT
BT009	LW2-OBT009	37.3	2.34 J	5.87	1.31 U	12.5		717	12.1	131	24.4	63.7	25.4	219	0.773 JT	5.02 JT
BT010	LW2-OBT010	24.6	1.1 J	2.72 J	1.02 U	7.3		355	6.2	38.9	8.46	19.3	6.94	111	0.35 JT	0.606 JT
BT011	LW2-OBT011	32.2	2.47 J	4.38 J	1.12 U	9.35		452	8.64	63	13.8	28.4	10.2	156	0.548 JT	2.16 JT
BT012	LW2-OBT012	64.8	2.68 J	5.61	1.16 U	17.1		1040	16.4	99.9	19.9	43.3	16.7	288	0.773 JT	2.77 JT
BT013	LW2-OBT013	30.9	8.3	14.8	1.53 U	53.9		2480	36.5	406	74.4	164	67.9	881	2.1 T	3.16 JT

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Table C2-5 Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN
	Chemical Name	2,3,7,8-Tetrachloro dibenzo-p-dioxin	1,2,3,7,8-Pentachloro dibenzo-p-dioxin	1,2,3,4,7,8-Hexachloro dibenzo-p-dioxin	1,2,3,7,8,9-Hexachloro dibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachloro dibenzo-p-dioxin	Octachloro dibenzo-p-dioxin	1,2,3,6,7,8-Hexachloro dibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																		
BT014	LW2-GBT014	0.028 U	0.096 J	0.119 J	0.015 U	33.855	265.163	0.889 J	1.247	0.931 J	0.464 J	1.342 J	0.406 J	0.016 U	0.136 J	2.66	0.345 J	8.221	1.18 JT
BT015	LW2-GBT015	0.012 U	0.078 J	0.091 J	0.261 J	15.839	149.982	0.495 J	6.685	16.052	6.095	14.899	3.359	0.176 J	0.9 J	4.134	0.934 J	9.977	6.84 JT
BT016	LW2-GBT016	0.028 U	0.218 J	0.25 U	0.951 J	54.243	422.54	2.934	0.221 U	0.257 U	0.307 J	1.589 J	0.55 J	0.052 U	0.469 J	7.777	0.741 J	16.493	1.69 JT
BT017	LW2-GBT017	7.546	14.894	0.928 J	2.054	24.914	176.518	5.114	36.786	18.411	11.402	50.723	12.953	2.957	3.447	21.991	7.19	47.535	41.1 JT
BT018	LW2-GBT018	0.052 U	0.134 J	0.2 J	0.029 U	36.683	355.476	0.831 U	109.801	433.327	108.595	1182.167	325.716	15.672	30.541	346.625	121.258	237.868	248 JT
BT019	LW2-GBT019	0.012 U	0.201 J	0.435 J	1.51 J	142.069	1296.605	5.731	0.368 J	0.611 J	0.747 J	4.432	1.285 J	0.16 J	1.547 J	24.632	1.474 J	35.3	3.97 JT
BT020	LW2-GBT020	0.226 J	0.494 J	0.754 J	1.938	87.708	700.332	3.902	1.313	0.601 J	0.748 J	2.78	0.974 J	0.043 J	0.624 J	15.909	1.012 J	52.149	3.48 JT
BT021	LW2-GBT021	0.011 U	0.053 J	0.027 J	0.158 J	5.267	45.845	0.178 J	0.256 J	0.078 J	0.07 J	0.156 J	0.082 J	0.044 U	0.076 U	0.743 U	0.062 J	1.842 U	0.235 JT
BT022	LW2-GBT022	0.066 U	0.216 U	0.443 J	1.491 J	132.746	1043.1	4.419	0.368 J	0.251 J	0.307 J	1.339 J	0.565 J	0.063 J	0.77 J	15.37	0.679 J	47.957	2.71 JT
BT023	LW2-GBT023	0.012 U	0.02 U	0.063 J	0.167 J	8.288	81.868	0.335 J	0.2 U	0.009 U	0.011 U	0.17 U	0.063 J	0.024 U	0.108 J	1.743 J	0.141 J	6.547	0.184 JT
BT024	LW2-GBT024	0.01 U	0.011 U	0.014 U	0.069 J	2.941	32.186	0.144 J	0.152 U	0.009 U	0.011 U	0.067 J	0.04 J	0.011 U	0.048 J	0.565 U	0.016 U	1.25 U	0.0694 JT
BT025	LW2-GBT025	0.008 U	0.053 J	0.069 J	0.246 J	9.712	113.131	0.422 J	0.096 U	0.042 U	0.069 J	0.188 J	0.121 J	0.036 J	0.13 J	1.865	0.133 J	6.94	0.338 JT
BT026	LW2-GBT026	0.008 U	0.08 J	0.154 J	0.484 J	59.306	570.305	1.855	0.125 U	0.091 J	0.258 J	3.691	0.544 J	0.419 J	0.842 J	24.915	1.997	116.363	1.94 JT
BT0271	LW2-GBT027-1	0.04 U	0.054 U	0.055 U	0.229 J	9.483	84.38	0.38 J	0.08 U	0.039 U	0.045 U	0.236 J	0.125 J	0.064 U	0.167 J	1.459 J	0.058 U	3.211 J	0.237 JT
BT0272	LW2-GBT027-2	0.03 UT	0.146 JT	0.207 JT	0.531 JT	27.2 T	204 T	1.4 JT	0.154 JT	0.0885 JT	0.159 JT	0.524 JT	0.249 JT	0.024 JT	0.379 JT	4.27 T	0.307 JT	14 T	0.916 JT
BT028	LW2-GBT028	4.146	1.478 J	2.163 J	7.716	502.53	5954.005 J	18.453	1.364	0.975 J	1.669 J	5.661	2.408	0.173 J	3.381	83.078	3.783	618.386	17.2 JT
BT029	LW2-GBT029	0.084 U	0.255 J	0.401 J	0.936 J	37.524	299.506	1.592 J	0.164 U	0.139 J	0.236 J	1.154 J	0.393 J	0.031 J	0.49 J	7.481	0.441 J	22.231	1.38 JT
BT030	LW2-GBT030	0.168 J	0.204 J	0.306 J	0.924 J	62.067	579.098	1.718	0.317 U	0.175 J	0.365 J	1.019 J	0.604 J	0.033 U	0.267	9.523	0.537 J	35.959	1.83 JT
BT031	LW2-GBT031	0.028 U	0.103 J	0.123 J	0.397 J	17.6	194.449	0.704 J	0.185 U	0.055 J	0.106 J	0.384 J	0.165 J	0.019 J	0.214 J	2.814	0.17 J	9.216	0.386 JT
BT032	LW2-GBT032	0.182 J	1.017 J	1.55 J	1.62	231.363 J	2089.664 J	10.409 J	0.334	0.865 J	1.308 J	8.666 J	2.609 J	0.253 J	1.398 J	80.786	5.893 J	267.667	8.02 JT
BT033	LW2-GBT033	0.034 U	0.119 J	0.156 J	0.407 J	13.614	112.187	0.623 J	0.279 U	0.062 U	0.084 U	0.26 J	0.165 J	0.023 U	0.103 J	3.364	0.054 U	10.811	0.472 JT
U1C-1	LW2-U1C-1	0.018 UT	0.033 JT	0.057 JT	0.175 JT	33.846 T	211.997 JT	1.22 JT	0.094 JT	0.353 JT	0.186 JT	0.288 JT	0.087 UT	0.007 UT	0.726 JT	10.447 T	0.328 JT	12.043 T	0.957 JT
U1C-2	LW2-U1C-2	0.04 U	0.035 J	0.03 U	0.122 J	2.433 U	18.856 U	0.206 J	0.076 U	0.022 J	0.024 U	0.054 J	0.049 J	0.007 U	0.058 J	0.534 U	0.027 U	1.076 U	0.085 JT
U1C-3	LW2-U1C-3	0.006 U	0.006 U	0.017 J	0.055 J	1.223 U	8.635 U	0.092 J	0.051 U	0.005 U	0.017 U	0.061 U	0.005 U	0.006 U	0.005 U	0.253 U	0.014 U	0.666 U	0.0164 JT
U2C-1	LW2-U2C-1	0.007 U	0.03 J	0.047 J	0.136 J	4.086 U	30.816 U	0.207 J	0.046 J	0.017 J	0.026 J	0.067 J	0.038 J	0.004 U	0.051 J	0.742 U	0.061 J	3.637 U	0.104 JT
U2C-2	LW2-U2C-2	0.022 U	0.03 J	0.033 U	0.125 J	3.489 U	35.95 U	0.217 J	0.055 J	0.02 J	0.03 J	0.071 J	0.051 J	0.004 U	0.06 J	0.644 U	0.051 J	1.973 U	0.104 JT
U2C-3	LW2-U2C-3	0.022 U	0.024 J	0.031 J	0.094 J	2.908 U	24.88 U	0.156 J	0.039 U	0.014 U	0.021 U	0.047 J	0.026 J	0.01 U	0.03 J	0.408 U	0.025 J	1.162 U	0.0627 JT
U3C-1	LW2-U3C-1	0.009 U	0.03 J	0.065 J	0.299 J	15.872	105.982	0.44 J	0.096 U	0.026 J	0.033 J	0.084 J	0.047 J	0.005 U	0.046 J	0.751 J	0.046 J	2.143	0.323 JT
U3C-2	LW2-U3C-2	0.008 U	0.015 J	0.028 J	0.075 J	1.565	11.67	0.105 J	0.121 U	0.005 U	0.011 J	0.033 J	0.018 U	0.003 U	0.014 J	0.273 J	0.016 J	1.021 J	0.0658 JT
U3C-3	LW2-U3C-3	0.011 U	0.038 J	0.048 J	0.154 J	3.853	30.125	0.252 J	0.096 U	0.017 U	0.031 J	0.077 U	0.049 J	0.009 U	0.057 J	0.738 J	0.055 J	2.417 U	0.159 JT
U4Q-1	LW2-U4Q-1	0.014 U	0.019 U	0.013 U	0.064 J	1.361 U	7.779 U	0.07 U	0.023 U	0.012 U	0.013 U	0.032 U	0.009 U	0.009 U	0.009 U	0.195 J	0.028 U	0.669 U	0.00835 JT
U4Q-2	LW2-U4Q-2	0.014 U	0.01 U	0.023 U	0.034 J	1.996 U	11.423 U	0.087 J	0.014 U	0.006 U	0.006 U	0.028 U	0.009 U	0.009 U	0.008 U	0.332 J	0.03 U	1.242 U	0.0204 JT
U4Q-3	LW2-U4Q-3	0.009 U	0.009 U	0.032 J	0.094 J	2.154 U	15.339 U	0.139 J	0.012 U	0.008 U	0.026 J	0.045 U	0.027 J	0.006 U	0.006 U	0.335 J	0.032 J	0.857 U	0.0459 JT
U5Q-1	LW2-U5Q-1	0.009 UT	0.021 JT	0.024 JT	0.082 JT	1.456 UT	11.948 UT	0.128 JT	0.07 UJT	0.102 JT	0.006 UT	0.115 JT	0.0415 JT	0.006 UT	0.042 JT	0.375 JT	0.029 JT	0.578 UT	0.0734 JT
U5Q-2	LW2-U5Q-2	0.01 U	0.006 U	0.028 J	0.129 J	5.36	38.094	0.205 J	0.075 U	0.005 U	0.018 J	0.048 U	0.022 U	0.006 U	0.007 U	1.188	0.05 J	3.802	0.115 JT
U5Q-3	LW2-U5Q-3	0.009 U	0.009 U	0.011 J	0.041 J	1.149 U	8.349 U	0.064 J	0.014 U	0.005 U	0.005 U	0.032 U	0.015 J	0.004 U	0.004 U	0.222 J	0.009 U	0.492 U	0.0153 JT
U6TOC-1	LW2-U6TOC-1	0.011 U	0.01 U	0.024 J	0.069 J	1.389 U	10.322 U	0.103 J	0.093 U	0.006 U	0.007 U	0.035 U	0.021 J	0.007 U	0.006 U	0.283 J	0.012 U	0.546 U	0.0245 JT
U6TOC-2	LW2-U6TOC-2	0.019 U	0.018 U	0.015 U	0.016 U	0.815 U	5.947 U	0.053 J	0.03 U	0.011 U	0.012 U	0.026 U	0.012 U	0.013 U	0.012 U	0.154 J	0.033 U	0.462 U	0.00684 JT
U6TOC-3	LW2-U6TOC-3	0.021 U	0.019 U	0.022 U	0.085 J	1.86 U	20.046 U	0.118 J	0.115 U	0.01 U	0.01 U	0.053 U	0.024 J	0.011 U	0.011 U	0.355 J	0.02 U	1.268 U	0.0263 JT
02R001	LWG0102R0013SD3015C00	0.252 NJ	0.629 NJ	1.11 NJ	3.24 NJ	137 NJ	1070 NJ	5.37 NJ	3.01	1.23 NJ	2.76 NJ	3.5 NJ	1.45 NJ	0.101 NJ	1.11 NJ	20.9 NJ	1.53 NJ	63.1 NJ	5.92 JT
03R003	LWG0103R0033SD3015C10	0.107 UJ	0.334 NJ	0.539 NJ	1.55 NJ	60.7 NJ	482 NJ	2.31 NJ	0.304	0.252 NJ	0.275 NJ	0.902 NJ	0.451 NJ	0.1 U	0.32 NJ	11.6 NJ	0.724 NJ	35.6 NJ	1.9 JT
03R004	LWG0103R0043SD3015C11	0.274 NJ	0.502 NJ	0.811 NJ	2.53 NJ	145 NJ	1360 NJ	5.97 NJ	1.05	0.644 NJ	0.981 NJ	3.15 NJ	1.26 NJ	0.08 U	0.927 NJ	32.8 NJ	2.7 NJ	163 NJ	4.83 JT
03R005	LWG0103R0053SD3015C00	0.72 NJ	2.98 NJ	3.98 NJ	10.5 NJ	446 NJ	4220 NJ	18.2 NJ	8.74	3.66 NJ	5.36 NJ	12.6 NJ	6.1 NJ	0.335 NJ	4.21 NJ	122 NJ	6.35 NJ	280 NJ	19.3 JT
06R002	LWG0106R0023SD3015C10	1.44 NJT	11.1 NJT	6.61 NJT	22.6 NJT	563 NJT	3970 NJT	46.9 NJT	3.64 T	5.83 NJT	31.8 NJT	40.9 NJT	46.2 NJT	1.11 NJT	47.7 NJT	101 NJT	14.6 NJT	137 NJT	57.5 JT
06R002	LWG0106R0023SD3015C20	1.46 NJ	11.1 NJ	6.93 NJ	21.1 NJ	545 NJ	4370 NJ	42.9 NJ	2.1 J	145 NJ	58.8 NJ	239 NJ	77 NJ	4.3 NJ	34.4 NJ	209 NJ	34.5 NJ	828 NJ	102 JT
06R002	LWG0106R0023SD3015C31	1.28 NJT	9.96 NJT	7.59 NJT	24 NJT	393 NJT	2150 NJT	35.6 NJT	3.51 T	4.86 NJT	22.7 NJT	39.1 NJT	31.7 NJT	0.993 NJT	30.5 NJT	71.6 NJT	13.2 NJT	116 NJT	45.1 JT
06R004	LWG0106R0043SD3015C00	0.202 NJ	0.336 NJ	0.448 NJ	1.34 NJ	51 NJ	383 NJ	1.8 NJ	4.61	4.87 NJ	2.17 NJ	9.57 NJ	2.63 NJ	0.178 NJ	0.699 NJ	9.78 NJ	2.15 NJ	25.3 NJ	4.66 JT
07R006	LWG0107R0065SD3015C00	5.44 J	3.36 J	3.57 J	13.2 J	346	2410	14.6 J	14000	29400	8960	66000	17800	906	2020	24000	8240	20800	16600 JT
08R003	LWG0108R0033SD3015C00	0.135 UJ	0.322 NJ	0.434 NJ	1.36 NJ	53 NJ	490 NJ	2.31 NJ	0.431	0.252 NJ	0.373 NJ	1.27 NJ	0.87 NJ	0.092 U	0.55 NJ	14.8 NJ	1.16 NJ	29.7 NJ	1.99 JT
09R002	LWG0109R0023SD3015C00	0.493 NJ	2.84 NJ	5.72 NJ	13.6 NJ	510 NJ	3670 NJ	23.3 NJ	1.45	1.17 NJ	1.93 NJ	5.36 NJ	3.31 NJ	0.183 NJ	3.14 NJ	66.7 NJ	5.1 NJ	232 NJ	16.2 JT
RP03CPO	LW02-PO-RP3C	0.095 U	0.025 U	0.067 J	0.18 J	10.646	120.066	0.362 J	10.45	28.111	12.928	39.734	14.001	0.047 U	3.279	18.233	4.356	18.334	1.5 JT
RP07BPO	LW02-PO-RP7B	0.2 J	0.34 J	0.241 J	0.846 J	50.132	448.657	1.64 U	41.369	84.472	28.335	163.025	38.512	0.297 U	6.905	39.009	15.102	59.619	45.1 JT
WR-PO-36	WLCDRD05PO03636	0.064 U	0.149 J	0.132 J	0.555 J	15.753	119.242	0.842 J	1.959	2.592 J	1.286 J	2.22 J	0.614 U	0.334 U	0.259 U	2.373 J	0.245 U	7.26 J	1.81 J
WR-PO-56	WLCDRD05PO03656	0.105 U	0.164 J	0.126 U	0.559 J	22.477	209.406	0.957 J	5.014	5.243 J	1.99 J	5.894	1.696 J	0.103 U	0.589 J	4.698 J	1.38 J	14.005	3.32 J
WR-PO-58	WLCDRD05PO03858	0.118 U	0.038 U	0.269 J	0.776 J	63.268	372.872	2.289 J	0.729 J	0.819 J	0.428 U	4.075 J	1.381 J	0.077 U	0.836 J	15.101	2.025 J	58.33	2.28 J
WR-PO-60	WLCDRD05PO06060	1.68	0.935 J	2.301 J	7.129	649.209	6374.098 J	23.95	0.702 J	2.232 J	2.532 J	23.491	11.067	0.496 J	10.679	176.188	17.252	771.04	21.1 J
WR-PO-62	WLCDRD05PO06262	0.057 U	0.04 U	0.154 J	0.556 J	17.566	165.105	0.893 J	1.248	0.941 J	0.483 J	1.405 J	0.5 J	0.053 U	0.291 J	4.59 J	0.447 J	12.682	1.04 J
WR-PO-64	WLCDRD05PO06464	0.051 U	0.386 U	0.56 U	1.704 J	46.658	401.536	2.504 J	9.789	13.13	5.252 J	59.574	13.213	0.78 J	2.815 J	36.387	11.504	61.501	13.8 J
WR-PO-66	WLCDRD05PO06666	0.081 U	0.089 U	0.284 U	0.671 U	23.935	220.763	1.076 J	3.802	4.156 J	1.569 J	9.882	2.833 J	0.924 J	0.093 U	9.195	1.969 J	15.064	3.32 J
WR-PO-68	WLCDRD05PO06868	0.326 U	0.395 U	0.395 U	1.545 J	56.709	622.147 J	2.374 J	60.064	139.503	64.839	213.017	54.551	2.739 J	15.611	64.946	25.244	94.842 J	75.9 J
WR-PO-70	WLCDRD05PO07070	0.099 U	0.1 U	0.205 U	0.224 U	22.12	224.324	0.892 U	16.451	23.46	9.126	49.244	13.603	4.776	2.864 J	29.369	10.94	70.469	15.2 J
WR-PO-72	WLCDRD05PO07272	0.09 U	0.103 U	0.15 U	0.446 J	23.525	175.512	0.672 U	12.836	34.054	9.573	51.912	10.788	4.464	2.286 J	14.91	6.486	23.673	15.3 J
WR-PO-Ref01	WLCDRD05PO01Ref01	0.057 U	0.053 U	0.035 U	0.199 J	4.253 J	41.823	0.24 J	0.084 U	0.041 U	0.043 U	0.102 U	0.032 U	0.035 U	0.031 U	0.706 U	0.033 U	2.179 J	0.101 J
WR-PO-Ref02	WLCDRD05PO02Ref02	0.12 U	0.082 U	0.078 U	0.277 U	12.355	87.909	0.456 J	0.108 U	0.066 U	0.069 U	0.181 J	0.05 U	0.052 U	0.047 U	1.377 J	0.135 J	5.145	0.24 J
WR-PO-Ref03	WLCDRD05PO03Ref03	0.047 U	0.042 U	0.023 U	0.263 J	6.38	47.52	0.343 J	0.05 U	0.03 U	0.044 U	0.102 U	0.03 U	0.036 U	0.033 U	1.68 J	0.126 J	4.312 J	0.158 J
SED099-05	WLCMBJ99D09905D09905	1 U	4.9 U	4.9 U	6.8	220	1600	16	1.7 J	4.9 U	7.2	11	12 UJ	4.9 U	4.9 U	37	4.9 U	65	9.89 JT
SED099-11	WLCMBJ99D09911D09911	1 U	4.8 U	4.8 U	4.8 U	210	1700	12	1 U	4.8 U	4.8 U	9.4	5.7 UJ	4.8 U	4.8 U	45	5	110	4.92 JT
SED099-14	WLCMBJ99D09914D09914	1 U	4.9 U	4.9 U	4.9 U	150	1400	5	1 U	4.9 U	4.9 U	13	6.2 UJ	4.9 U	4.9 U	38	4.9 U	93	3.83 JT
SED099-16	WLCMBJ99D09916D09916	2.6	18	33	73	3800	29000	250	6 J	13	34	66	54 UJ	24	38	330	29	740	132 JT
SED099-18	WLCMBJ99D09918D09918	1 U	11	16	35	1700	12000	120	1 U	6.2	16	34	22 UJ	12	20	140	12	270	62.8 JT
SED099-19	WLCMBJ99D09919D09919	1 U	4.9 U	4.9 U	4.9 U	71	590	4.9 U	1 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	8.7	4.9 U	55	0.862 T
SED099-21	WLCMBJ99D09921D09921	1.2	8.6	15	27	1400	11000	80	1.9 J	4.9 U	9	21	19 UJ	6.6	10	120	9.3	270	46.9 JT
SED099-22	WLCMBJ99D09922D09922	3.1	18	24	49	1400	9400	86	1 U	4.8 U	7.6	18	16 UJ	5.1	9.9	110	8.3	240	60.3 JT
SED099-25	WLCMBJ99D09925D09925	1 U	4.9 U	4.9 U	4.9	410	3100	15	1 U	4.9 U	4.9 U	7.9	6.3 UJ	4.9 U	4.9 U	48	4.9 U	120	7.68 JT
SED099-33	WLCMBJ99D09933D09933	4	48	89	180	6300	39000	460	4.8 J	4.4 U	34 UJ	67	61 UJ	31	25	490	33	630	210 JT
SED099-33	WLCMBJ99D09933D09950	2.9	25	56	110	4200	27000	300	4 J	10	25	39	38 UJ	18	23	260	20	360	144 JT
SED099-37	WLCMBJ99D09937D09937	1 U	6.3	12	23	880	5800	59	1 U	4.9 U	4.9 U	13	14 UJ	4.9 U	7.7	80	5.9	240	28 JT
SD079	WR-WSI98SD0790	0.51	3.2	3.7	8.5	740	7800 J	44	1.8 U	1.6 J	1.9	5.3	5.5	7.2	10	150	14	420	23 JT
SD082	WR-WSI98SD0820	0.84	3.7	5.1	11	410	3500 J	29	1.5 U	1.7 UJ	3.9 U	9.2 U	2.9	2.5 U	4.5	44	31	81	16.1 T*
SD086	WR-WSI98SD0860	1.1	6.9	13	28	970	6800 J	83	2.5 U	10 UJ	14 U	15	6.9	5.9	12	130	6.9	170	39 T*

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Table C2-5. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Sediment Samples.

	CAS No	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	31508-00-6	PCB106_118	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB077	PCB081	PCB126	PCB169	PCB114	PCB118	PCB106 & 118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**															
BT014	LW2-OBT014	34	1.03 J	3.02 J	1.14 U	8.22		463	8.79	59.7	11.1	26.7	10.9	163	0.41 JT	1.59 JT
BT015	LW2-OBT015	58	1.64 J	5.86	1.34 U	14.6		735	13.9	89.2	18.8	40.1	16	254	0.756 JT	7.6 JT
BT016	LW2-OBT016	251	106	455	3.02 U	207		45400	511	32300	1690	13600	11400	6230	69.1 T	703 JT
BT017	LW2-OBT017	301	54.5	30.1	1.08 U	250		5120	158	204	48.5	84.1	30.2	2610	4.14 T	45.3 JT
BT018	LW2-OBT018	92.4	3.63 J	7.01	1.61 U	29.3		875	23.2	101	21.8	45.7	20	354	0.914 JT	249 JT
BT019	LW2-OBT019	301	1.13 J	4.19 J	1.18 U	7.76		441	8.81	68.3	16.5	33.4	13	155	0.531 JT	4.5 JT
BT020	LW2-OBT020	42.7	1.43 J	4.69	0.761 U	12.2		561	10.6	66.3	14.7	32.3	10.5	198	0.598 JT	4.08 JT
BT021	LW2-OBT021	77.3	3.75	4.26	0.695 U	15		679	12.3	70	14.5	29.8	10.1	251	0.579 T	0.815 JT
BT022	LW2-OBT022	173	38.3	48.7	1.93 U	204		9900	128	1450	296	582	129	3160	7.2 T	9.91 JT
BT023	LW2-OBT023	81.3 T	6.38 JT	20.3 T	1.57 UT	71.2 T		4160 T	52.3 T	492 T	103 T	193 T	41.7 T	1230 T	2.92 JT	3.11 JT
BT024	LW2-OBT024	89.9	12.6	34.8	1.05 U	167		7720	122	1790	413	643	111	2670	5.74 T	5.81 JT
BT025	LW2-OBT025	47.2	2.61	4.58	0.885 U	12.5		753	11.6	87.3	18.1	38.8	15.1	233	0.624 T	0.961 JT
BT026	LW2-OBT026	180	18.5	82.4	3.06 U	185		12100	137	3170	392	1310	714	3470	11.8 T	13.7 JT
BT0271	LW2-OBT027-1	19.3	1.81 J	5.45	0.843 U	9.15		599	9.59	132	22.1	87.8	42.5	187	0.713 JT	0.95 JT
BT0272	LW2-OBT027-2	20.4 T	1.5 JT	3.68 T	0.766 UT	9.34 T		528 T	8.79 T	120 T	20.3 T	54.6 T	71 T	170 T	0.523 JT	1.44 JT
BT028	LW2-OBT028	4730	215	148	2.18 U	1110		30900	713	2400	483	892	242	14200	21.9 T	39.1 JT
BT029	LW2-OBT029	40.7 T	2.4 JT	15.3 T	2.62 UT	16.4 T		1070 T	14.6 T	227 T	46.8 T	123 T	56.3 T	343 T	1.83 JT	3.21 JT
BT030	LW2-OBT030	51.1	11	11.8	0.931 U	30.3		2450	38.9	346	79	151	36.9	806	1.75 T	3.58 JT
BT031	LW2-OBT031	12	0.673 J	2.2 J	0.64 U	4.42		243	4.95	37.2	7.29	16.6	5.78	76.8	0.279 JT	0.865 JT
BT032	LW2-OBT032	253	13.1	34.3	2.97 U	45		3330	45.9	774	122	484	327	966	4.4 T	12.4 JT
BT033	LW2-OBT033	27.6	1.41 J	5.32	1 U	12.1		627	12.1	147	36.2	54.3	13.6	260	0.725 JT	1.2 JT
U1C-1	LW2-U1C-1															
U1C-2	LW2-U1C-2															
U1C-3	LW2-U1C-3															
U2C-1	LW2-U2C-1															
U2C-2	LW2-U2C-2	56.8	1.28 J	6.61	0.509 U	22.8		1200	17.2	132	26.7	53	12.5	389	0.92 JT	1.02 JT
U2C-3	LW2-U2C-3															
U3C-1	LW2-U3C-1															
U3C-2	LW2-U3C-2															
U3C-3	LW2-U3C-3															
U4Q-1	LW2-U4Q-1	9.86	0.348 J	1.38	0.362 U	3.26		153	3.61	19.7	4.73	8.99	2.04	60.2	0.175 JT	0.183 JT
U4Q-2	LW2-U4Q-2															
U4Q-3	LW2-U4Q-3															
U5Q-1	LW2-U5Q-1															
U5Q-2	LW2-U5Q-2															
U5Q-3	LW2-U5Q-3															
U6TOC-1	LW2-U6TOC-1															
U6TOC-2	LW2-U6TOC-2															
U6TOC-3	LW2-U6TOC-3															
02R001	LW0010202R003D3015C00	2860	137	87	0.821 J	87.5	19600 J		611	1500	365	521	84	11300	13.5 JT	19.5 JT
03R003	LW0010303R003SD3015C10	7.72 T	0.274 T	0.838 T	0.207 UT	3.92 T	208 T		4.16 T	43.9 T	10.1 T	21.8 T	7.84 T	81.5 T	0.146 T	2.05 JT
03R004	LW0010303R004SD3015C11	1330	63.9	25.8	1.18	350	11500		246	1580	401	614	147	5710	5.66 T	10.5 JT
03R005	LW0010303R005SD3015C00	1040	46.2	225	10.5	3000	170000 J		2900	16300	6800	9110	959	54500	58.7 JT	78 JT
06R002	LW0010606R002SD3015C10	27.7	0.932	2.87	0.55 J	11.7	657		12.4	221	28.2	103	73.9	213	0.522 JT	58 JT
06R002	LW0010606R002SD3015C20	19.5	0.676 J	2.47	0.403	11.4	742		13.9	467	42.1	192	143	203	0.625 JT	103 JT
06R002	LW0010606R002SD3015C31	19 T	0.785 T	2.44 T	0.375 T	7.05 T	520 T		10.3 T	261 T	25.2 T	105 T	68.7 T	163 T	0.474 T	45.6 JT
06R004	LW0010606R004SD3015C00	45.6	2.26	2.83	0.21 U	56.7	2360		38.8	371	81.4	122	23.1	992	0.855 T	5.55 JT
07R006	LW0010707R006SD3015C00	1790	87.5	69.6	13.7	786	15200		480 UJ	10.90	216	404	262	8540	10.7 JT	16600 JT
08R003	LW0010808R003SD3015C00	109	3.46	23.3	1.39	85.3	4470		56.4	859	169	321	95.7	1410	3.52 T	5.5 JT
09R002	LW0010909R002SD3015C00	191 T	6.35 T	27.3 T	3.95 T	71.9 T	3930 T		54 T	845 T	145 T	395 T	184 T	1300 T	3.87 T	20 JT
RP03CP0	LW02-PG-RP3C															
RP07BP0	LW02-PG-RP7B															
WR-PG-36	WLCDRD05PG03636															
WR-PG-56	WLCDRD05PG05656															
WR-PG-58	WLCDRD05PG05858															
WR-PG-60	WLCDRD05PG06060															
WR-PG-62	WLCDRD05PG06262															
WR-PG-64	WLCDRD05PG06464															
WR-PG-66	WLCDRD05PG06666															
WR-PG-68	WLCDRD05PG06868															
WR-PG-70	WLCDRD05PG07070															
WR-PG-72	WLCDRD05PG07272															
WR-PG-Ref01	WLCDRD05PGR01Ref01															
WR-PG-Ref02	WLCDRD05PGR02Ref02															
WR-PG-Ref03	WLCDRD05PGR03Ref03															
SED099-05	WLCMBI99D09905D09905															
SED099-11	WLCMBI99D09911D09911															
SED099-14	WLCMBI99D09914D09914															
SED099-16	WLCMBI99D09916D09916															
SED099-18	WLCMBI99D09918D09918															
SED099-19	WLCMBI99D09919D09919															
SED099-21	WLCMBI99D09921D09921															
SED099-22	WLCMBI99D09922D09922															
SED099-25	WLCMBI99D09925D09925															
SED099-33	WLCMBI99D09933D09933															
SED099-33	WLCMBI99D09933D09930															
SED099-37	WLCMBI99D09937D09937															
SD079	WR-WSI98SD0790															
SD082	WR-WSI98SD0820															
SD086	WR-WSI98SD0860															

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
B001	LW2-B001	2.4	0.287	4.65	7.34 T	3.35 J	0.0348 U	7.1 J	17.8 JT	5.75 JT	0.287 T	11.8 JT
B002	LW2-B002	0.0468 U	0.0438 U	0.452	0.452 T	0.0312 U	0.0332 U	0.0438 U	0.452 T	0.0468 UT	0.0438 UT	0.452 T
B003	LW2-B003	1.89	0.209	0.47 NJ	2.57 JT	0.27 NJ	0.0365 U	0.561 NJ	3.4 JT	2.16 JT	0.209 T	1.03 JT
B004	LW2-B004	1.24 NJ	0.0449 U	2.79	4.03 JT	0.695 U	0.034 U	3.9 NJ	7.93 JT	1.24 JT	0.0449 UT	6.69 JT
B005	LW2-B005	0.629	0.14	0.461 J	1.23 JT	0.371 NJ	0.0328 U	0.46 NJ	2.06 JT	1 JT	0.14 T	0.921 JT
B006	LW2-B006	0.0447 U	0.042 U	0.311 NJ	0.311 JT	0.0299 U	0.0317 U	0.042 U	0.311 JT	0.0447 UT	0.042 UT	0.311 JT
B007	LW2-B007	0.749 NJ	0.398 NJ	0.447 J	1.59 JT	0.472 NJ	0.0359 U	0.0475 U	2.07 JT	1.22 JT	0.398 JT	0.447 JT
B008	LW2-B008	0.576 J	0.0387 U	0.0478 U	0.576 JT	0.0276 U	0.0293 U	0.235 NJ	0.811 JT	0.576 JT	0.0387 UT	0.235 JT
B009	LW2-B009	0.056 U	0.0407 U	0.406 J	0.406 JT	0.029 U	0.0308 U	0.432 NJ	0.838 JT	0.056 UT	0.0407 UT	0.838 JT
B010	LW2-B010	0.459	0.249 J	0.778 J	1.49 JT	0.108 NJ	0.0368 U	0.239 J	1.83 JT	0.567 JT	0.249 JT	1.02 JT
B011	LW2-B011	0.041 U	0.0384 U	1.21 NJ	1.21 JT	0.0273 U	0.029 U	0.0384 U	1.21 JT	0.041 UT	0.0384 UT	1.21 JT
B012	LW2-B012	1.27 NJ	0.269 NJ	0.781 J	2.32 JT	0.8 J	0.031 U	0.041 U	3.12 JT	2.07 JT	0.269 JT	0.781 JT
B015	LW2-B015	0.204	0.588	0.438 J	1.23 JT	0.0272 U	0.0288 U	0.367 NJ	1.6 JT	0.204 T	0.588 T	0.805 JT
B016	LW2-B016	3.75 J	0.639 NJ	1.21 NJ	5.6 JT	3.1 NJ	0.0308 U	0.553 NJ	9.25 JT	6.85 JT	0.639 JT	1.76 JT
B017	LW2-B017	0.082 NJ	0.088 NJ	0.219 J	0.389 JT	0.0303 UJ	0.0322 UJ	0.085 J	0.474 JT	0.082 JT	0.088 JT	0.304 JT
B018	LW2-B018	28.3 NJ	122 NJ	184 J	334 JT	20 J	13 J	123 J	490 JT	48.3 JT	135 JT	307 JT
B019	LW2-B019	0.428 NJ	0.0406 U	2.64 J	3.07 JT	0.186 NJ	0.0307 U	0.255 NJ	3.51 JT	0.614 JT	0.0406 UT	2.9 JT
B020	LW2-B020	0.934	0.511 J	0.559 J	2 JT	0.141 NJ	0.0341 U	0.183 J	2.33 JT	1.08 JT	0.511 JT	0.742 JT
B021	LW2-B021	0.412 NJ	0.261 NJ	0.414 J	1.09 JT	0.123 NJ	0.0288 U	0.0381 U	1.21 JT	0.535 JT	0.261 JT	0.414 JT
B022-1	LW2-B022-1	1.82	1.37 NJ	0.941 NJ	4.13 JT	0.291 NJ	1.06 NJ	0.535 NJ	6.02 JT	2.11 JT	2.43 JT	1.48 JT
B022-2	LW2-B022-2	1.96 J	1.15 J	1.64 NJ	4.75 JT	0.32 NJ	0.0364 U	0.0482 U	5.07 JT	2.28 JT	1.15 JT	1.64 JT
B023	LW2-B023	0.219 J	0.407	0.508 J	1.13 JT	0.057 NJ	0.03 U	0.0396 U	1.19 JT	0.276 JT	0.407 T	0.508 JT
B024	LW2-B024	4.71 NJ	5.03	0.789 NJ	10.5 JT	2.93 J	0.0346 U	0.0457 U	13.5 JT	7.64 JT	5.03 T	0.789 JT
B025-1	LW2-B025-1	0.184 NJT	0.186 NJT	0.325 JT	0.695 JT	0.029 UT	0.0308 UT	0.0407 UT	0.695 JT	0.184 JT	0.186 JT	0.325 JT
B025-2	LW2-B025-2	0.947 NJ	0.796 NJ	0.423 J	2.17 JT	0.38 NJ	0.0312 U	0.0413 U	2.55 JT	1.33 JT	0.796 JT	0.423 JT
B026	LW2-B026	2.75	2.18 J	13 NJ	17.9 JT	0.56 NJ	0.0416 U	0.785 NJ	19.3 JT	3.31 JT	2.18 JT	13.8 JT
B050	LW2-B050	81.5 NJ	33.2 NJ	78.3 J	193 JT	28.2 J	5.61 J	23.9 J	251 JT	110 JT	38.8 JT	102 JT
C060	LW2-C060-A	1.8 J	0.33 NJ	0.2 UJ	2.13 JT	1.2 NJ	0.23 NJ	0.43	3.99 JT	3 JT	0.56 JT	0.43 T
C084	LW2-C084-A	1.1	0.72 NJ	3.1	4.92 JT	1.1 U	0.54 U	2.7	7.62 JT	1.1 T	0.72 JT	5.8 T
C087	LW2-C087-A	1.3	1.3 J	0.34 U	2.6 JT	1.2 NJ	0.38 U	1.8	5.6 JT	2.5 JT	1.3 JT	1.8 T
C093	LW2-C093-A	76.5	67.2	27.2	171 T	48.9 NJ	7.99 J	10.6 J	238 JT	125 JT	75.2 JT	37.8 JT
C094	LW2-C094-A	9.2	4.3 U	32	41.2 T	16 U	6.3 U	35 J	76.2 JT	9.2 T	6.3 UT	67 JT
C106	LW2-C106-A	2.2 J	3.2 J	0.59 UJ	5.4 JT	1.8 J	0.11 U	1.1 J	8.3 JT	4 JT	3.2 JT	1.1 JT
C109	LW2-C109-A	2	2.6	1.1	5.7 T	1.1 U	0.11 U	0.7 U	5.7 T	2 T	2.6 T	1.1 T
C138	LW2-C138-A	4.6	2.7 J	1.2 U	7.3 JT	3 U	0.41 U	2 U	7.3 JT	4.6 T	2.7 JT	2 UT
C144	LW2-C144-A	3.9 J	3.4 J	1 J	8.3 JT	2.2 J	0.87	0.72	12.1 JT	6.1 JT	4.27 JT	1.72 JT
C158	LW2-C158-A	4	2.2	1.2	7.4 T	2.1	0.68 U	0.28 U	9.5 T	6.1 T	2.2 T	1.2 T
C162	LW2-C162-A	3.2 J	2 J	5.4 J	10.6 JT	1.8	0.41 NJ	0.36 J	13.2 JT	5 JT	2.41 JT	5.76 JT
C167	LW2-C167-A	1.8	0.93 J	3 J	5.73 JT	1	0.14 U	0.16 U	6.73 JT	2.8 T	0.93 JT	3 JT
C169	LW2-C169-A	1.9	1.7	4.3	7.9 T	1.3 NJ	0.38 J	0.27 U	9.58 JT	3.2 JT	2.08 JT	4.3 T
C171	LW2-C171-A	2.4	1.7	0.91 NJ	5.01 JT	1.5	0.53 NJ	0.3 J	7.34 JT	3.9 T	2.23 JT	1.21 JT
C196	LW2-C196-A	3.9 J	2 J	1.2 UJ	5.9 JT	3.8 J	0.75	1.1 U	10.5 JT	7.7 JT	2.75 JT	1.2 UJT
C290	LW2-C290-A	1.2	0.63 J	7.3	9.13 JT	1	0.2 U	1	11.1 JT	2.2 T	0.63 JT	8.3 T
C291	LW2-C291-A	1.3	1.7	1.3	4.3 T	0.88	0.51 U	0.45	5.63 T	2.18 T	1.7 T	1.75 T
C299	LW2-C299-A	15 NJ	6.2	10 J	31.2 JT	15	7.4 U	9.6 J	55.8 JT	30 JT	6.2 T	19.6 JT
C300-1	LW2-C300-A	2.3 J	4.4	3.9	10.6 JT	5.2 NJ	0.34 U	3.5 J	19.3 JT	7.5 JT	4.4 T	7.4 JT
C312	LW2-C312-A	14	5.8 J	240 J	260 JT	10 J	0.36 U	4.5 J	274 JT	24 JT	5.8 JT	245 JT
C421	LW2-C421-A	1.9	2.4 NJ	14	18.3 JT	2.7 U	0.22 U	11	29.3 JT	1.9 T	2.4 JT	25 T
C436	LW2-C436-A	1.1	1.4	0.62	3.12 T	0.35 U	0.29 U	0.49	3.61 T	1.1 T	1.4 T	1.11 T
C440	LW2-C440-A	1.7	3.4	1.2 J	6.3 JT	0.44 U	0.4 U	0.6	6.9 JT	1.7 T	3.4 T	1.8 JT
C447	LW2-C447-A	2.1	4.6	1.8	8.5 T	0.76 U	0.58 U	1.9	10.4 T	2.1 T	4.6 T	3.7 T
C448	LW2-C448-A	2.3 J	4.8	1.2	8.3 JT	1 NJ	1.2 U	0.97 J	10.3 JT	3.3 JT	4.8 T	2.17 JT
C449	LW2-C449-A	1.8 J	3.6 J	1.2 J	6.6 JT	0.86 U	0.33 U	1.1 J	7.7 JT	1.8 JT	3.6 JT	2.3 JT
C522	LW2-C522-A	3.8 J	2.2 J	6.2 J	12.2 JT	2.9 J	0.12 U	1.1	16.2 JT	6.7 JT	2.2 JT	7.3 JT
C523	LW2-C523-A	3.5 J	1.4 J	0.45 NJ	5.35 JT	2.1 J	0.37 NJ	0.65 UJ	7.82 JT	5.6 JT	1.77 JT	0.45 JT
C524	LW2-C524-A	18 J	2.7 J	3.5 J	24.2 JT	10 J	1.1 U	1.7 U	34.2 JT	28 JT	2.7 JT	3.5 JT
C525	LW2-C525-A	40 NJ	5	21	66 JT	30 U	5 U	9.7 U	66 JT	40 JT	5 T	21 T
C527	LW2-C527-A	20 J	9 NJ	140	169 JT	14 U	4.3 U	53 J	222 JT	20 JT	9 JT	193 JT
C528	LW2-C528-A	6.1	2.4	6.6	15.1 T	3.1	0.74 J	0.75 U	18.9 JT	9.2 T	3.14 JT	6.6 T
C529	LW2-C529-A	5.1 J	2.3 J	2.1 J	9.5 JT	2.6	0.6 U	1.2 J	13.3 JT	7.7 JT	2.3 JT	3.3 JT
C530	LW2-C530-A	7.9 J	3.6 J	9.1 J	20.6 JT	4.1	0.2 U	1.3 U	24.7 JT	12 JT	3.6 JT	9.1 JT
C531	LW2-C531-A	1.9 U	5.6	7.4	13 T	14 J	0.5 U	2.3 U	27 JT	14 JT	5.6 T	7.4 T
C532	LW2-C532-A	3.3 J	8 J	1.4 UJ	11.3 JT	1.3 NJ	0.12 U	1.7 U	12.6 JT	4.6 JT	8 JT	1.7 UT
C533	LW2-C533-A	1.5 J	0.34 J	4.1 J	5.94 JT	3.3 U	0.76 U	3.6 NJ	9.54 JT	1.5 JT	0.34 JT	7.7 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
D1-1	LW2-D1-1	1.75 JT	2.41 JT	0.21 JT	4.37 JT	0.39 JT	0.726 JT	0.309 JT	5.8 JT	2.14 JT	3.14 JT	0.519 JT
D1-2	LW2-D1-2	1.68 J	2	3.4 J	7.08 JT	0.334 J	0.66 J	0.882 J	8.96 JT	2.01 JT	2.66 JT	4.28 JT
D2	LW2-D2	1.28 NJ	0.83 NJ	0.169 J	2.28 JT	0.191 J	0.0436 U	0.194 J	2.66 JT	1.47 JT	0.83 JT	0.363 JT
G001	LW2-G001	1.45	1.87	0.682 NJ	4 JT	0.174 NJ	0.0569 U	0.0753 U	4.18 JT	1.62 JT	1.87 T	0.682 JT
G002	LW2-G002	1.15	2.21	0.587 J	3.95 JT	0.0595 U	0.0632 U	0.288 J	4.24 JT	1.15 T	2.21 T	0.875 JT
G003	LW2-G003	1.79 J	1.57 J	2 NJ	5.36 JT	0.0588 UJ	0.0624 UJ	1.15 NJ	6.51 JT	1.79 JT	1.57 JT	3.15 JT
G004	LW2-G004	0.467 J	2.17 J	0.0865 UJ	2.64 JT	1.68	0.0531 U	0.147 J	4.46 JT	2.15 JT	2.17 JT	0.147 JT
G005	LW2-G005	1.47 J	1.63 J	0.113 UJ	3.1 JT	0.0651 UJ	0.0691 UJ	0.0914 UJ	3.1 JT	1.47 JT	1.63 JT	0.113 UJT
G006	LW2-G006	1.95 J	1.96 J	2.21 NJ	6.12 JT	0.0653 UJ	0.0693 UJ	0.764 NJ	6.88 JT	1.95 JT	1.96 JT	2.97 JT
G007-1	LW2-G007-1	1.74 NJT	2.66 NJT	0.23 NJT	4.63 JT	0.712 NJT	0.056 UJT	0.074 UJT	5.34 JT	2.45 JT	2.66 JT	0.23 JT
G007-2	LW2-G007-2	1.45 NJ	2.52 NJ	0.996 J	4.97 JT	0.708 NJ	0.0609 UJ	0.0806 UJ	5.67 JT	2.16 JT	2.52 JT	0.996 JT
G008	LW2-G008	1.11 J	1.79 J	4.57 J	7.47 JT	0.389 J	0.069 UJ	2.1 J	9.96 JT	1.5 JT	1.79 JT	6.67 JT
G009	LW2-G009	2.06 J	3.11	0.999 J	6.17 JT	29.7 J	0.0392 U	3.38 NJ	39.2 JT	31.8 JT	3.11 T	4.38 JT
G010	LW2-G010	5.44	0.722 NJ	1.92 J	8.08 JT	0.0603 U	0.369 NJ	0.854 NJ	9.31 JT	5.44 T	1.09 JT	2.77 JT
G011	LW2-G011	3.96	4.24 J	1.46 J	9.66 JT	10.9 NJ	0.046 U	1.99 NJ	22.6 JT	14.9 JT	4.24 JT	3.45 JT
G012	LW2-G012	1.74 NJ	1.97 NJ	0.376 J	4.09 JT	0.239 NJ	0.056 U	0.289 NJ	4.61 JT	1.98 JT	1.97 JT	0.665 JT
G013	LW2-G013	1.99 NJ	2.11 NJ	1.68 J	5.78 JT	0.542 NJ	0.0649 U	0.367 NJ	6.69 JT	2.53 JT	2.11 JT	2.05 JT
G014	LW2-G014	0.856 NJ	2.33 NJ R		3.19 JT	0.29 NJ	0.0683 U	0.0903 U	3.48 JT	1.15 JT	2.33 JT	0.0903 UT
G015	LW2-G015	2.88 J	2.98 J	3.17 NJ	9.03 JT	2.45 NJ	0.0474 U	2.84 NJ	14.3 JT	5.33 JT	2.98 JT	6.01 JT
G016	LW2-G016	1.62	2.97	0.707 J	5.3 JT	1.51 NJ	0.0681 U	0.211 J	7.02 JT	3.13 JT	2.97 T	0.918 JT
G017	LW2-G017	3.18 J	2.97 J	1.48 J	7.63 JT	0.561 NJ	0.0568 U	1.83 NJ	10 JT	3.74 JT	2.97 JT	3.31 JT
G018	LW2-G018	2.3 J	2.76	2.46	7.52 JT	0.275 NJ	0.0648 U	1.65 NJ	9.45 JT	2.58 JT	2.76 T	4.11 JT
G019	LW2-G019	1.65 J	0.835 NJ	1.72	4.21 JT	0.517 NJ	0.0327 U	1.96 NJ	6.68 JT	2.17 JT	0.835 JT	3.68 JT
G020	LW2-G020	1.71	2.61	1.08 J	5.4 JT	1.57 NJ	0.0592 U	1.13 J	8.1 JT	3.28 JT	2.61 T	2.21 JT
G021	LW2-G021	2.06	3.06	0.857	5.98 T	0.263 NJ	0.0655 U	0.0866 U	6.24 JT	2.32 JT	3.06 T	0.857 T
G022	LW2-G022	2.03 J	2.21	2.06	6.3 JT	0.232 NJ	0.0648 U	1.09 NJ	7.62 JT	2.26 JT	2.21 T	3.15 JT
G023-1	LW2-G023-1	0.194 NJT	0.275 NJT	0.161 J	0.63 JT	0.236 JT	0.0378 UJT	0.184 JT	1.05 JT	0.43 JT	0.275 JT	0.345 JT
G023-2	LW2-G023-2	0.0609 UJ	0.365 NJ R		0.365 JT	0.0406 UJ	0.0432 UJ	0.113 J	0.478 JT	0.0609 UJT	0.365 JT	0.113 JT
G024	LW2-G024	1.75	2.37	5.64	9.76 T	3.05 NJ	0.411	0.467 NJ	13.7 JT	4.8 JT	2.78 T	6.11 JT
G025	LW2-G025	0.311	2.07 NJ	2.53 J	4.91 JT	2.02 NJ	0.0336 U	5.8 NJ	12.7 JT	2.33 JT	2.07 JT	8.33 JT
G026	LW2-G026	1.07 NJ	2.47 NJ	0.15 NJ	3.69 JT	0.262 NJ	0.062 U	0.082 U	3.95 JT	1.33 JT	2.47 JT	0.15 JT
G027	LW2-G027	0.805	1.02	0.653 J	2.48 JT	0.379 NJ	0.0357 U	0.439 NJ	3.3 JT	1.18 JT	1.02 T	1.09 JT
G028	LW2-G028	3.38 NJ	5.28 NJ	0.604 J	9.26 JT	0.859 J	3.24 J	0.0702 UJ	13.4 JT	4.24 JT	8.52 JT	0.604 JT
G029	LW2-G029	17 J	5.25	2.55	24.8 JT	1.99 NJ	1.64 J	0.933	29.4 JT	19 JT	6.89 JT	3.48 T
G030	LW2-G030	2.26 J	3.42 J	0.623	6.3 JT	1.4 NJ	0.066 U	1.06 NJ	8.76 JT	3.66 JT	3.42 JT	1.68 JT
G031	LW2-G031	1.87 NJ	2.94 NJ	0.137 J	4.95 JT	0.42 J	0.864 J	0.0689 UJ	6.23 JT	2.29 JT	3.8 JT	0.137 JT
G032	LW2-G032	1.27 J	2.31 J	0.294 J	3.87 JT	0.298 NJ	2.03 NJ	1.21	7.41 JT	1.57 JT	4.34 JT	1.5 JT
G033	LW2-G033	1.79	1.24	0.323	3.35 T	0.272 NJ	0.217 NJ	0.0586 U	3.84 JT	2.06 JT	1.46 JT	0.323 T
G034	LW2-G034	2.53	2.9	25.8	31.2 T	0.396 NJ	0.0343 U	0.227 J	31.9 JT	2.93 JT	2.9 T	26 JT
G035	LW2-G035	2.1	3.4	0.564 NJ	6.06 JT	0.663 NJ	1.17 NJ	0.3 J	8.2 JT	2.76 JT	4.57 JT	0.864 JT
G036	LW2-G036	2.27 J	2.79	0.816	5.88 JT	0.379 NJ	0.0667 U	0.352	6.61 JT	2.65 JT	2.79 T	1.17 T
G037	LW2-G037	0.21 J	0.172	0.218 J	0.6 JT	0.0334 U	0.0355 U	0.335 J	0.935 JT	0.21 JT	0.172 T	0.553 JT
G038	LW2-G038	0.977 J	1.03 J	0.334 UJ	2.01 JT	0.224 J	0.205 U	0.271 U	2.23 JT	1.2 JT	1.03 JT	0.334 UJT
G039	LW2-G039	1.95 J	2.77	0.358 J	5.08 JT	0.308 NJ	0.0623 U	1.02	6.41 JT	2.26 JT	2.77 T	1.38 JT
G040	LW2-G040	0.545 J	0.274 J	0.152 J	0.971 JT	0.105 NJ	0.0334 U	0.471 NJ	1.55 JT	0.65 JT	0.274 JT	0.623 JT
G041	LW2-G041	4.61 J	3.67	0.823	9.1 JT	0.605 NJ	1.33 NJ	0.734 NJ	11.8 JT	5.22 JT	5 JT	1.56 JT
G042	LW2-G042	2.86 J	2.7	1.92	7.48 JT	0.344 NJ	0.0573 U	1.07 NJ	8.89 JT	3.2 JT	2.7 T	2.99 JT
G043	LW2-G043	2.5 NJ	1.87 NJ	0.383 J	4.75 JT	0.429 J	0.0627 U	0.133 J	5.32 JT	2.93 JT	1.87 JT	0.516 JT
G044-1	LW2-G044-1	2.09 JT	2.63 T	0.874 JT	5.59 JT	0.491 JT	0.0612 UT	0.0809 UT	6.09 JT	2.58 JT	2.63 T	0.874 JT
G044-2	LW2-G044-2	1.82 J	2.24	0.104 UJ	4.06 JT	0.4 J	0.0636 U	0.084 U	4.46 JT	2.22 JT	2.24 T	0.104 UJT
G045	LW2-G045	1.47 J	0.714 NJ	0.585 J	2.77 JT	0.394 NJ	0.0352 U	0.387 NJ	3.55 JT	1.86 JT	0.714 JT	0.972 JT
G046	LW2-G046	0.97 NJ	2.62 NJ R		3.59 JT	0.0615 U	0.0653 U	0.0864 UJ	3.59 JT	0.97 JT	2.62 JT	0.0864 UJT
G047	LW2-G047	1.26	0.439 J	0.417	2.12 JT	1.01 NJ	0.0357 U	0.187 NJ	3.31 JT	2.27 JT	0.439 JT	0.604 JT
G048	LW2-G048	0.915	0.298 J	0.534 NJ	1.75 JT	0.785 NJ	0.0352 U	0.095 J	2.63 JT	1.7 JT	0.298 JT	0.629 JT
G049	LW2-G049	0.412	0.156	0.441 J	1.01 JT	0.262 NJ	0.0354 U	0.0468 U	1.27 JT	0.674 JT	0.156 T	0.441 JT
G050	LW2-G050	3 NJ	2.41 NJ	0.428 J	5.84 JT	0.547 J	0.945 J	0.0617 UJ	7.33 JT	3.55 JT	3.36 JT	0.428 JT
G051	LW2-G051	2.14	2.69	0.0942 U	4.83 T	0.31 NJ	0.0578 U	0.67 NJ	5.81 JT	2.45 JT	2.69 T	0.67 JT
G052	LW2-G052	0.937 J	0.552 NJ	0.499	1.99 JT	1.08 NJ	0.034 U	0.0449 U	3.07 JT	2.02 JT	0.552 JT	0.499 T
G053	LW2-G053	0.051 NJ	0.0455 U R		0.051 JT	0.0324 U	0.0344 U	0.0455 UJ	0.051 JT	0.051 JT	0.0455 UT	0.0455 UJT
G054	LW2-G054	0.954 NJ	0.232 NJ	0.211 J	1.4 JT	0.197 J	0.0366 UJ	0.0484 UJ	1.59 JT	1.15 JT	0.232 JT	0.211 JT
G055	LW2-G055	1.51 J	1.72	0.403 J	3.63 JT	0.0465 U	0.0494 U	0.0654 U	3.63 JT	1.51 JT	1.72 T	0.403 JT
G056	LW2-G056	1.78 NJ	1.18 NJ	0.741 J	3.7 JT	1.11 NJ	0.505 NJ	0.219 NJ	5.54 JT	2.89 JT	1.69 JT	0.96 JT
G057	LW2-G057	2.3 NJ	1.69 NJ	0.156 J	4.15 JT	0.418 J	0.0468 U	0.173 J	4.74 JT	2.72 JT	1.69 JT	0.329 JT
G058	LW2-G058	1.08	1.58	0.358 NJ	3.02 JT	0.0386 U	0.041 U	0.0542 U	3.02 JT	1.08 T	1.58 T	0.358 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G059	LW2-G059	0.385 J	0.19 J	0.511 J	1.09 JT	0.113 NJ	0.0339 U	0.0448 U	1.2 JT	0.498 JT	0.19 JT	0.511 JT
G060	LW2-G060	3.2 NJ	0.0476 U	1.02 J	4.22 JT	0.0339 U	0.036 U	0.0476 U	4.22 JT	3.2 JT	0.0476 UT	1.02 JT
G062	LW2-G062	1.03 NJ	0.671 NJ	1.07 NJ	2.77 JT	0.319 NJ	1.4 NJ	0.279 J	4.77 JT	1.35 JT	2.07 JT	1.35 JT
G063	LW2-G063	2.15 J	1.77	1.3 J	5.22 JT	0.0559 U	0.0594 U	0.0785 U	5.22 JT	2.15 JT	1.77 T	1.3 JT
G064	LW2-G064	7.78 NJ	1.5 NJ	4.15 J	13.4 JT	4.28 NJ	0.649 J	0.413 J	18.8 JT	12.1 JT	2.15 JT	4.56 JT
G065	LW2-G065	1.72 J	2.52	1.82 J	6.06 JT	0.304 J	0.601 J	3.43	10.4 JT	2.02 JT	3.12 JT	5.25 JT
G066	LW2-G066	4.59 J	6.85 J	33.1	44.5 JT	0.763 NJ	0.29 J	0.507 NJ	46.1 JT	5.35 JT	7.14 JT	33.6 JT
G067	LW2-G067	1.95 NJ	2 NJ	0.96 J	4.91 JT	0.377 NJ	0.0463 U	0.171 NJ	5.46 JT	2.33 JT	2 JT	1.13 JT
G068	LW2-G068	1.96 J	1.41 J	0.441 J	3.81 JT	0.285 J	0.0567 U	0.075 U	4.1 JT	2.25 JT	1.41 JT	0.441 JT
G069	LW2-G069	1.97 J	1.63 J	0.0785 U	3.6 JT	0.352 NJ	0.0481 U	0.0637 U	3.95 JT	2.32 JT	1.63 JT	0.0785 UT
G070	LW2-G070	3.35	3.09	0.851 J	7.29 JT	0.718 NJ	0.835 NJ	0.093 J	8.94 JT	4.07 JT	3.93 JT	0.944 JT
G071	LW2-G071	1.69	1.71	0.634 J	4.03 JT	0.45 J	0.0377 U	0.0499 U	4.48 JT	2.14 JT	1.71 T	0.634 JT
G072	LW2-G072	5.08	3.44	0.681	9.2 T	0.839 NJ	0.527 J	0.417 NJ	11 JT	5.92 JT	3.97 JT	1.1 JT
G073	LW2-G073	0.3 NJ	0.175 NJ	0.185 J	0.66 JT	0.122 NJ	0.0354 U	0.135 NJ	0.917 JT	0.422 JT	0.175 JT	0.32 JT
G074	LW2-G074	0.264 NJ	0.204 NJ	0.289 NJ	0.757 JT	0.207 NJ	0.189 J	0.0458 U	1.15 JT	0.471 JT	0.393 JT	0.289 JT
G075-1	LW2-G075-1	0.895	1.01	0.385 J	2.29 JT	0.105 J	0.47 J	0.174 J	3.04 JT	1 JT	1.48 JT	0.559 JT
G075-2	LW2-G075-2	0.977	1.34	0.162 J	2.48 JT	0.15 J	0.351 J	0.0567 U	2.98 JT	1.13 JT	1.69 JT	0.162 JT
G076	LW2-G076	2.23	3.13 J	0.839 NJ	6.2 JT	0.563 NJ	0.925	1.52 NJ	9.21 JT	2.79 JT	4.06 JT	2.36 JT
G077	LW2-G077	2.58 NJ	3.44 NJ	1.27 J	7.29 JT	0.936 J	1.66 J	0.722 J	10.6 JT	3.52 JT	5.1 JT	1.99 JT
G078	LW2-G078	0.255	0.16 J	0.199	0.614 JT	0.046 NJ	0.04 NJ	0.0441 U	0.7 JT	0.301 JT	0.2 JT	0.199 T
G079	LW2-G079	0.053 U	0.0497 U	0.0613 U	0.0613 UT	0.0354 U	0.0376 U	0.0497 U	0.0613 UT	0.053 UT	0.0497 UT	0.0613 UT
G080	LW2-G080	0.727	0.36	0.311	1.4 T	0.165 NJ	0.0342 U	0.172	1.74 JT	0.892 JT	0.36 T	0.483 T
G081	LW2-G081	2.25	2.19	0.638 NJ	5.08 JT	0.367 NJ	0.058 U	0.0767 U	5.45 JT	2.62 JT	2.19 T	0.638 JT
G082	LW2-G082	0.928	0.769	0.248	1.95 T	0.225 J	0.034 U	0.142 J	2.31 JT	1.15 JT	0.769 T	0.39 JT
G083	LW2-G083	1.75 J	1.43 J	1.02 NJ	4.2 JT	0.511 NJ	0.217 J	0.233 NJ	5.16 JT	2.26 JT	1.65 JT	1.25 JT
G085	LW2-G085	7.41 J	4.26 NJ	7.84 J	19.5 JT	3.37 NJ	2.57 NJ	0.0641 U	25.5 JT	10.8 JT	6.83 JT	7.84 JT
G086	LW2-G086	1.92	2.08	4.18 J	8.18 JT	0.458 J	0.524 J	0.192 J	9.35 JT	2.38 JT	2.6 JT	4.37 JT
G088	LW2-G088	2.49	2.37	1.34	6.2 T	0.575 J	0.498 J	0.0651 U	7.27 JT	3.07 JT	2.87 JT	1.34 T
G089	LW2-G089	1.81	1.02 NJ	1.4	4.23 JT	0.618 NJ	0.447 J	0.341 J	5.64 JT	2.43 JT	1.47 JT	1.74 JT
G090	LW2-G090	1.81	3.03 J	1.08 J	5.92 JT	0.754 J	0.752 J	0.0666 U	7.43 JT	2.56 JT	3.78 JT	1.08 JT
G091	LW2-G091	4.85	3.25	2.27	10.4 T	1.15 J	0.449 J	0.683 J	12.7 JT	6 JT	3.7 JT	2.95 JT
G092	LW2-G092	1.55 J	1.84 NJ	8.64	12 JT	3.1 NJ	3.48 NJ	0.104 U	18.6 JT	4.65 JT	5.32 JT	8.64 T
G093	LW2-G093	23.3 J	18.2 J	7.14 J	48.6 JT	4.56 NJ	2.91 NJ	2.35	58.5 JT	27.9 JT	21.1 JT	9.49 JT
G094	LW2-G094	11.8 J	6.9 NJ	9.15 J	27.9 JT	3.43 J	5.01 J	1.09 J	37.4 JT	15.2 JT	11.9 JT	10.2 JT
G095	LW2-G095	1.77	1.32	0.11 NJ	3.2 JT	0.381 J	0.257 NJ	0.132 NJ	3.97 JT	2.15 JT	1.58 JT	0.242 JT
G096	LW2-G096	11.3 J	3.85 J	6.71 J	21.9 JT	2.02 J	0.429 J	1.29	25.6 JT	13.3 JT	4.28 JT	8 JT
G097	LW2-G097	2.91	3.1	0.751 J	6.76 JT	0.509 NJ	0.0514 U	0.281 J	7.55 JT	3.42 JT	3.1 T	1.03 JT
G098	LW2-G098	1.71 J	1.94 J	0.664 J	4.31 JT	0.351 NJ	0.0504 U	0.0666 U	4.67 JT	2.06 JT	1.94 JT	0.664 JT
G099	LW2-G099	4.72	3.39	19.9 J	28 JT	0.764 J	0.774 J	1.32 J	30.9 JT	5.48 JT	4.16 JT	21.2 JT
G100	LW2-G100	17.5 NJ	5.46 NJ	29.2 J	52.2 JT	3.37 NJ	1.88 NJ	1.22 NJ	58.6 JT	20.9 JT	7.34 JT	30.4 JT
G101	LW2-G101	4.3	3.31	0.482 J	8.09 JT	0.592 NJ	0.0553 U	0.774 NJ	9.46 JT	4.89 JT	3.31 T	1.26 JT
G102	LW2-G102	2.34 J	0.608 J	0.981 J	3.93 JT	0.904 NJ	0.624 NJ	0.832 NJ	6.29 JT	3.24 JT	1.23 JT	1.81 JT
G103	LW2-G103	3.93	5.31	5.25 J	14.5 JT	0.834 J	0.209 J	1.67 J	17.2 JT	4.76 JT	5.52 JT	6.92 JT
G104	LW2-G104	1.9 J	2.3 J	0.882	5.08 JT	0.559 NJ	0.462 NJ	0.295 J	6.4 JT	2.46 JT	2.76 JT	1.18 JT
G105	LW2-G105	7.02 NJ	3.66 NJ	0.973 J	11.7 JT	1.96 J	0.614 J	0.565 J	14.8 JT	8.98 JT	4.27 JT	1.54 JT
G106	LW2-G106	3.46	3.17 J	2.13 J	8.76 JT	0.634 J	0.284 J	0.94 J	10.6 JT	4.09 JT	3.45 JT	3.07 JT
G107	LW2-G107	29.6 NJ	3.56	18.1 J	51.3 JT	1.31 NJ	0.0447 U	5.12 J	57.7 JT	30.9 JT	3.56 T	23.2 JT
G108	LW2-G108	3.86 J	2.3 J	0.0884 UJ	6.16 JT	0.542 J	0.382 J	0.0717 U	7.08 JT	4.4 JT	2.68 JT	0.0884 UJT
G109	LW2-G109	2.03 J	1.76 J	0.949 J	4.74 JT	0.278 J	0.0473 UJ	0.46 J	5.48 JT	2.31 JT	1.76 JT	1.41 JT
G110	LW2-G110	3.11	2.6	1.54	7.25 T	0.442 NJ	0.0591 U	0.363 NJ	8.06 JT	3.55 JT	2.6 T	1.9 JT
G111	LW2-G111	2.07 J	2.17 J	3.64 J	7.88 JT	1.72 NJ	0.0471 U	1.62 J	11.2 JT	3.79 JT	2.17 JT	5.26 JT
G112	LW2-G112	2.13	2.44 J	1.52 J	6.09 JT	0.43 J	0.341 J	0.0675 U	6.86 JT	2.56 JT	2.78 JT	1.52 JT
G113	LW2-G113	4.43 J	3.39 J	65.4 J	73.2 JT	0.876 J	0.968 NJ	2.13 J	77.2 JT	5.31 JT	4.36 JT	67.5 JT
G116	LW2-G116	4.34 J	2.72	0.0952 UJ	7.06 JT	1.84 J	0.0584 U	0.0772 U	8.9 JT	6.18 JT	2.72 T	0.0952 UJT
G117	LW2-G117	3.09 NJ	1.94 NJ	1.23 J	6.26 JT	0.668 J	0.642 J	0.0623 U	7.57 JT	3.76 JT	2.58 JT	1.23 JT
G119	LW2-G119	0.307	0.142 J	0.395 NJ	0.844 JT	0.297 NJ	0.0393 U	0.158 NJ	1.3 JT	0.604 JT	0.142 JT	0.553 JT
G120	LW2-G120	4.22 J	2.33	4.66 J	11.2 JT	0.738 J	0.0623 U	0.0824 U	11.9 JT	4.96 JT	2.33 T	4.66 JT
G121	LW2-G121	20.8 NJ	3.61 NJ	0.604 J	25 JT	6.42 J	1.86 J	0.0724 U	33.3 JT	27.2 JT	5.47 JT	0.604 JT
G122	LW2-G122	4.3 NJ	2.91 NJ	0.164 J	7.37 JT	1.39 J	2.35 J	0.0747 U	11.1 JT	5.69 JT	5.26 JT	0.164 JT
G123	LW2-G123	0.0662 U	0.062 U	0.0765 UJ	0.0765 UJT	0.0442 U	0.0469 U	0.062 U	0.0765 UJT	0.0662 UT	0.062 UT	0.0765 UJT
G124	LW2-G124	2.41	0.486 J	0.379 NJ	3.28 JT	1.03 NJ	0.184 U	0.244 U	4.31 JT	3.44 JT	0.486 JT	0.379 JT
G125	LW2-G125	1.19 NJ	2.01 NJ	0.195 J	3.4 JT	0.292 J	0.517 J	0.0812 UJ	4.2 JT	1.48 JT	2.53 JT	0.195 JT
G126	LW2-G126	0.102 J	0.0475 U	0.0586 UJ	0.102 JT	0.0338 U	0.0359 U	0.0475 U	0.102 JT	0.102 JT	0.0475 UT	0.0586 UJT
G127	LW2-G127	5.47 J	2.47 J	12.2 J	20.1 JT	1.03 J	0.05 UJ	0.348 J	21.5 JT	6.5 JT	2.47 JT	12.5 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G128	LW2-G128	1.22 J	1	0.297 J	2.52 JT	0.216 J	0.0466 U	0.0616 U	2.73 JT	1.44 JT	1 T	0.297 JT
G129	LW2-G129	2.72 J	2.03 J	1.12 J	5.87 JT	1.14 NJ	0.298 UJ	0.426 J	7.44 JT	3.86 JT	2.03 JT	1.55 JT
G130	LW2-G130	13.9 J	1.81 J	48.3 J	64 JT	1.02 J	0.886 J	0.222 J	66.1 JT	14.9 JT	2.7 JT	48.5 JT
G131	LW2-G131	3.32 J	2.9 J	0.927 J	7.15 JT	2.07 J	0.751 J	0.456	10.4 JT	5.39 JT	3.65 JT	1.38 JT
G132	LW2-G132	6.5 J	3.52 J	6.74 J	16.8 JT	2.63 NJ	0.226 UJ	0.299 UJ	19.4 JT	9.13 JT	3.52 JT	6.74 JT
G133	LW2-G133	1.47 NJ	2.98 NJ	0.136 J	4.59 JT	0.362 J	0.0579 UJ	0.33 J	5.28 JT	1.83 JT	2.98 JT	0.466 JT
G134	LW2-G134	3.52 J	3.65 J	3.88 J	11.1 JT	1.2 J	0.696 J	0.364 J	13.3 JT	4.72 JT	4.35 JT	4.24 JT
G136	LW2-G136	3.3 NJ	2.51 NJ	0.239 J	6.05 JT	0.638 J	0.0657 UJ	0.0869 UJ	6.69 JT	3.94 JT	2.51 JT	0.239 JT
G137	LW2-G137	2.98 J	2.55 J	0.193 NJ	5.72 JT	1.17 J	0.648 NJ	0.288 J	7.83 JT	4.15 JT	3.2 JT	0.481 JT
G139	LW2-G139	2.83 NJ	3.94 NJ	0.167 J	6.94 JT	1.08 J	6.4 J	0.0641 UJ	14.4 JT	3.91 JT	10.3 JT	0.167 JT
G140-1	LW2-G140-1	45.2 JT	3.13 JT	2.02 JT	50.4 JT	0.964 JT	0.597 JT	0.836 JT	52.7 JT	46.2 JT	3.73 JT	2.86 JT
G140-2	LW2-G140-2	1.77 NJ	0.861 NJ	0.094 J	2.73 JT	0.802 J	0.0347 U	0.0458 U	3.53 JT	2.57 JT	0.861 JT	0.094 JT
G141	LW2-G141	1.64 J	1.44 J	0.558 J	3.64 JT	0.7 NJ	0.0485 U	1.21 J	5.55 JT	2.34 JT	1.44 JT	1.77 JT
G142	LW2-G142	3.7 NJ	2.25 NJ	0.699 J	6.65 JT	4.26 J	0.0421 U	0.487 J	11.4 JT	7.96 JT	2.25 JT	1.19 JT
G143	LW2-G143	3.4	3.83 J	1.08 NJ	8.31 JT	0.895 J	0.0482 U	0.509 J	9.71 JT	4.3 JT	3.83 JT	1.59 JT
G146	LW2-G146	1.82 J	0.363 J	0.616 J	2.8 JT	0.16 UJ	0.17 UJ	0.345 J	3.14 JT	1.82 JT	0.363 JT	0.961 JT
G147	LW2-G147	7.29 NJ	1.87 NJ	1.57 J	10.7 JT	1.78 J	0.0368 U	0.0486 U	12.5 JT	9.07 JT	1.87 JT	1.57 JT
G149	LW2-G149	3.03 J	3.31 J	6.51 J	12.9 JT	0.68 J	0.0439 U	0.228 J	13.8 JT	3.71 JT	3.31 JT	6.74 JT
G150	LW2-G150	4.86 J	3.57	0.629 J	9.06 JT	0.664 J	0.0577 U	0.514 J	10.2 JT	5.52 JT	3.57 T	1.14 JT
G153	LW2-G153	3.84 J	2.34	0.415 J	6.6 JT	0.558 J	0.0557 U	0.772 J	7.93 JT	4.4 JT	2.34 T	1.19 JT
G154	LW2-G154	1.31	1.95	0.44 J	3.7 JT	0.214 J	0.447 J	0.223	4.58 JT	1.52 JT	2.4 JT	0.663 JT
G155	LW2-G155	0.347 UJ	0.325 U	0.401 UJ	0.401 UJT	0.232 U	0.246 UJ	0.325 UJ	0.401 UJT	0.347 UJT	0.325 UT	0.401 UJT
G157	LW2-G157	0.265 U	0.248 U	0.306 UJ	0.306 UJT	0.326 J	0.188 U	0.248 U	0.326 JT	0.326 JT	0.248 UT	0.306 UJT
G159	LW2-G159	1.21 J	1.29 J	0.471 J	2.97 JT	0.826 NJ	0.0341 U	0.492 NJ	4.29 JT	2.04 JT	1.29 JT	0.963 JT
G160	LW2-G160	1.32 J	0.49 U	0.604 UJ	1.32 JT	1.02 J	0.371 U	0.49 U	2.34 JT	2.34 JT	0.49 UT	0.604 UJT
G161	LW2-G161	0.497 U	0.466 U	0.574 UJ	0.574 UJT	0.496 J	0.352 U	0.466 U	0.496 JT	0.496 JT	0.466 UT	0.574 UJT
G163	LW2-G163	0.122 J	0.045 U	0.0555 UJ	0.122 JT	0.032 U	0.034 U	0.045 U	0.122 JT	0.122 JT	0.045 UT	0.0555 UJT
G164	LW2-G164	0.52 NJ	0.655 NJ R		1.18 JT	0.131 J	0.0334 UJ	0.0441 UJ	1.31 JT	0.651 JT	0.655 JT	0.0441 UJT
G165	LW2-G165	2.14	2.47	0.351 J	4.96 JT	0.404 J	0.32 J	0.236 J	5.92 JT	2.54 JT	2.79 JT	0.587 JT
G166	LW2-G166	0.529 NJ	0.505	0.0634 UJ	1.03 JT	0.31 NJ	0.0389 U	0.0514 U	1.34 JT	0.839 JT	0.505 T	0.0634 UJT
G168	LW2-G168	2.05 J	2.64 J	0.348 UJ	4.69 JT	0.75 NJ	0.213 UJ	0.282 UJ	5.44 JT	2.8 JT	2.64 JT	0.348 UJT
G170	LW2-G170	0.866 J	1.7	0.882 J	3.45 JT	0.142 J	0.0411 U	0.216 J	3.81 JT	1.01 JT	1.7 T	1.1 JT
G172	LW2-G172	2.92 J	3.28	0.521 J	6.72 JT	0.825 J	3.25 J	1.31 J	12.1 JT	3.75 JT	6.53 JT	1.83 JT
G175	LW2-G175	1.76	2.6	0.217 J	4.58 JT	0.387 J	0.147	0.172	5.28 JT	2.15 JT	2.75 T	0.389 JT
G176	LW2-G176	0.472	0.625 J	0.077 J	1.17 JT	0.048 J	0.0338 U	0.0446 U	1.22 JT	0.52 JT	0.625 JT	0.077 JT
G178	LW2-G178	3.05 NJ	0.712 NJ	1.45 J	5.21 JT	1.23 J	1.25 J	0.787 J	8.48 JT	4.28 JT	1.96 JT	2.24 JT
G179	LW2-G179	76.5 J	6.36 J	11.6 J	94.5 JT	45.3 J	2.6 J	1.61 J	144 JT	122 JT	8.96 JT	13.2 JT
G180	LW2-G180	3.91 NJ	0.407 NJ	0.848 J	5.17 JT	0.95 J	0.0345 UJ	0.0456 UJ	6.12 JT	4.86 JT	0.407 JT	0.848 JT
G181	LW2-G181	1.41 J	2.28	0.387 J	4.08 JT	0.57 J	0.0566 U	0.274 J	4.92 JT	1.98 JT	2.28 T	0.661 JT
G182	LW2-G182	2.55 J	0.749 J	0.294 J	3.59 JT	0.437 J	0.457 J	0.0456 UJ	4.49 JT	2.99 JT	1.21 JT	0.294 JT
G183	LW2-G183	0.258 J	0.19 J	0.13	0.578 JT	0.0325 U	0.0346 U	0.148 J	0.726 JT	0.258 JT	0.19 JT	0.278 JT
G184	LW2-G184	4.48	0.841	0.637	5.96 T	0.348 J	0.0372 U	0.0491 U	6.31 JT	4.83 JT	0.841 T	0.637 T
G186	LW2-G186	0.907	0.213 J	0.219 J	1.34 JT	0.232 J	0.035 U	0.141	1.71 JT	1.14 JT	0.213 JT	0.36 JT
G187	LW2-G187	0.0563 U	0.0528 U	0.0651 U	0.0651 UT	0.0376 U	0.0399 U	0.0528 U	0.0651 UT	0.0563 UT	0.0528 UT	0.0651 UT
G188	LW2-G188	2.11 J	2.21	0.366 J	4.69 JT	0.428 J	0.714 J	0.241	6.07 JT	2.54 JT	2.92 JT	0.607 JT
G189	LW2-G189	6.36 J	3.84 J	115 J	125 JT	2.25 J	0.052 UJ	0.452 J	128 JT	8.61 JT	3.84 JT	115 JT
G190	LW2-G190	2.67	1.86	0.395 U	4.53 T	0.377 J	0.243 U	0.321 U	4.91 JT	3.05 JT	1.86 T	0.395 UT
G191	LW2-G191	3.67	1.32	1.68 J	6.67 JT	0.884 J	0.0336 U	0.188 J	7.74 JT	4.55 JT	1.32 T	1.87 JT
G192	LW2-G192	2.8 J	2.31	0.196 NJ	5.31 JT	0.772 NJ	0.725 NJ	0.523 J	7.33 JT	3.57 JT	3.04 JT	0.719 JT
G193	LW2-G193	5.53 J	1.22 J	0.32 UJ	6.75 JT	1.12 NJ	0.197 UJ	0.26 UJ	7.87 JT	6.65 JT	1.22 JT	0.32 UJT
G194	LW2-G194	2	1.05 J	1.22	4.27 JT	1.41 J	0.0353 U	0.389 J	6.07 JT	3.41 JT	1.05 JT	1.61 JT
G195	LW2-G195	6.02	2.43	2.87 J	11.3 JT	1.54 J	0.0519 U	0.479	13.3 JT	7.56 JT	2.43 T	3.35 JT
G197-1	LW2-G197-1	2.09	3.51 J	1.8 J	7.4 JT	1.68 J	0.0402 U	0.0532 U	9.08 JT	3.77 JT	3.51 JT	1.8 JT
G197-2	LW2-G197-2	5.54 J	2.79 J	5.95 J	14.3 JT	5.31 J	0.983 J	0.0592 U	20.6 JT	10.9 JT	3.77 JT	5.95 JT
G198	LW2-G198	3.05 J	2.22 NJ	0.697 NJ	5.97 JT	2.21 NJ	0.0449 U	0.0593 U	8.18 JT	5.26 JT	2.22 JT	0.697 JT
G199	LW2-G199	2.98 J	1.05 NJ	1.19 NJ	5.22 JT	1.09 NJ	0.227 U	0.559 J	6.87 JT	4.07 JT	1.05 JT	1.75 JT
G200	LW2-G200	6.62 J	2.52	4.53 J	13.7 JT	1.37 J	0.421 NJ	0.424 NJ	15.9 JT	7.99 JT	2.94 JT	4.95 JT
G202	LW2-G202	5.03 J	2.27 J	0.438 NJ	7.74 JT	1.24 NJ	0.248 U	0.328 U	8.98 JT	6.27 JT	2.27 JT	0.438 JT
G203-1	LW2-G203-1	1.72 NJT	2.01 NJT	0.518 NJT	4.25 JT	0.419 NJT	0.343 JT	0.0712 UJT	5.01 JT	2.14 JT	2.35 JT	0.518 JT
G203-2	LW2-G203-2	2.62 NJ	1.92 NJ	0.85 NJ	5.39 JT	0.376 NJ	0.0474 U	0.0627 U	5.77 JT	3 JT	1.92 JT	0.85 JT
G204	LW2-G204	2.04 J	0.797 J	0.129 NJ	2.97 JT	0.603 NJ	0.0427 U	0.311 J	3.88 JT	2.64 JT	0.797 JT	0.44 JT
G205	LW2-G205	2.52 NJ	1.66 NJ	1.16 NJ	5.34 JT	1.71 NJ	0.036 UJ	0.0476 UJ	7.05 JT	4.23 JT	1.66 JT	1.16 JT
G206	LW2-G206	133 J	2.91 J	91.9 J	228 JT	2.75 J	2.15 J	1.36 NJ	234 JT	136 JT	5.06 JT	93.3 JT
G207	LW2-G207	18.5 J	5.6 J	7.95 J	32.1 JT	3.56 NJ	0.249 U	5.34 J	41 JT	22.1 JT	5.6 JT	13.3 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G208	LW2-G208	7.05 J	0.957 J	0.628 J	8.64 JT	0.576 J	0.188 UJ	0.248 UJ	9.21 JT	7.63 JT	0.957 JT	0.628 JT
G209	LW2-G209	5.26 J	1.53 NJ	1.35 NJ	8.14 JT	2.15 NJ	0.203 U	0.53 J	10.8 JT	7.41 JT	1.53 JT	1.88 JT
G210	LW2-G210	3.57 J	0.685 U	0.844 UJ	3.57 JT	0.488 U	0.518 U	3.86 J	7.43 JT	3.57 JT	0.685 UT	3.86 JT
G212-1	LW2-G212-1	0.39 NJ	0.0567 U R		0.39 JT	0.0403 U	0.0429 U	0.271 NJ	0.661 JT	0.39 JT	0.0567 UT	0.271 JT
G212-2	LW2-G212-2	1.44 NJ	0.709 NJ	0.403 J	2.55 JT	0.385 NJ	0.0424 U	0.0561 UJ	2.94 JT	1.83 JT	0.709 JT	0.403 JT
G213	LW2-G213	1.48 J	0.455 J	1.84 J	3.78 JT	0.23 U	0.244 U	1.91 NJ	5.69 JT	1.48 JT	0.455 JT	3.75 JT
G214-1	LW2-G214-1	3.24 J	2.21 J	0.551 J	6 JT	0.871 NJ	0.0527 U	0.0697 U	6.87 JT	4.11 JT	2.21 JT	0.551 JT
G215	LW2-G215	11.4	2.84 J	39.5 J	53.7 JT	1.83 J	2.32 J	0.691 J	58.6 JT	13.2 JT	5.16 JT	40.2 JT
G216	LW2-G216	1.52	1.46	0.749 J	3.73 JT	0.167 J	0.0332 U	0.0439 U	3.9 JT	1.69 JT	1.46 T	0.749 JT
G217	LW2-G217	1.31	0.394 J	0.166 J	1.87 JT	0.798 NJ	0.0333 U	0.044 U	2.67 JT	2.11 JT	0.394 JT	0.166 JT
G218	LW2-G218	1.34	0.746	1.98	4.07 T	0.941 J	0.0358 U	0.0473 U	5.01 JT	2.28 JT	0.746 T	1.98 T
G220	LW2-G220	7.83 NJ	1.88 NJ	2.14 NJ	11.9 JT	3.59 NJ	0.0431 UJ	0.586 NJ	16 JT	11.4 JT	1.88 JT	2.73 JT
G221	LW2-G221	5.29 NJ	0.782 NJ	2.66 J	8.73 JT	0.869 NJ	0.0381 UJ	1.35 NJ	11 JT	6.16 JT	0.782 JT	4.01 JT
G222	LW2-G222	7.5	1.9	2.47 J	11.9 JT	1.05 J	0.219 U	0.29 U	12.9 JT	8.55 JT	1.9 T	2.47 JT
G224	LW2-G224	3.98 J	0.634 J	1.52 J	6.13 JT	0.208 UJ	0.221 UJ	0.292 UJ	6.13 JT	3.98 JT	0.634 JT	1.52 JT
G225	LW2-G225	75.5 J	2.35 J	24.8 J	103 JT	7.38 J	20.2 J	18.1 J	148 JT	82.9 JT	22.6 JT	42.9 JT
G226	LW2-G226	2.47	3.85	1.57 J	7.89 JT	0.768 J	0.051 U	6.01	14.7 JT	3.24 JT	3.85 T	7.58 JT
G227	LW2-G227	0.656 J	0.458	0.39	1.5 JT	0.431 J	0.035 U	0.4 J	2.34 JT	1.09 JT	0.458 T	0.79 JT
G228	LW2-G228	6.13 J	4.62	2.83 J	13.6 JT	4.05 J	2.28 J	0.576 J	20.5 JT	10.2 JT	6.9 JT	3.41 JT
G229	LW2-G229	7.3 J	1.94 J	7.1 J	16.3 JT	0.628 J	0.244 UJ	0.322 UJ	17 JT	7.93 JT	1.94 JT	7.1 JT
G230	LW2-G230	13.4	5.54	26.6 J	45.5 JT	1.66 J	2.84 J	0.707 J	50.7 JT	15.1 JT	8.38 JT	27.3 JT
G231	LW2-G231	3.78 J	1.94 J	1.09 J	6.81 JT	1.84 NJ	0.195 U	0.317 NJ	8.97 JT	5.62 JT	1.94 JT	1.41 JT
G232	LW2-G232	8.65 J	3.12 J	4.35 NJ	16.1 JT	4.26 J	0.24 U	0.317 U	20.4 JT	12.9 JT	3.12 JT	4.35 JT
G233	LW2-G233	11.5	2.69 J	0.487 NJ	14.7 JT	3.28 NJ	0.213 U	0.282 U	18 JT	14.8 JT	2.69 JT	0.487 JT
G234	LW2-G234	7.11 NJ	0.519 J	3.21 NJ	10.8 JT	1.09 NJ	0.164 U	0.615 NJ	12.5 JT	8.2 JT	0.519 JT	3.83 JT
G235	LW2-G235	0.422 NJ	0.773 NJ	0.109 J	1.3 JT	0.056 J	0.0305 UJ	0.0403 UJ	1.36 JT	0.478 JT	0.773 JT	0.109 JT
G236	LW2-G236	6.57	2.33	1.31 J	10.2 JT	2.07 J	2.66 J	0.0571 U	14.9 JT	8.64 JT	4.99 JT	1.31 JT
G237	LW2-G237	17 J	2.69 J	6.96 J	26.7 JT	3.84 J	0.289 U	8.53 J	39 JT	20.8 JT	2.69 JT	15.5 JT
G238	LW2-G238	2.13 J	6.83	0.642 J	9.6 JT	2.36 J	1.53	0.37 J	13.9 JT	4.49 JT	8.36 T	1.01 JT
G239	LW2-G239	3.47	2.88	7.32 J	13.7 JT	1.34 J	0.0478 U	0.476	15.5 JT	4.81 JT	2.88 T	7.8 JT
G240	LW2-G240	21.5	3.45 J	38.8 J	63.8 JT	2.06 J	0.051 U	2.05 J	67.9 JT	23.6 JT	3.45 JT	40.9 JT
G241	LW2-G241	6.82 J	3.3	7.08 J	17.2 JT	2.01	1.25 J	5.87 J	26.3 JT	8.83 JT	4.55 JT	13 JT
G242	LW2-G242	52.9	8.32	212 J	273 JT	4.14 J	1.54 J	63.6 J	343 JT	57 JT	9.86 JT	276 JT
G243	LW2-G243	1.42	1.63	1.12 J	4.17 JT	0.403 J	0.518 J	0.0657 U	5.09 JT	1.82 JT	2.15 JT	1.12 JT
G244	LW2-G244	3.91 J	1.43 NJ	1.6 NJ	6.94 JT	0.91 NJ	0.209 U	0.276 U	7.85 JT	4.82 JT	1.43 JT	1.6 JT
G245	LW2-G245	16.2 J	3.77 J	10.6	30.6 JT	1.93 J	0.0515 U	0.557 J	33.1 JT	18.1 JT	3.77 JT	11.2 JT
G246	LW2-G246	7.9 NJ	2.7 NJ	0.565 J	11.2 JT	0.966 J	0.0588 UJ	0.835 J	13 JT	8.87 JT	2.7 JT	1.4 JT
G247	LW2-G247	6.74 J	2.88 J	1.29 J	10.9 JT	1.95 NJ	0.213 U	0.655 NJ	13.5 JT	8.69 JT	2.88 JT	1.95 JT
G248	LW2-G248	0.481	0.414	0.222	1.12 T	0.262 J	0.0335 U	0.0443 U	1.38 JT	0.743 JT	0.414 T	0.222 T
G249	LW2-G249	1.83	2.06	0.602 NJ	4.49 JT	3.55 NJ	0.19 U	0.515 NJ	8.56 JT	5.38 JT	2.06 T	1.12 JT
G250-1	LW2-G250	4.09 NJ	2.31 NJ	0.732 NJ	7.13 JT	0.74 NJ	1.03 NJ	0.288 J	9.19 JT	4.83 JT	3.34 JT	1.02 JT
G251-1	LW2-G251-1	31.6 J	4.06 J	230	266 JT	1.7 J	2.44 J	1.16 J	271 JT	33.3 JT	6.5 JT	231 JT
G251-2	LW2-G251-2	20.5 J	5.33	17.2	43 JT	2.09 J	0.0559 U	1.37 J	46.5 JT	22.6 JT	5.33 T	18.6 JT
G252	LW2-G252	2.24 NJ	0.779 NJ	0.275 J	3.29 JT	0.229 J	0.0372 U	0.588 J	4.11 JT	2.47 JT	0.779 JT	0.863 JT
G253	LW2-G253	4.69	0.586 J	0.276 U	5.28 JT	0.975 J	0.169 U	1.77 NJ	8.02 JT	5.67 JT	0.586 JT	1.77 JT
G254	LW2-G254	9.39 NJ	0.809 NJ	1.76 J	12 JT	1.38 NJ	0.414 U	0.548 U	13.3 JT	10.8 JT	0.809 JT	1.76 JT
G255	LW2-G255	1.38 NJ	3.92 J	12.6 NJ	17.9 JT	0.201 UJ	0.213 U	0.282 U	17.9 JT	1.38 JT	3.92 JT	12.6 JT
G257	LW2-G257	0.837	0.513	2.35 NJ	3.7 JT	1.07 NJ	0.0389 U	0.452	5.22 JT	1.91 JT	0.513 T	2.8 JT
G258	LW2-G258	2.07	0.0443 U	2.23 J	4.3 JT	0.0316 U	0.0335 U	0.0443 U	4.3 JT	2.07 T	0.0443 UT	2.23 JT
G259	LW2-G259	73.4 J	4.8 NJ	1.87 J	80.1 JT	6.97 J	2.74 J	0.0679 UJ	89.8 JT	80.4 JT	7.54 JT	1.87 JT
G260	LW2-G260	0.797 NJ	0.906 J	2.98 NJ	4.68 JT	1.52 NJ	0.865 NJ	0.658 NJ	7.73 JT	2.32 JT	1.77 JT	3.64 JT
G261	LW2-G261	0.0467 U	0.0438 U	0.054 U	0.054 UT	0.0312 U	0.0331 U	0.0438 U	0.054 UT	0.0467 UT	0.0438 UT	0.054 UT
G263	LW2-G263	8.57 J	2.63 J	17.5 NJ	28.7 JT	5.34 NJ	0.215 U	0.284 U	34 JT	13.9 JT	2.63 JT	17.5 JT
G264	LW2-G264	51 J	11.6 NJ	19.9 NJ	82.5 JT	20.8 NJ	0.315 UJ	0.416 UJ	103 JT	71.8 JT	11.6 JT	19.9 JT
G266	LW2-G266	0.701	0.685	1.85 NJ	3.24 JT	0.739 J	0.0442 U	0.469 J	4.44 JT	1.44 JT	0.685 T	2.32 JT
G267	LW2-G267	2.13 J	2.89 J	0.886 NJ	5.91 JT	0.917 J	0.0537 U	0.202 J	7.03 JT	3.05 JT	2.89 JT	1.09 JT
G268	LW2-G268	5.36	2.69	2.72 J	10.8 JT	4.51 NJ	0.0536 U	1.27 J	16.6 JT	9.87 JT	2.69 T	3.99 JT
G269	LW2-G269	66.2 J	12.9 J	42.8 J	122 JT	14.8 J	0.296 UJ	0.391 UJ	137 JT	81 JT	12.9 JT	42.8 JT
G270-1	LW2-G270-1	11.9 J	2.4 NJ	7.26 J	21.6 JT	7.41 J	6.9 NJ	3.04	38.9 JT	19.3 JT	9.3 JT	10.3 JT
G270-2	LW2-G270-2	77.5 J	17 NJ	34.6 NJ	129 JT	34.6 NJ	21.5 NJ	8.07 J	193 JT	112 JT	38.5 JT	42.7 JT
G271	LW2-G271	0.338 J	0.161 J	0.0525 U	0.499 JT	0.0303 U	0.0322 U	0.0426 U	0.499 JT	0.338 JT	0.161 JT	0.0525 UT
G272	LW2-G272	1.54	0.829	0.36 J	2.73 JT	0.411 J	0.0411 U	0.0543 U	3.14 JT	1.95 JT	0.829 T	0.36 JT
G273	LW2-G273	21	6.6 J	21 J	48.6 JT	4.57 NJ	0.237 UJ	2.45 NJ	55.6 JT	25.6 JT	6.6 JT	23.5 JT
G274	LW2-G274	22.1 NJ	9.76 NJ	17.9 J	49.8 JT	17.3 NJ	0.365 U	5.83 J	72.9 JT	39.4 JT	9.76 JT	23.7 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G276	LW2-G276	29.5 J	6.51 J	35.9 J	71.9 JT	10.3 J	0.332 U	4.76 J	87 JT	39.8 JT	6.51 JT	40.7 JT
G277	LW2-G277	1.4	1.9	0.366 J	3.67 JT	0.189 NJ	0.747 NJ	0.304 J	4.91 JT	1.59 JT	2.65 JT	0.67 JT
G278	LW2-G278	83.3 J	13.4 J	25.2 NJ	122 JT	30.2 J	0.333 U	7.29 NJ	159 JT	114 JT	13.4 JT	32.5 JT
G280	LW2-G280	2.03	2.31	0.829 NJ	5.17 JT	0.3 NJ	0.0599 U	0.221 J	5.69 JT	2.33 JT	2.31 T	1.05 JT
G282	LW2-G282	11.4 NJ	3.98 NJ	6.11 J	21.5 JT	8.34 J	1.01 NJ	1.95 NJ	32.8 JT	19.7 JT	4.99 JT	8.06 JT
G283	LW2-G283	330 J	31.9 J	60.3 NJ	422 JT	114 J	24.5 NJ	0.345 UJ	561 JT	444 JT	56.4 JT	60.3 JT
G284	LW2-G284	35.7 J	8.25 J	14.8 NJ	58.8 JT	14.1 J	0.334 U	3.51 NJ	76.4 JT	49.8 JT	8.25 JT	18.3 JT
G285	LW2-G285	1.28 J	0.304	5.09	6.67 JT	0.098	0.713 J	0.0446 U	7.49 JT	1.38 JT	1.02 JT	5.09 T
G288	LW2-G288	430 J	47.7 NJ	22.4 J	500 JT	206 J	48.4 NJ	0.336 U	755 JT	636 JT	96.1 JT	22.4 JT
G292	LW2-G292	54.3	11.8	29.5 J	95.6 JT	10.3 NJ	0.513 U	10.3 NJ	116 JT	64.6 JT	11.8 T	39.8 JT
G293	LW2-G293	2.2	2.03	1.39 J	5.62 JT	1.13 J	0.054 U	0.234	6.98 JT	3.33 JT	2.03 T	1.62 JT
G294-1	LW2-G294-1	618 J	37.9 J	4.01 NJ	660 JT	220 J	32.4 NJ	5.58 NJ	918 JT	838 JT	70.3 JT	9.59 JT
G294-2	LW2-G294-2	151 JT	20.6 JT	18.1 NJT	190 JT	44.3 JT	9.61 JT	18.4 NJT	262 JT	195 JT	30.2 JT	36.5 JT
G295	LW2-G295	1.52	2.15	0.298 J	3.97 JT	0.243 NJ	0.0562 U	0.189 J	4.4 JT	1.76 JT	2.15 T	0.487 JT
G296	LW2-G296	2.91 NJ	4.52 NJ	2.93 J	10.4 JT	0.897 NJ	0.0536 U	0.478 J	11.7 JT	3.81 JT	4.52 JT	3.41 JT
G298	LW2-G298	1600 J	32.9 J	60.4 J	1690 JT	616 NJ	0.498 U	0.659 U	2310 JT	2220 JT	32.9 JT	60.4 JT
G301	LW2-G301	38.7	14.1 J	37.6 J	90.4 JT	31.3 NJ	0.494 U	4.02 J	126 JT	70 JT	14.1 JT	41.6 JT
G302	LW2-G302	134 J	27.9	23.9 J	186 JT	28.7 J	55.3 NJ	0.767 U	270 JT	163 JT	83.2 JT	23.9 JT
G303	LW2-G303	3.35 NJ	1.23 NJ	0.545 NJ	5.13 JT	0.639 NJ	0.0481 U	0.333 J	6.1 JT	3.99 JT	1.23 JT	0.878 JT
G305	LW2-G305	18.5	6.83	4.89	30.2 T	7.21 J	2.1 J	3.18 J	42.7 JT	25.7 JT	8.93 JT	8.07 JT
G306	LW2-G306	0.749	0.773	0.267 J	1.79 JT	0.411 NJ	0.0379 U	0.0502 U	2.2 JT	1.16 JT	0.773 T	0.267 JT
G307	LW2-G307	2.53	5.17	0.632 J	8.33 JT	1.58 NJ	0.241 NJ	0.0656 U	10.2 JT	4.11 JT	5.41 JT	0.632 JT
G308	LW2-G308	14.1 J	5.55 J	1.47 J	21.1 JT	2.13 NJ	2.87 NJ	0.293 U	26.1 JT	16.2 JT	8.42 JT	1.47 JT
G309	LW2-G309	29.9 J	6.67 J	152 J	189 JT	2.13 NJ	0.958 J	1.65 J	193 JT	32 JT	7.63 JT	154 JT
G310	LW2-G310	2.96	4.74	0.422 J	8.12 JT	1.13 NJ	0.229 NJ	0.0771 U	9.48 JT	4.09 JT	4.97 JT	0.422 JT
G311-1	LW2-G311-1	1040 JT	64.8 JT	262 JT	1370 JT	320 JT	29.5 JT	8.61 JT	1720 JT	1360 JT	94.3 JT	271 JT
G311-2	LW2-G311-2	52.7 J	2.67 NJ	18 J	73.4 JT	14.7 J	1.05 J	5.8 NJ	94.9 JT	67.4 JT	3.72 JT	23.8 JT
G313	LW2-G313	3.15	4.73	0.565 J	8.45 JT	1.17 NJ	0.181 NJ	0.0677 U	9.8 JT	4.32 JT	4.91 JT	0.565 JT
G314	LW2-G314	11.5	7.56	4.49 J	23.6 JT	5.91 J	1.21 NJ	0.975	31.6 JT	17.4 JT	8.77 JT	5.47 JT
G315	LW2-G315	74 J	14.4 J	38.1 J	127 JT	27.4 NJ	0.897 J	2.16 J	157 JT	101 JT	15.3 JT	40.3 JT
G316	LW2-G316	2.37 J	1.29 J	0.998 J	4.66 JT	0.168 U	0.178 U	0.463 J	5.12 JT	2.37 JT	1.29 JT	1.46 JT
G317	LW2-G317	1.23	0.965	0.322 J	2.52 JT	0.526 J	0.0408 U	0.276 NJ	3.32 JT	1.76 JT	0.965 T	0.598 JT
G318	LW2-G318	23.5 J	6.99	14.7 J	45.2 JT	8.76 J	2.31 NJ	2.3 J	58.6 JT	32.3 JT	9.3 JT	17 JT
G319	LW2-G319	0.182	0.293 J	0.15 J	0.625 JT	0.246 J	0.0355 U	0.0469 U	0.871 JT	0.428 JT	0.293 JT	0.15 JT
G320	LW2-G320	35.2 J	4.87	17.5 J	57.6 JT	6.29 J	0.182 U	1.5 NJ	65.4 JT	41.5 JT	4.87 T	19 JT
G321	LW2-G321	3.79 J	1.16 J	2.96 J	7.91 JT	0.454 J	0.0376 U	0.434 J	8.8 JT	4.24 JT	1.16 JT	3.39 JT
G322	LW2-G322	20.8	7.83 J	5.62 J	34.3 JT	2.72 NJ	3.36 NJ	2.16 NJ	42.5 JT	23.5 JT	11.2 JT	7.78 JT
G323	LW2-G323	7.22 J	4.58 J	39 J	50.8 JT	2.19 NJ	0.173 U	12.6 J	65.6 JT	9.41 JT	4.58 JT	51.6 JT
G324-1	LW2-G324-1	7.7 NJ	7.32 NJ	18.1 J	33.1 JT	1.47 NJ	1.77 J	11.5 NJ	47.9 JT	9.17 JT	9.09 JT	29.6 JT
G324-2	LW2-G324-2	14.4 NJ	12.7 NJ	9.34 J	36.4 JT	3.13 NJ	0.0342 U	5.17 J	44.7 JT	17.5 JT	12.7 JT	14.5 JT
G325	LW2-G325	4.68	2.25	1.13 NJ	8.06 JT	2.54 NJ	0.0403 U	0.3 J	10.9 JT	7.22 JT	2.25 T	1.43 JT
G326	LW2-G326	4.11	2.28	0.213 NJ	6.6 JT	1.33 J	0.373	0.053 U	8.31 JT	5.44 JT	2.65 T	0.213 JT
G327	LW2-G327	11.9 J	5.68	1.63 J	19.2 JT	11.3 NJ	0.194 U	0.493 J	31 JT	23.2 JT	5.68 T	2.12 JT
G328	LW2-G328	0.278	0.304	0.208 J	0.79 JT	0.532 NJ	0.0375 U	0.153 NJ	1.48 JT	0.81 JT	0.304 T	0.361 JT
G329	LW2-G329	5.31 J	1.82 J	3.22 J	10.4 JT	3.02 J	1.6 J	0.0431 U	15 JT	8.33 JT	3.42 JT	3.22 JT
G330	LW2-G330	33.6 J	11.6 NJ	12.6 J	57.8 JT	16 NJ	0.296 U	19.8 J	93.6 JT	49.6 JT	11.6 JT	32.4 JT
G331	LW2-G331	38.6 J	37.9	19.9 J	96.4 JT	22.7 J	8.11 J	20.2 J	147 JT	61.3 JT	46 JT	40.1 JT
G332	LW2-G332	27.7 J	12.8 J	11 J	51.5 JT	7.55 J	6.14 J	0.0741 UJ	65.2 JT	35.3 JT	18.9 JT	11 JT
G333	LW2-G333	339 J	33.2	41.5 J	414 JT	127 J	9.54	30.1 J	580 JT	466 JT	42.7 T	71.6 JT
G334	LW2-G334	148 NJ	201 NJ	143 J	492 JT	152 NJ	0.0514 UJ	92.5 NJ	737 JT	300 JT	201 JT	236 JT
G335	LW2-G335	250 J	54.2	97.2 J	401 JT	74.6 J	7.55	20.4 J	504 JT	325 JT	61.8 T	118 JT
G336	LW2-G336	60.1 J	19.9	241 J	321 JT	15.6 J	1.9	5.84 J	344 JT	75.7 JT	21.8 T	247 JT
G337	LW2-G337	2.04 J	1.75 J	1.41 J	5.2 JT	0.662 J	0.0572 U	0.0756 U	5.86 JT	2.7 JT	1.75 JT	1.41 JT
G338	LW2-G338	12.8 J	4.25 J	25.1	42.2 JT	2.85 J	0.0566 U	0.748 J	45.7 JT	15.7 JT	4.25 JT	25.8 JT
G339	LW2-G339	91.1 NJ	20.1 NJ	62.3 J	174 JT	24.9 NJ	3.05 J	20.8 J	222 JT	116 JT	23.2 JT	83.1 JT
G340	LW2-G340	1.05 J	1.59 J	0.0716 U	2.64 JT	0.574 J	0.0439 U	0.058 U	3.21 JT	1.62 JT	1.59 JT	0.0716 UT
G341	LW2-G341	5.6 J	2.61 J	2.33	10.5 JT	1.79 J	0.0566 U	0.0748 U	12.3 JT	7.39 JT	2.61 JT	2.33 T
G342	LW2-G342	0.709	1.46	0.0863 UJ	2.17 T	0.226 NJ	0.0529 U	0.158 NJ	2.55 JT	0.935 JT	1.46 T	0.158 JT
G343	LW2-G343	0.788	1.51 J	0.794 J	3.09 JT	0.522 J	0.0538 U	0.0711 U	3.61 JT	1.31 JT	1.51 JT	0.794 JT
G344	LW2-G344	7.11 J	3.38 J	8.49	19 JT	2.61 J	0.0587 U	0.564 J	22.2 JT	9.72 JT	3.38 JT	9.05 JT
G345-1	LW2-G345-1	153 NJT	23 NJT	525 JT	701 JT	11.8 NJT	3.48 JT	46.8 JT	763 JT	165 JT	26.5 JT	572 JT
G345-2	LW2-G345-2	120 NJ	17.9 NJ	360 J	498 JT	9.25 NJ	2.72	20.6 J	530 JT	129 JT	20.6 JT	381 JT
G346	LW2-G346	1.21	2.17	1.13 NJ	4.51 JT	0.432 NJ	0.0593 U	0.333 J	5.28 JT	1.64 JT	2.17 T	1.46 JT
G347	LW2-G347	1.62	1.97	0.515 NJ	4.11 JT	0.435 NJ	0.0596 U	0.413 J	4.95 JT	2.06 JT	1.97 T	0.928 JT

BZTO104(e)028631

Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G348	LW2-G348	227 J	130	530 J	887 JT	129 J	17.7	38.4 J	1070 JT	356 JT	148 T	568 JT
G349	LW2-G349	7.47 J	8.04 J	2.01 J	17.5 JT	6.49 J	1.6 J	0.0715 U	25.6 JT	14 JT	9.64 JT	2.01 JT
G350	LW2-G350	277	46.7	750 J	1070 JT	53.9 J	16.8 NJ	109 J	1250 JT	331 JT	63.5 JT	859 JT
G351	LW2-G351	183 NJ	24.1 NJ	139 J	346 JT	71.6 J	5.72 J	36.7 J	460 JT	255 JT	29.8 JT	176 JT
G351-2	LW2-G351-2	425 NJT	46.4 NJT	587 JT	1060 JT	37.4 JT	9.22 JT	209 NJT	1310 JT	462 JT	55.6 JT	796 JT
G352	LW2-G352	0.928	1.6	0.0823 UJ	2.53 T	0.217 NJ	0.173 J	0.314 J	3.23 JT	1.15 JT	1.77 JT	0.314 JT
G353-1	LW2-G353-1	699 J	156 J	3170 J	4030 JT	161 NJ	18.9 J	359 J	4560 JT	860 JT	175 JT	3530 JT
G353-2	LW2-G353-2	884 J	231 J	4490 J	5610 JT	217 NJ	22.9 J	476 J	6320 JT	1100 JT	254 JT	4970 JT
G354	LW2-G354	0.929 J	2.2	0.0987 U	3.13 JT	0.646 J	0.0606 U	0.0801 U	3.78 JT	1.58 JT	2.2 T	0.0987 UT
G355	LW2-G355	2060 NJ	703 NJ	6470 J	9230 JT	404 J	203 J	1640 J	11500 JT	2460 JT	906 JT	8110 JT
G356	LW2-G356	48.4 J	21.7 J	160 J	230 JT	17 NJ	1.74 J	22.5 J	271 JT	65.4 JT	23.4 JT	183 JT
G357	LW2-G357	0.685 J	1.14 J	0.613 J	2.44 JT	0.455 J	0.181 J	0.0576 U	3.07 JT	1.14 JT	1.32 JT	0.613 JT
G358	LW2-G358	6	3.17	8.14 J	17.3 JT	2.71 NJ	0.355 NJ	1.83	22.2 JT	8.71 JT	3.53 JT	9.97 JT
G359	LW2-G359	17.9 J	5.69 J	2.77 J	26.4 JT	7.82 J	2.5 J	1.11 J	37.8 JT	25.7 JT	8.19 JT	3.88 JT
G360	LW2-G360	2780 NJ	550 NJ	12000 NJ	15300 JT	264 J	40.5 J	536 J	16200 JT	3040 JT	591 JT	12500 JT
G361	LW2-G361	2.9	3.62	15.1	21.6 T	1.05 NJ	0.511 NJ	0.362	23.5 JT	3.95 JT	4.13 JT	15.5 T
G362-1	LW2-G362-1	14.2 JT	8.89 JT	49.9 JT	73 JT	5.16 JT	0.821 JT	3.32 JT	82.3 JT	19.4 JT	9.71 JT	53.2 JT
G362-2	LW2-G362-2	15.8 NJ	8.83 NJ	58.4 NJ	83 JT	4.52 J	1.32 NJ	4.1 J	93 JT	20.3 JT	10.2 JT	62.5 JT
G363	LW2-G363	1.18	1.8	0.132 UJ	2.98 T	0.277 NJ	0.43 NJ	0.13 J	3.82 JT	1.46 JT	2.23 JT	0.13 JT
G364	LW2-G364	3.9	5.09	0.655 J	9.65 JT	1.07 NJ	0.964	0.152 J	11.8 JT	4.97 JT	6.05 T	0.807 JT
G365	LW2-G365	2.41 J	3.78 J	0.074 U	6.19 JT	3.06 J	0.0454 U	0.06 U	9.25 JT	5.47 JT	3.78 JT	0.074 UT
G366	LW2-G366	654 NJ	1140 NJ	2080 NJ	3870 JT	209 J	37.4 J	1290 NJ	5410 JT	863 JT	1180 JT	3370 JT
G367	LW2-G367	4.77 NJ	2.18 NJ	3.22 NJ	10.2 JT	6.81 J	2.77 J	1.52 NJ	21.3 JT	11.6 JT	4.95 JT	4.74 JT
G368	LW2-G368	12.2	4.56	15.7 NJ	32.5 JT	2.73 J	0.305 U	0.869 J	36.1 JT	14.9 JT	4.56 T	16.6 JT
G369	LW2-G369	4.32 J	3.13 J	1.2 NJ	8.65 JT	0.468 NJ	0.862 NJ	0.319 NJ	10.3 JT	4.79 JT	3.99 JT	1.52 JT
G370	LW2-G370	6.45 J	4.28 J	0.487 UJ	10.7 JT	1.16 NJ	0.299 U	0.395 U	11.9 JT	7.61 JT	4.28 JT	0.487 UJT
G371	LW2-G371	76.1 NJ	37.8 NJ	92.5 NJ	206 JT	31.7 J	3.93 J	18.8 J	261 JT	108 JT	41.7 JT	111 JT
G372-1	LW2-G372-1	1.44 JT	2.14 JT	0.789 JT	4.37 JT	0.452 JT	0.393 T	0.362 JT	5.58 JT	1.89 JT	2.53 JT	1.15 JT
G372-2	LW2-G372-2	0.796	1.6	0.641 J	3.04 JT	0.992 J	0.212 U	0.212 U	4.03 JT	1.79 JT	1.6 T	0.641 JT
G374	LW2-G374	2.3 J	2.45 J	1.3 J	6.05 JT	0.62 NJ	0.0652 U	0.0862 U	6.67 JT	2.92 JT	2.45 JT	1.3 JT
G376	LW2-G376	3.69 NJ	3.08 NJ	3.09 NJ	9.86 JT	1.43 NJ	0.835 NJ	0.42 NJ	12.5 JT	5.12 JT	3.92 JT	3.51 JT
G377	LW2-G377	4.61 NJ	1.22 NJ	0.819 J	6.65 JT	1.62 J	0.169 U	0.223 UJ	8.27 JT	6.23 JT	1.22 JT	0.819 JT
G378	LW2-G378	1.05 J	1.93 J	0.0901 UJ	2.98 JT	0.745 NJ	0.0553 U	0.287 NJ	4.01 JT	1.8 JT	1.93 JT	0.287 JT
G379	LW2-G379	2.66 NJ	1.83 J	2.86 NJ	7.35 JT	0.761 NJ	1.17 J	0.518 U	9.28 JT	3.42 JT	3 JT	2.86 JT
G380	LW2-G380	0.79 J	0.756 NJ	1.71 NJ	3.26 JT	1.04 NJ	1.66 J	0.612 J	6.57 JT	1.83 JT	2.42 JT	2.32 JT
G381	LW2-G381	3.41 J	4.74 J	1.18 J	9.33 JT	3.25 NJ	0.86 NJ	0.274 J	13.7 JT	6.66 JT	5.6 JT	1.45 JT
G382	LW2-G382	3.96 J	1.47 NJ	1.91 J	7.34 JT	2.05 NJ	0.068 U	0.398 J	9.79 JT	6.01 JT	1.47 JT	2.31 JT
G383	LW2-G383	0.721 J	0.442 U	3.06 NJ	3.78 JT	0.538 NJ	0.334 U	0.442 U	4.32 JT	1.26 JT	0.442 UT	3.06 JT
G384-1	LW2-G384-1	1.45 T	2.71 T	0.122 UT	4.16 T	1.01 JT	0.0749 UT	0.099 UT	5.17 JT	2.46 JT	2.71 T	0.122 UT
G384-2	LW2-G384-2	1.39	2.34	0.135 U	3.73 T	0.397 NJ	0.956 NJ	0.11 U	5.08 JT	1.79 JT	3.3 JT	0.135 UT
G385	LW2-G385	2.42 NJ	0.879 NJ R		3.3 JT	3.01 NJ	0.073 U	0.0965 UJ	6.31 JT	5.43 JT	0.879 JT	0.0965 UJT
G386	LW2-G386	0.647 NJ	1.26 NJ R		1.91 JT	0.132 NJ	0.0462 U	0.099 J	2.14 JT	0.779 JT	1.26 JT	0.099 JT
G387	LW2-G387	0.806	1.68	1.38 J	3.87 JT	0.257 NJ	0.076 U	0.101 U	4.12 JT	1.06 JT	1.68 T	1.38 JT
G389	LW2-G389	0.233 NJ	0.228 NJ	0.501 J	0.962 JT	0.0386 UJ	0.286 J	0.0542 UJ	1.25 JT	0.233 JT	0.514 JT	0.501 JT
G390	LW2-G390	9.01 J	8.3 NJ	20.4 J	37.7 JT	20.1 J	0.357 UJ	4.16 J	62 JT	29.1 JT	8.3 JT	24.6 JT
G391	LW2-G391	1.59 J	2.11 J	0.102 U	3.7 JT	0.991 J	0.645 NJ	0.112 J	5.45 JT	2.58 JT	2.76 JT	0.112 JT
G392	LW2-G392	3.04	2.08	0.197 NJ	5.32 JT	0.73 NJ	0.0518 U	0.173 J	6.22 JT	3.77 JT	2.08 T	0.37 JT
G393	LW2-G393	8.49 U	7.96 U	15.3 J	15.3 JT	13.4 NJ	6.02 U	7.96 UJ	28.7 JT	13.4 JT	7.96 UT	15.3 JT
G394	LW2-G394	287 J	58.4 J	5.12 J	351 JT	98.2 NJ	9.97 J	0.303 UJ	459 JT	385 JT	68.4 JT	5.12 JT
G395	LW2-G395	0.533 J	0.826 J	0.357 J	1.72 JT	0.418 NJ	0.0472 UJ	0.133 J	2.27 JT	0.951 JT	0.826 JT	0.49 JT
G396	LW2-G396	0.0599 U	0.0562 U	0.0692 UJ	0.0692 UJT	0.04 U	0.0425 U	0.0562 UJ	0.0692 UJT	0.0599 UT	0.0562 UT	0.0692 UJT
G397	LW2-G397	1.62	1.8	1.55 J	4.97 JT	0.922 J	0.23 U	1.67	7.56 JT	2.54 JT	1.8 T	3.22 JT
G398	LW2-G398	0.317 J	0.785 J	0.204 U	1.1 JT	0.204 U	0.204 U	0.204 U	1.1 JT	0.317 JT	0.785 JT	0.204 UT
G399	LW2-G399	3.92 J	2.03 J	3.6 NJ	9.55 JT	2.15 J	0.198 UJ	0.262 UJ	11.7 JT	6.07 JT	2.03 JT	3.6 JT
G401	LW2-G401	3.82 NJ	2.94 NJ	2.19 NJ	8.95 JT	1.06 NJ	1.14 NJ	0.607 J	11.8 JT	4.88 JT	4.08 JT	2.8 JT
G403	LW2-G403	0.344 J	0.356 NJ	0.099 J	0.799 JT	0.631 NJ	0.0352 U	0.0465 UJ	1.43 JT	0.975 JT	0.356 JT	0.099 JT
G404	LW2-G404	2.7 J	3.6 J	2.16 J	8.46 JT	2.17 NJ	0.0531 U	0.625 J	11.3 JT	4.87 JT	3.6 JT	2.79 JT
G405	LW2-G405	0.235 U	0.22 U	0.272 UJ	0.272 UJT	0.157 U	0.167 U	0.22 UJ	0.272 UJT	0.235 UT	0.22 UT	0.272 UJT
G406	LW2-G406	0.689 NJ	1.52 J	2.55 NJ	4.76 JT	0.804 NJ	0.0472 U	0.206 NJ	5.77 JT	1.49 JT	1.52 JT	2.76 JT
G407	LW2-G407	1.9 J	2.11 J	0.0763 UJ	4.01 JT	0.415 NJ	0.0468 U	0.29 NJ	4.72 JT	2.32 JT	2.11 JT	0.29 JT
G408	LW2-G408	4.1 NJ	3.16 NJ	2.97 NJ	10.2 JT	2.73 NJ	0.0734 U	0.487 J	13.4 JT	6.83 JT	3.16 JT	3.46 JT
G409	LW2-G409	0.812	1.63	0.234 NJ	2.68 JT	0.193 NJ	0.0511 U	0.225	3.09 JT	1.01 JT	1.63 T	0.459 JT
G410-1	LW2-G410-1	1.82 J	1.98 J	2.33 J	6.13 JT	0.242 NJ	0.0672 U	0.282 NJ	6.65 JT	2.06 JT	1.98 JT	2.61 JT
G410-2	LW2-G410-2	1.68 J	2.96 J	0.396 J	5.04 JT	0.481 NJ	0.0707 U	0.432 J	5.95 JT	2.16 JT	2.96 JT	0.828 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G411	LW2-G411	0.22	0.099 NJ	0.259 J	0.578 JT	0.049 NJ	0.034 U	0.125 J	0.752 JT	0.269 JT	0.099 JT	0.384 JT
G412	LW2-G412	1.12 J	2.15 J	0.258 J	3.53 JT	0.65 NJ	0.0508 U	0.207 J	4.39 JT	1.77 JT	2.15 JT	0.465 JT
G413	LW2-G413	0.349 J	0.36 J	0.093 NJ	0.802 JT	0.152 NJ	0.0333 U	0.044 UJ	0.954 JT	0.501 JT	0.36 JT	0.093 JT
G414	LW2-G414	1.29 J	2.24 J	0.767 J	4.3 JT	5.77 NJ	0.0527 U	0.484 NJ	10.6 JT	7.06 JT	2.24 JT	1.25 JT
G415	LW2-G415	6.64 J	4.27 NJ	10.7 J	21.6 JT	3.49 NJ	2.08 NJ	3.09 J	30.3 JT	10.1 JT	6.35 JT	13.8 JT
G416	LW2-G416	3.46 NJ	4.65 NJ	0.458 J	8.57 JT	2.57 NJ	0.0745 U	0.0985 UJ	11.1 JT	6.03 JT	4.65 JT	0.458 JT
G417	LW2-G417	2.18 J	0.51 NJ	0.417 J	3.11 JT	1.66 J	0.147 NJ	0.0484 UJ	4.91 JT	3.84 JT	0.657 JT	0.417 JT
G418	LW2-G418	1.23 J	2.25 J	1.2 J	4.68 JT	0.857 NJ	0.0664 U	0.219 J	5.76 JT	2.09 JT	2.25 JT	1.42 JT
G419	LW2-G419	1.05 J	1.29 J	0.323 J	2.66 JT	0.063 NJ	0.0552 U	0.185 J	2.91 JT	1.11 JT	1.29 JT	0.508 JT
G420	LW2-G420	0.827	1.74	0.105 NJ	2.67 JT	0.211 NJ	0.0511 U	0.266 NJ	3.15 JT	1.04 JT	1.74 T	0.371 JT
G422	LW2-G422	4.33 NJ	3.31 J	0.89 J	8.53 JT	0.522 NJ	0.643 NJ	0.248 J	9.94 JT	4.85 JT	3.95 JT	1.14 JT
G423	LW2-G423	0.651 J	1.24 J	0.0964 UJ	1.89 JT	0.282 J	0.0591 U	0.1 J	2.27 JT	0.933 JT	1.24 JT	0.1 JT
G424	LW2-G424	16.3 NJ	3.58 NJ	2.55 NJ	22.4 JT	9.08 J	0.241 U	0.319 UJ	31.5 JT	25.4 JT	3.58 JT	2.55 JT
G425	LW2-G425	0.295	0.141 J	0.0579 UJ	0.436 JT	0.07 NJ	0.0355 U	0.159	0.665 JT	0.365 JT	0.141 JT	0.159 T
G426	LW2-G426	2.87 J	3.66 J	0.807 J	7.34 JT	1.32 NJ	0.377 UJ	0.498 UJ	8.66 JT	4.19 JT	3.66 JT	0.807 JT
G427	LW2-G427	4.85 NJ	3.19 NJ	62.7 J	70.7 JT	0.337 NJ	0.055 U	0.726 J	71.8 JT	5.19 JT	3.19 JT	63.4 JT
G428	LW2-G428	0.929 J	1.37 J	0.421 J	2.72 JT	0.57 NJ	0.0541 U	0.239 J	3.53 JT	1.5 JT	1.37 JT	0.66 JT
G429	LW2-G429	5.2 J	3.11	2.91 J	11.2 JT	2.1 NJ	0.219 U	1.09 NJ	14.4 JT	7.3 JT	3.11 T	4 JT
G430	LW2-G430	0.149 J	0.0474 U	0.0584 UJ	0.149 JT	0.0337 U	0.0358 U	0.0474 UJ	0.149 JT	0.149 JT	0.0474 UT	0.0584 UJT
G431	LW2-G431	1.92	2.86	0.353 UJ	4.78 T	0.612 NJ	0.216 U	0.286 U	5.39 JT	2.53 JT	2.86 T	0.353 UJT
G432	LW2-G432	8.59 NJ	3.27 NJ	4.35 NJ	16.2 JT	0.705 NJ	0.042 U	0.556 J	17.5 JT	9.3 JT	3.27 JT	4.91 JT
G433-1	LW2-G433-1	0.301 J	1.89	0.0922 UJ	2.19 JT	0.34 NJ	0.0566 U	0.15 NJ	2.68 JT	0.641 JT	1.89 T	0.15 JT
G433-2	LW2-G433-2	0.898	1.94	0.178 J	3.02 JT	0.309 NJ	0.0562 U	0.201 J	3.53 JT	1.21 JT	1.94 T	0.379 JT
G434	LW2-G434	5.15 J	2.65 J	1.84 NJ	9.64 JT	0.563 NJ	0.194 U	0.256 UJ	10.2 JT	5.71 JT	2.65 JT	1.84 JT
G435	LW2-G435	0.769 J	2.19 J	0.41 J	3.37 JT	0.611 NJ	0.0566 U	0.243 J	4.22 JT	1.38 JT	2.19 JT	0.653 JT
G437	LW2-G437	2.94 J	1.57 NJ	0.299 NJ	4.81 JT	0.469 NJ	1.04 NJ	0.0568 UJ	6.32 JT	3.41 JT	2.61 JT	0.299 JT
G438	LW2-G438	1.43	1.04 J	0.486 J	2.96 JT	1.04 NJ	0.0341 U	0.15 J	4.15 JT	2.47 JT	1.04 JT	0.636 JT
G439	LW2-G439	5.65 J	3.88 J	3.46 J	13 JT	0.275 U	0.292 U	0.386 U	13 JT	5.65 JT	3.88 JT	3.46 JT
G441	LW2-G441	1.97 J	5.34 J	2.02 J	9.33 JT	2.21 J	0.575 J	0.0635 U	12.1 JT	4.18 JT	5.92 JT	2.02 JT
G442	LW2-G442	0.951 J	1.22 J	0.758 J	2.93 JT	0.099 NJ	0.0479 U	0.231 NJ	3.26 JT	1.05 JT	1.22 JT	0.989 JT
G443	LW2-G443	0.338	0.842	0.172 U	1.18 T	0.172 U	0.172 U	0.172 U	1.18 T	0.338 T	0.842 T	0.172 UT
G444	LW2-G444	74.5 J	115 J	1.71 J	191 JT	18.7 J	7.63 J	0.0703 U	218 JT	93.2 JT	123 JT	1.71 JT
G445	LW2-G445	43.6 J	16.9 J	62.6	123 JT	6.58 J	1.22 J	4.24 J	135 JT	50.2 JT	18.1 JT	66.8 JT
G446	LW2-G446	1.19 J	0.651	1.95 NJ	3.79 JT	0.782 NJ	0.166 U	0.29 J	4.86 JT	1.97 JT	0.651 T	2.24 JT
G450-1	LW2-G450-1	3.6	9.05	2.14 J	14.8 JT	3.31 J	0.671 J	0.409 J	19.2 JT	6.91 JT	9.72 JT	2.55 JT
G450-2	LW2-G450-2	2.45 NJ	6.02 NJ	5.2 J	13.7 JT	0.198 U	0.198 U	0.198 U	13.7 JT	2.45 JT	6.02 JT	5.2 JT
G451	LW2-G451	0.666	1.15	0.191 J	2.01 JT	0.167 NJ	0.0395 U	0.214 J	2.39 JT	0.833 JT	1.15 T	0.405 JT
G453	LW2-G453	1080	2240 J	28.8 NJ	3350 JT	291 J	288 NJ	0.388 UJ	3930 JT	1370 JT	2530 JT	28.8 JT
G454	LW2-G454	0.259 U	0.243 U	0.299 UJ	0.299 UJT	0.719 NJ	0.184 U	0.243 UJ	0.719 JT	0.719 JT	0.243 UT	0.299 UJT
G455	LW2-G455	13 J	17.9 J	2.36 J	33.3 JT	5.08 J	2.79 J	0.0455 UJ	41.1 JT	18.1 JT	20.7 JT	2.36 JT
G456	LW2-G456	6.55 J	9.94 J	6.54 NJ	23 JT	4.17 J	0.203 U	0.762 NJ	28 JT	10.7 JT	9.94 JT	7.3 JT
G457	LW2-G457	3.34 J	5.76 J	2.21 NJ	11.3 JT	0.678 NJ	1.08 J	0.221 J	13.3 JT	4.02 JT	6.84 JT	2.43 JT
G458	LW2-G458	0.548	1.36	0.187 U	1.91 T	0.564 J	0.187 U	0.187 U	2.47 JT	1.11 JT	1.36 T	0.187 UT
G459	LW2-G459	0.254 J	0.306 NJ	0.435 NJ	0.995 JT	0.0335 U	0.0356 U	0.0471 UJ	0.995 JT	0.254 JT	0.306 JT	0.435 JT
G461	LW2-G461	1.93	4.55	0.734 J	7.21 JT	0.273 NJ	0.836 NJ	0.0801 UJ	8.32 JT	2.2 JT	5.39 JT	0.734 JT
G463	LW2-G463	0.167 NJ	0.468 NJ R		0.635 JT	0.0383 U	0.0407 U	0.0538 UJ	0.635 JT	0.167 JT	0.468 JT	0.0538 UJT
G465	LW2-G465	0.571 J	0.949 J	0.0576 UJ	1.52 JT	0.399 NJ	0.0354 U	0.0468 UJ	1.92 JT	0.97 JT	0.949 JT	0.0576 UJT
G466	LW2-G466	0.827 J	1.45	0.0826 UJ	2.28 JT	0.48 NJ	0.0507 U	0.067 UJ	2.76 JT	1.31 JT	1.45 T	0.0826 UJT
G467	LW2-G467	3.02 J	7.35 NJ	6.71 J	17.1 JT	36.5 NJ	0.174 U	2.1 J	55.7 JT	39.5 JT	7.35 JT	8.81 JT
G468	LW2-G468	1.41	2.78	1.13 J	5.32 JT	0.207 NJ	0.663 NJ	0.0804 UJ	6.19 JT	1.62 JT	3.44 JT	1.13 JT
G469	LW2-G469	0.505 J	1.09 J	0.919 J	2.51 JT	0.41 J	0.182 UJ	0.182 UJ	2.92 JT	0.915 JT	1.09 JT	0.919 JT
G470	LW2-G470	0.646 NJ	1.07 NJ	0.0783 UJ	1.72 JT	0.162 NJ	0.048 U	0.0635 UJ	1.88 JT	0.808 JT	1.07 JT	0.0783 UJT
G472	LW2-G472	0.358 J	0.798 NJ R		1.16 JT	0.087 NJ	0.0383 U	0.645 NJ	1.89 JT	0.445 JT	0.798 JT	0.645 JT
G473	LW2-G473	10.1	13.7 J	9.04 J	32.8 JT	41.1 NJ	0.248 U	1.52 J	75.5 JT	51.2 JT	13.7 JT	10.6 JT
G474	LW2-G474	1.07 J	2.16 J	0.634 J	3.86 JT	0.934 J	0.932 J	0.151 J	5.88 JT	2 JT	3.09 JT	0.785 JT
G475-1	LW2-G475-1	0.785	1.56	0.0793 UJ	2.35 T	0.526 J	0.0486 U	0.269 J	3.14 JT	1.31 JT	1.56 T	0.269 JT
G475-2	LW2-G475-2	0.865 J	1.22	0.0827 UJ	2.09 JT	0.203 NJ	0.0508 U	0.0671 UJ	2.29 JT	1.07 JT	1.22 T	0.0827 UJT
G476	LW2-G476	0.523 NJ	1.29 NJ R		1.81 JT	0.0406 U	0.0431 U	0.21 J	2.02 JT	0.523 JT	1.29 JT	0.21 JT
G477	LW2-G477	5.34	10.2	6.17 J	21.7 JT	38.9 NJ	0.233 U	2.78 J	63.4 JT	44.2 JT	10.2 T	8.95 JT
G478	LW2-G478	0.726	1.39	0.731 NJ	2.85 JT	0.625 NJ	0.0487 U	0.0643 UJ	3.47 JT	1.35 JT	1.39 T	0.731 JT
G479	LW2-G479	1.1	1.99 J	0.0886 UJ	3.09 JT	1.04 NJ	0.0543 U	0.0719 UJ	4.13 JT	2.14 JT	1.99 JT	0.0886 UJT
G480	LW2-G480	11	19.6	1.64 NJ	32.2 JT	2.77 NJ	1.61 J	0.417 J	37 JT	13.8 JT	21.2 JT	2.06 JT
G481	LW2-G481	0.603 NJ	1.2 NJ R		1.8 JT	0.0427 U	0.0454 U	0.06 UJ	1.8 JT	0.603 JT	1.2 JT	0.06 UJT
G482	LW2-G482	1.32	2.52	0.282 J	4.12 JT	0.801 NJ	0.0614 U	0.0812 UJ	4.92 JT	2.12 JT	2.52 T	0.282 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G483	LW2-G483	0.713	1.55	0.0864 UJ	2.26 T	0.43 J	0.053 U	0.0701 UJ	2.69 JT	1.14 JT	1.55 T	0.0864 UJT
G484	LW2-G484	0.93 NJ	1.68 NJ R		2.61 JT	0.131 NJ	0.0564 U	0.0745 UJ	2.74 JT	1.06 JT	1.68 JT	0.0745 UJT
G485	LW2-G485	1.28	2.09	0.113 J	3.48 JT	0.881 NJ	0.0441 U	0.0583 UJ	4.36 JT	2.16 JT	2.09 T	0.113 JT
G486	LW2-G486	1.19 J	1.79 J	0.458 J	3.44 JT	0.921 NJ	0.0554 U	0.158 J	4.52 JT	2.11 JT	1.79 JT	0.616 JT
G487	LW2-G487	0.619 NJ	0.0453 UJ R		0.619 JT	0.487 NJ	0.0342 UJ	0.208 J	1.31 JT	1.11 JT	0.0453 UJT	0.208 JT
G488	LW2-G488	2.22	3.31	3.41 J	8.94 JT	2.2 NJ	0.0566 U	1.13 J	12.3 JT	4.42 JT	3.31 T	4.54 JT
G489	LW2-G489	0.937	2.07	0.26 J	3.27 JT	0.663 J	0.0597 U	0.079 UJ	3.93 JT	1.6 JT	2.07 T	0.26 JT
G490	LW2-G490	1.22 J	2.84 J	0.544 J	4.6 JT	1.12 NJ	0.634 NJ	0.548 J	6.91 JT	2.34 JT	3.47 JT	1.09 JT
G491	LW2-G491	1.11 J	2.36 J	0.285 J	3.76 JT	1.76 NJ	0.0539 U	0.296 J	5.81 JT	2.87 JT	2.36 JT	0.581 JT
G492-1	LW2-G492-1	0.592 T	0.919 T	0.497 JT	2.01 JT	0.492 JT	0.626 JT	0.231 T	3.36 JT	1.08 JT	1.55 JT	0.728 JT
G492-2	LW2-G492-2	0.531	0.884 J	0.38 J	1.8 JT	0.412 J	0.147 U	0.147 U	2.21 JT	0.943 JT	0.884 JT	0.38 JT
G493	LW2-G493	0.846	1.78	0.404 U	2.63 T	0.661 NJ	0.65 NJ	0.207	4.14 JT	1.51 JT	2.43 JT	0.207 T
G494	LW2-G494	1.44 J	1.3 J	0.84 J	3.58 JT	1.08 NJ	1.08 NJ	1.64 NJ	7.38 JT	2.52 JT	2.38 JT	2.48 JT
G495	LW2-G495	0.968 J	2.36 J	0.398 J	3.73 JT	0.669 NJ	0.771 NJ	0.376 J	5.54 JT	1.64 JT	3.13 JT	0.774 JT
G496	LW2-G496	0.172 J	0.407 J	0.726 NJ	1.31 JT	1.74 NJ	0.0356 U	0.306 NJ	3.35 JT	1.91 JT	0.407 JT	1.03 JT
G497	LW2-G497	1.15 J	0.543 J	0.441 J	2.13 JT	0.56 J	0.151 UJ	0.151 UJ	2.69 JT	1.71 JT	0.543 JT	0.441 JT
G498	LW2-G498	0.85 J	2.35 J	0.151 NJ	3.35 JT	0.882 NJ	1.51 NJ	0.497 NJ	6.24 JT	1.73 JT	3.86 JT	0.648 JT
G499	LW2-G499	0.988	1.71	0.171 U	2.7 T	0.258 NJ	0.888 NJ	0.178 U	3.84 JT	1.25 JT	2.6 JT	0.178 UT
G500	LW2-G500	0.694 J	0.776 J	1.65 UJ	1.47 JT	0.854 NJ	0.609 NJ	0.639 U	2.93 JT	1.55 JT	1.39 JT	1.65 UJT
G501	LW2-G501	1.3 J	2.67 J	0.659 NJ	4.63 JT	1.57 NJ	0.0646 U	0.355 J	6.55 JT	2.87 JT	2.67 JT	1.01 JT
G502	LW2-G502	0.492 U	0.492 U	0.492 UJ	0.492 UT	0.492 U	0.492 U	0.492 U	0.492 UJT	0.492 UT	0.492 UT	0.492 UJT
G503	LW2-G503	1.47 J	1.8 NJ	4.47 J	7.74 JT	11.8 NJ	0.191 U	1.2 J	20.7 JT	13.3 JT	1.8 JT	5.67 JT
G504	LW2-G504	2.41	4.01	0.535 U	6.42 T	0.734 NJ	0.235 NJ	0.274	7.66 JT	3.14 JT	4.25 JT	0.274 T
G505	LW2-G505	5.36 U	5.36 U	5.36 UJ	5.36 UT	5.36 U	5.36 U	5.36 U	5.36 UJT	5.36 UT	5.36 UT	5.36 UJT
G506	LW2-G506	1.49	1.57 J	0.46 U	3.06 JT	0.299 NJ	0.7 U	0.7 U	3.36 JT	1.79 JT	1.57 JT	0.7 UT
G507	LW2-G507	0.392	0.678	0.329 UJ	1.07 T	0.627 NJ	0.228 J	0.103 J	2.03 JT	1.02 JT	0.906 JT	0.103 JT
G508	LW2-G508	4.99 U	4.99 U	4.99 U	4.99 UT	4.99 U	4.99 U	4.99 U	4.99 UT	4.99 UT	4.99 UT	4.99 UT
G509	LW2-G509	0.971	1.47	0.256 U	2.44 T	0.194 NJ	0.742 NJ	0.341 NJ	3.72 JT	1.17 JT	2.21 JT	0.341 JT
G510	LW2-G510	1.09	1.99	0.315 U	3.08 T	0.74 NJ	1.08 NJ	0.582 NJ	5.48 JT	1.83 JT	3.07 JT	0.582 JT
G511	LW2-G511	0.554	1.12	0.081 U	1.67 T	0.187 NJ	0.466 NJ	0.144 U	2.33 JT	0.741 JT	1.59 JT	0.144 UT
G512	LW2-G512	0.479	0.776	0.518 UJ	1.26 T	0.446 NJ	0.131 U	0.198 J	1.9 JT	0.925 JT	0.776 T	0.198 JT
G513	LW2-G513	0.627	0.946	0.919 U	1.57 T	0.138 NJ	0.395 NJ	0.141	2.25 JT	0.765 JT	1.34 JT	0.141 T
G514	LW2-G514	0.89	1.38	0.404 U	2.27 T	0.176 NJ	0.521 NJ	0.169 U	2.97 JT	1.07 JT	1.9 JT	0.404 UT
G515	LW2-G515	1.12	1.74	0.372 U	2.86 T	0.202 NJ	0.476 NJ	0.298 J	3.84 JT	1.32 JT	2.22 JT	0.298 JT
G516	LW2-G516	0.997	1.31 J	3.02 U	2.31 JT	3.28 J	0.598 U	1.6 J	7.19 JT	4.28 JT	1.31 JT	1.6 JT
G517	LW2-G517	2.21	1.83	0.218 U	4.04 T	0.443 NJ	0.443 NJ	0.19	5.12 JT	2.65 JT	2.27 JT	0.19 T
G518	LW2-G518	6.75 J	3.02 J	3.9 U	9.77 JT	1.18 NJ	1.29 U	1.32 J	12.3 JT	7.93 JT	3.02 JT	1.32 JT
G519-1	LW2-G519-1	1.17 J	2.11 J	0.104 U	3.28 JT	0.443 NJ	0.32 NJ	0.166 J	4.21 JT	1.61 JT	2.43 JT	0.166 JT
G519-2	LW2-G519-2	1.75 J	2.52 J	1.01 J	5.28 JT	0.546 NJ	0.504 NJ	0.456 J	6.79 JT	2.3 JT	3.02 JT	1.47 JT
G520	LW2-G520	7.71	4.58	7.73 J	20 JT	0.976 NJ	0.0665 U	0.456 NJ	21.5 JT	8.69 JT	4.58 T	8.19 JT
G521	LW2-G521	30.8 J	9.5 J	38 J	78.3 JT	5.33 NJ	0.979 NJ	0.383 U	84.6 JT	36.1 JT	10.5 JT	38 JT
BT001	LW2-GBT001	1.02	1.08	0.363	2.46 T	0.216	0.0371 J	0.0726 J	2.79 JT	1.24 T	1.12 JT	0.436 JT
BT002	LW2-GBT002	4.19	1.91	0.791	6.89 T	0.978	0.18 J	0.116 J	8.17 JT	5.17 T	2.09 JT	0.907 JT
BT003	LW2-GBT003	3.5 T	0.682 T	0.363 T	4.55 T	1.05 T	0.0628 JT	0.0527 JT	5.71 JT	4.55 T	0.745 JT	0.416 JT
BT004	LW2-GBT004	0.13 J	0.108 J	0.0613 J	0.299 JT	0.0322 J	0.00495 J	0.0157 J	0.352 JT	0.162 JT	0.113 JT	0.077 JT
BT005	LW2-GBT005	1.97	1.18	0.582	3.73 T	0.496	0.0771 J	0.0509 J	4.36 JT	2.47 T	1.26 JT	0.633 JT
BT0061	LW2-GBT006-1	1	0.517	0.301	1.82 T	0.222	0.0405 J	0.0542 J	2.13 JT	1.22 T	0.558 JT	0.355 JT
BT0062	LW2-GBT006-2	1.66 T	0.834 T	0.467 T	2.96 T	0.345 T	0.0641 JT	0.0774 JT	3.45 JT	2.01 T	0.898 JT	0.544 JT
BT007	LW2-GBT007	1.63	1	1.74	4.37 T	0.267	0.0349 J	0.257	4.93 JT	1.9 T	1.03 JT	2 T
BT008	LW2-GBT008	9.03	4.07	3	16.1 T	2.18	0.192 J	0.526	19 JT	11.2 T	4.26 JT	3.53 T
BT009	LW2-GBT009	4.34	3.49	4.15	12 T	0.869	0.168 J	0.854	13.9 JT	5.21 T	3.66 JT	5 T
BT010	LW2-GBT010	9.05	2.27	2.38	13.7 T	2.09	0.0956 J	0.184	16.1 JT	11.1 T	2.37 JT	2.56 T
BT011	LW2-GBT011	10.7	4.26	49.1	64.1 T	0.0368 U	0.193 J	0.869	65.1 JT	10.7 T	4.45 JT	50 T
BT012	LW2-GBT012	8.74	3.07	0.98	12.8 T	2.61	0.313 J	0.0989 J	15.8 JT	11.4 T	3.38 JT	1.08 JT
BT013	LW2-GBT013	2.37	0.749	0.694	3.81 T	0.643	0.0384 J	0.0639 J	4.56 JT	3.01 T	0.787 JT	0.758 JT
BT014	LW2-GBT014	25.4 J	3.11	1.02	29.5 JT	6.82 J	0.581 J	0.232 J	37.2 JT	32.2 JT	3.69 JT	1.25 JT
BT015	LW2-GBT015	36.5	5.29	25.1	66.9 T	9.71	0.13 J	1.07	77.8 JT	46.2 T	5.42 JT	26.2 T
BT016	LW2-GBT016	2.99	2.66	0.481	6.13 T	0.676	0.0901 J	0.141 J	7.04 JT	3.67 T	2.75 JT	0.622 JT
BT017	LW2-GBT017	166	31.6	144	342 T	64.8	4.57	7.52	418 T	231 T	36.2 T	152 T
BT018	LW2-GBT018	237	18.2	623	878 T	59.4	2.84	17.3	958 T	296 T	21 T	640 T
BT019	LW2-GBT019	1.87 T	1.81 T	0.485 JT	4.17 JT	0.449 T	0.058 JT	0.107 JT	4.78 JT	2.32 T	1.87 JT	0.592 JT
BT020	LW2-GBT020	20.4	3.4	124	148 T	3.41	0.265	1.38	153 T	23.8 T	3.67 T	125 T
BT021	LW2-GBT021	4.12	2.45	0.52	7.09 T	1.02	0.148 J	0.0977 J	8.36 JT	5.14 T	2.6 JT	0.618 JT
BT022	LW2-GBT022	2.15	2.13	0.683	4.96 T	0.469	0.0763 J	0.164 J	5.67 JT	2.62 T	2.21 JT	0.847 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
BT023	LW2-GBT023	1.92	2.85	1.62	6.39 T	0.441	0.0777 J	0.226	7.13 JT	2.36 T	2.93 JT	1.85 T
BT024	LW2-GBT024	2.83	2.06	0.281	5.17 T	0.518	0.0704 J	0.0731 J	5.83 JT	3.35 T	2.13 JT	0.354 JT
BT025	LW2-GBT025	3.66 T	4.01 T	0.294 T	7.96 T	0.617 T	0.122 JT	0.0896 JT	8.79 JT	4.28 T	4.13 JT	0.384 JT
BT026	LW2-GBT026	0.9	0.772	0.186 J	1.86 JT	0.21	0.0356 J	0.0453 J	2.15 JT	1.11 T	0.808 JT	0.231 JT
BT0271	LW2-GBT027-1	1.77	1.49	0.455	3.72 T	0.427	0.125 J	0.383	4.65 JT	2.2 T	1.62 JT	0.838 T
BT0272	LW2-GBT027-2	1.93 T	1.33 T	0.313 T	3.57 T	0.592 T	0.0458 JT	0.0762 JT	4.29 JT	2.52 T	1.38 JT	0.389 JT
BT028	LW2-GBT028	28.1	47.1	2.95	78.2 T	7.08	2.9	0.152 J	88.3 JT	35.2 T	50 T	3.1 JT
BT029	LW2-GBT029	1.97	1.52	0.213	3.7 T	0.366	0.0579 J	0.0583 J	4.19 JT	2.34 T	1.58 JT	0.271 JT
BT030	LW2-GBT030	4.98	2.8	0.566	8.35 T	0.998	0.118 J	0.207	9.67 JT	5.98 T	2.92 JT	0.773 T
BT031	LW2-GBT031	0.474	0.703	0.224	1.4 T	0.0888 J	0.0147 J	0.0221 U	1.5 JT	0.563 JT	0.718 JT	0.224 T
BT032	LW2-GBT032	1.95	1.83	0.344	4.12 T	0.366	0.0661 J	0.0667 J	4.62 JT	2.32 T	1.9 JT	0.411 JT
BT033	LW2-GBT033	1.13	1.39	0.335	2.86 T	0.251	0.0363 J	0.0643 J	3.21 JT	1.38 T	1.43 JT	0.399 JT
U1C-1	LW2-U1C-1	0.788 NJ	0.198 NJ R		0.986 JT	0.067 J	0.039 U	0.0516 UJ	1.05 JT	0.855 JT	0.198 JT	0.0516 UJT
U1C-2	LW2-U1C-2	0.414 NJ	0.299 NJ R		0.713 JT	0.406 J	0.0368 U	0.0486 UJ	1.12 JT	0.82 JT	0.299 JT	0.0486 UJT
U1C-3	LW2-U1C-3	0.145 NJ	0.243 NJ R		0.388 JT	0.0422 U	0.0449 U	0.0593 UJ	0.388 JT	0.145 JT	0.243 JT	0.0593 UJT
U2C-1	LW2-U2C-1	0.597 NJ	0.557 NJ	0.317 J	1.47 JT	0.079 J	0.385 J	0.233 J	2.17 JT	0.676 JT	0.942 JT	0.55 JT
U2C-2	LW2-U2C-2	1.15 NJ	0.684 NJ R		1.83 JT	0.405 J	0.0426 U	0.0564 UJ	2.24 JT	1.56 JT	0.684 JT	0.0564 UJT
U2C-3	LW2-U2C-3	0.252 NJ	0.247 NJ R		0.499 JT	0.0385 U	0.142 J	0.0541 UJ	0.641 JT	0.252 JT	0.389 JT	0.0541 UJT
U3C-1	LW2-U3C-1	0.235 J	0.48	0.0624 UJ	0.715 JT	0.206 NJ	0.129 J	0.0506 U	1.05 JT	0.441 JT	0.609 JT	0.0624 UJT
U3C-2	LW2-U3C-2	0.319 J	0.516	0.0709 UJ	0.835 JT	0.045 NJ	0.0435 U	0.0575 UJ	0.88 JT	0.364 JT	0.516 T	0.0709 UJT
U3C-3	LW2-U3C-3	0.172 J	0.375	0.0678 UJ	0.547 JT	0.0392 U	0.159	0.055 UJ	0.706 JT	0.172 JT	0.534 T	0.0678 UJT
U4Q-1	LW2-U4Q-1	0.599 J	1.25	0.0798 UJ	1.85 JT	0.13 NJ	0.19	0.278 NJ	2.45 JT	0.729 JT	1.44 T	0.278 JT
U4Q-2	LW2-U4Q-2	0.581 J	0.923 J	0.0705 UJ	1.5 JT	0.223 NJ	0.247	0.0572 U	1.97 JT	0.804 JT	1.17 JT	0.0705 UJT
U4Q-3	LW2-U4Q-3	0.494 J	0.916	0.0694 UJ	1.41 JT	0.0401 U	0.154 NJ	0.0563 U	1.56 JT	0.494 JT	1.07 JT	0.0694 UJT
U5Q-1	LW2-U5Q-1	0.0507 U	0.087 J	0.0587 UJ	0.087 JT	0.0339 U	0.036 U	0.0476 U	0.087 JT	0.0507 UT	0.087 JT	0.0587 UJT
U5Q-2	LW2-U5Q-2	0.12 J	0.12 J	0.0585 UJ	0.24 JT	0.0338 U	0.0359 U	0.0475 U	0.24 JT	0.12 JT	0.12 JT	0.0585 UJT
U5Q-3	LW2-U5Q-3	0.0529 U	0.099 J	0.0611 UJ	0.099 JT	0.0353 U	0.111 J	0.0496 U	0.21 JT	0.0529 UT	0.21 JT	0.0611 UJT
U6TOC-1	LW2-U6TOC-1	0.676 J	1.1 J	0.163 NJ	1.94 JT	0.162 NJ	0.383 NJ	0.203	2.69 JT	0.838 JT	1.48 JT	0.366 JT
U6TOC-2	LW2-U6TOC-2	0.964 J	2.06	0.963 J	3.99 JT	0.181 J	0.391	0.439 J	5 JT	1.15 JT	2.45 T	1.4 JT
U6TOC-3	LW2-U6TOC-3	0.638 J	1.32	0.167 J	2.13 JT	0.0688 U	0.164 J	0.322 NJ	2.61 JT	0.638 JT	1.48 JT	0.489 JT
02R001	LWG0102R001SDS015C00	1.8 U	11 U	0.39 U	11 UT	3.7 U	18 U	3 U	18 UT	3.7 UT	18 UT	3 UT
02R015	LWG0102R015SDS015C00	4.7 UJ	15 UJ	23 U	23 UT	6.3 UJ	26 U	5.8 U	26 UT	6.3 UJT	26 UT	23 UT
03B030	LWG0103B030SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
03B031	LWG0103B031SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.42 U	0.86 U	0.39 U	0.86 UT	0.42 UT	0.86 UT	0.39 UT
03B033	LWG0103B033SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
03R001	LWG0103R001SDS015C00	0.7	1.2	0.49 U	1.9 T	0.39 U	1.6 U	0.39 U	1.9 T	0.7 T	1.2 T	0.49 UT
03R002	LWG0103R002SDS015C00	10 J	4.8 J	210	225 JT	2.2 UJ	3.6 U	22	247 JT	10 JT	4.8 JT	232 T
03R003	LWG0103R003SDS015C10	0.93	0.86	3.3	5.09 T	0.39 U	2.6 U	0.38 U	5.09 T	0.93 T	0.86 T	3.3 T
03R003	LWG0103R003SDS015C20	0.93	0.84	1.7 U	1.77 T	0.41 U	2.1 U	0.39 U	1.77 T	0.93 T	0.84 T	1.7 UT
03R003	LWG0103R003SDS015C31	0.98 T	0.85 T	2.8 T	4.63 T	0.39 UT	0.4 UT	0.39 UT	4.63 T	0.98 T	0.85 T	2.8 T
03R004	LWG0103R004SDS015C11	3.1 UJT	4.8 UJT	7.4 UT	7.4 UT	1.1 UJT	5.5 UT	0.39 UT	7.4 UT	3.1 UJT	5.5 UT	7.4 UT
03R004	LWG0103R004SDS015C20	1.8 U	3.1 U	6.5 U	6.5 UT	1.5 U	3.9 U	0.53 U	6.5 UT	1.8 UT	3.9 UT	6.5 UT
03R004	LWG0103R004SDS015C30	1.3 U	2.1 U	4.7 U	4.7 UT	0.54 U	2.3 U	0.41 U	4.7 UT	1.3 UT	2.3 UT	4.7 UT
03R005	LWG0103R005SDS015C00	11 UJ		0.4 U	11 UJT	13 UJ		20 UJ	20 UJT	13 UJT		20 UJT
03R032	LWG0103R032SDS015C00	4.7	3.2	2.2 U	7.9 T	1.3 U	2.7 U	0.39 U	7.9 T	4.7 T	3.2 T	2.2 UT
03R034	LWG0103R034SDS015C00	0.38 UJ	0.38 U	0.38 U	0.38 UT	0.38 U	0.38 U	0.38 UJ	0.38 UT	0.38 UJT	0.38 UT	0.38 UT
03R040	LWG0103R040SDS015C00	16 J	7.8 UJ	88	104 JT	6 UJ	13 U	3.9 UJ	104 JT	16 JT	13 UT	88 T
03R041	LWG0103R041SDS015C00	2.2	3	9.7	14.9 T	0.64 U	1.8 U	0.4 U	14.9 T	2.2 T	3 T	9.7 T
04B023	LWG0104B023SDS015C00	1.8	0.39 U	0.75	2.55 T	0.91	0.9 U	0.39 U	3.46 T	2.71 T	0.9 UT	0.75 T
04B024	LWG0104B024SDS015C00	2.7	0.65 U	0.58 U	2.7 T	0.95 U	2.4 U	0.38 U	2.7 T	2.7 T	2.4 UT	0.58 UT
04R002	LWG0104R002SDS015C00	3.9 UJ	3.9 U	6.8 U	6.8 UT	3.9 U	3.9 U	3.9 U	6.8 UT	3.9 UJT	3.9 UT	6.8 UT
04R003	LWG0104R003SDS015C00	3.3 UJ	2.6 U	4 U	4 UT	0.95 UJ	0.39 U	0.51 UJ	4 UT	3.3 UJT	2.6 UT	4 UT
04R004	LWG0104R004SDS015C00	3.5	1.9 U	2.1 UJ	3.5 T	1.2 U	5 U	0.39 UJ	3.5 T	3.5 T	5 UT	2.1 UJT
05B018	LWG0105B018SDS015C00	0.38 U	0.44 U	1.4 U	1.4 UT	0.38 U	1.2 U	0.38 U	1.4 UT	0.38 UT	1.2 UT	1.4 UT
05B019	LWG0105B019SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
05R001	LWG0105R001SDS015C00	0.35 J	0.47	0.4 U	0.82 JT	0.4 U	0.4 U	0.4 U	0.82 JT	0.35 JT	0.47 T	0.4 UT
05R003	LWG0105R003SDS015C00	4 UJ	6.4 U	18 U	18 UT	2.3 UJ	19 U	0.39 UJ	19 UT	4 UJT	19 UT	18 UT
05R020	LWG0105R020SDS015C00	7.6 J	3.8 U	34	41.6 JT	2.7 U	4.5 U	0.49 U	41.6 JT	7.6 JT	4.5 UT	34 T
05R040	LWG0105R040SDS015C00	26 UJ	10 UJ	44 U	44 UT	5.9 UJ	5.9 U	16 UJ	44 UT	26 UJT	10 UJT	44 UT
05R041	LWG0105R041SDS015C00	1.7	1.3	1.2 U	3 T	0.59 U	1.4 U	0.69 U	3 T	1.7 T	1.3 T	1.2 UT
06B022	LWG0106B022SDS015C00	0.4 U	0.51 U	0.5 U	0.51 UT	0.4 U	0.4 U	0.4 U	0.51 UT	0.4 UT	0.51 UT	0.5 UT
06B025	LWG0106B025SDS015C00	9 U	7.7 U	12 U	12 UT	7.7 U	200 U	7.7 U	200 UT	9 UT	200 UT	12 UT
06B026	LWG0106B026SDS015C00	0.38 U	0.38 U	0.38 U	0.38 UT	0.38 U	0.38 U	0.38 U	0.38 UT	0.38 UT	0.38 UT	0.38 UT
06B029	LWG0106B029SDS015C00	1.5	1.2 U	1.1 U	1.5 T	0.64 U	9.2 U	0.38 U	1.5 T	1.5 T	9.2 UT	1.1 UT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
06B030	LWG0106B030SDS015C00	0.49 U	2.3 U	1.8 U	2.3 UT	0.64 U	4.6 U	0.38 U	4.6 UT	0.64 UT	4.6 UT	1.8 UT
06R001	LWG0106R001SDS015C00	5.3	3.3	9	17.6 T	1.8 U	4.4 U	0.88 UJ	17.6 T	5.3 T	3.3 T	9 T
06R002	LWG0106R002SDS015C10	2.4 U	2.1 U	8.9 U	8.9 UT	0.84 U	5.5 U	0.92 U	8.9 UT	2.4 UT	5.5 UT	8.9 UT
06R002	LWG0106R002SDS015C20	2.5 U	1.6 U	3.8 U	3.8 UT	0.87 U	3.2 U	0.39 U	3.8 UT	2.5 UT	3.2 UT	3.8 UT
06R002	LWG0106R002SDS015C31	2.6 UJT	1.3 UT	5.8 UT	5.8 UT	1.1 UT	3 UT	0.39 UJT	5.8 UT	2.6 UJT	3 UT	5.8 UT
06R004	LWG0106R004SDS015C00	17	12	15 J	44 JT	22 U	11 U	11 UJ	44 JT	17 T	12 T	15 JT
06R031	LWG0106R031SDS015C00	22 J	11	34	67 JT	6.1 J	9.2 U	8.1	81.2 JT	28.1 JT	11 T	42.1 T
06R040	LWG0106R040SDS015C00	4.9 R	R		4.9 T R	R	R		4.9 T	4.9 T RT	RT	
07B022	LWG0107B022SDS015C00	1.1	0.39 U	0.84	1.94 T	0.64 U	0.39 U	0.39 U	1.94 T	1.1 T	0.39 UT	0.84 T
07B023	LWG0107B023SDS015C00	24	20	46	90 T	12	2.3 U	15	117 T	36 T	20 T	61 T
07B024	LWG0107B024SDS015C00	40	78	94	212 T	89	26	45	372 T	129 T	104 T	139 T
07R003	LWG0107R003SDS015C00	130 U	130 U	200	200 T	130 U	130 U	130 U	200 T	130 UT	130 UT	200 T
07R004	LWG0107R004SDS015C00	0.81 UJ	1.6 U	1.2 U	1.6 UT	0.45 U	4.5 U	0.39 UJ	4.5 UT	0.81 UJT	4.5 UT	1.2 UT
07R006	LWG0107R006SDS015C00	930	330	9300	10600 T	710	1000	690	13000 T	1640 T	1330 T	9990 T
07R030	LWG0107R030SDS015C00	16	2.4	4.2 U	18.4 T	4.9	1.5 U	1.1 U	23.3 T	20.9 T	2.4 T	4.2 UT
07R040	LWG0107R040SDS015C00	0.71 U	1.8	1 U	1.8 T	0.39 U	0.8 U	0.39 U	1.8 T	0.71 UT	1.8 T	1 UT
08B032	LWG0108B032SDS015C00	0.39 U	0.39 U	1.1 U	1.1 UT	0.39 U	0.76 U	0.39 U	1.1 UT	0.39 UT	0.76 UT	1.1 UT
08R001	LWG0108R001SDS015C00	2	3	2.9 UJ	5 T	0.62 U	4.2 U	0.4 UJ	5 T	2 T	3 T	2.9 UJT
08R002	LWG0108R002SDS015C00	0.92 U	1.3 U	1.2 U	1.3 UT	0.39 U	1.3 U	0.39 U	1.3 UT	0.92 UT	1.3 UT	1.2 UT
08R003	LWG0108R003SDS015C00	1.8 UJ	1 U	2.3 U	2.3 UT	0.69 U	2.1 U	0.4 UJ	2.3 UT	1.8 UJT	2.1 UT	2.3 UT
08R040	LWG0108R040SDS015C00	3.4 U	8.9 U	0.39 U	8.9 UT	3 U	23 U	0.39 U	23 UT	3.4 UT	23 UT	0.39 UT
08R041	LWG0108R041SDS015C00	6.9	18	3.2 U	24.9 T	2.2 U	3.4 U	0.39 U	24.9 T	6.9 T	18 T	3.2 UT
09B024	LWG0109B024SDS015C00	0.39 U	0.38 U	0.38 U	0.39 UT	0.38 U	0.51 U	0.38 U	0.51 UT	0.39 UT	0.51 UT	0.38 UT
09B026	LWG0109B026SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
09B027	LWG0109B027SDS015C10	0.39 U	0.77 U	0.94 U	0.94 UT	0.39 U	1.2 U	0.39 U	1.2 UT	0.39 UT	1.2 UT	0.94 UT
09B027	LWG0109B027SDS015C20	0.73 U	1.2 U	2.6 U	2.6 UT	0.39 U	2.3 U	0.39 U	2.6 UT	0.73 UT	2.3 UT	2.6 UT
09B027	LWG0109B027SDS015C31	0.39 UT	0.79 UT	1.1 UT	1.1 UT	0.39 UT	1.1 UT	0.39 UT	1.1 UT	0.39 UT	1.1 UT	1.1 UT
09B028	LWG0109B028SDS015C00	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
09R001	LWG0109R001SDS015C10	1.8 U	1.8 UJ	3 U	3 UT	0.68 UJ	4 U	0.39 UJ	4 UT	1.8 UT	4 UT	3 UT
09R001	LWG0109R001SDS015C20	1.6 UJ	2 UJ	3.3 U	3.3 UT	0.58 UJ	9.2 U	0.39 UJ	9.2 UT	1.6 UJT	9.2 UT	3.3 UT
09R001	LWG0109R001SDS015C31	2.9 UT	4.4 UT	7.8 UT	7.8 UT	1.6 UT	11 UT	0.39 UT	11 UT	2.9 UT	11 UT	7.8 UT
09R002	LWG0109R002SDS015C00	2.1 U	2.7 U	8.3 U	8.3 UT	2.4 U	5.8 U	0.38 U	8.3 UT	2.4 UT	5.8 UT	8.3 UT
09R040	LWG0109R040SDS015C00	0.54 U	1.2	0.91 U	1.2 T	0.39 U	0.77 U	0.39 U	1.2 T	0.54 UT	1.2 T	0.91 UT
09R041	LWG0109R041SDS015C00	0.81 U	1 U	5.2 U	5.2 UT	0.53 U	1.7 U	0.38 U	5.2 UT	0.81 UT	1.7 UT	5.2 UT
AP02APG	LWG2-PG-AP2A	180 J	110 J	5800 J	6090 JT	130	20	2000	8240 JT	310 JT	130 JT	7800 JT
AP02DPG	LWG2-PG-AP2D	140 J	36 J	1800 J	1980 JT	66	11 U	65	2110 JT	206 JT	36 JT	1870 JT
AP04CPG	LWG2-PG-AP4C	220 J	91 J	2000 J	2310 JT	130 J	22 U	100	2540 JT	350 JT	91 JT	2100 JT
AP04CPG2	LWG2-PG-AP4C-2	300 J	100 J	880 J	1280 JT	150	23 U	57	1490 JT	450 JT	100 JT	937 JT
CP07APG	LWG2-PG-CP7A	1.5 UJ	0.77 UJ	1900 J	1900 JT	300	58 J	810	3070 JT	300 T	58 JT	2710 JT
CP07DPG	LWG2-PG-CP7D	7.1 J	8.2 J	55 J	70.3 JT	5.4	1.6 U	12	87.7 JT	12.5 JT	8.2 JT	67 JT
CP09APG	LWG2-PG-CP9A	140 J	84 J	300 J	524 JT	93	85 NJ	67	769 JT	233 JT	169 JT	367 JT
CP09DPG	LWG2-PG-CP9D	5 J	3.7 J	40 J	48.7 JT	4.7	1.4 U	2.1	55.5 JT	9.7 JT	3.7 JT	42.1 JT
R2AP02PG	LWG2-PG-R2AP2	150 J	66 J	1200 J	1420 JT	78	9.5 U	68	1560 JT	228 JT	66 JT	1270 JT
R2RP03PG	LWG2-PG-R2RP3	26 J	880 J	38 J	944 JT	15	32 J	15	1010 JT	41 JT	912 JT	53 JT
RP03CPG	LWG2-PG-RP3C	2.5 J	0.84 J	1.3 J	4.64 JT	2.3	0.2 U	0.5 U	6.94 JT	4.8 JT	0.84 JT	1.3 JT
RP07BPG	LWG2-PG-RP7B	65 J	18 J	160 J	243 JT	37	2.4 U	2.3	282 JT	102 JT	18 JT	162 JT
AP03B-1	LWP-TZSAP03B-1	420	150	1300	1870 T							
AP03B-2	LWP-TZSAP03B-2	650	300	6000	6950 T							
AP04B	LWP-TZSAP04B	1300 J	1100	23000	25400 JT							
AP04D	LWP-TZSAP04D	110	34	720	864 T							
NA-2B	NA-2B-0031	2.07 J	2.77	0.098 NJ	4.94 JT	0.429 NJ	0.0559 U	0.257 NJ	5.62 JT	2.5 JT	2.77 T	0.355 JT
NA-3B	NA-3B-0034	6.01 J	4.78	0.432 J	11.2 JT	1.5 NJ	0.325 J	0.074 J	13.1 JT	7.51 JT	5.11 JT	0.506 JT
NA-4B	NA-4B-0024	2.79 J	4.79	0.524	8.1 JT	0.842 NJ	0.371 NJ	0.447 NJ	9.76 JT	3.63 JT	5.16 JT	0.971 JT
PSY01	PSYSEA98PSY01PSY01S	6 U	8	10	18 T							
PSY08	PSYSEA98PSY08PSY08S	2 UT	4 T	5 T	7 T							
PSY08	PSYSEA98PSY08PSY52S	2 U	5	8	13 T							
PSY08	PSYSEA98PSY08PSY53S	2 U	2	3	5 T							
PSY12	PSYSEA98PSY12PSY12S	2 U	2 U	2 U	2 UT							
PSY27	PSYSEA98PSY27PSY27S	7	6	140	153 T							
PSY49	PSYSEA98PSY49PSY49S	2 U	3	2 U	3 T							
PSY70	PSYSEA98PSY70PSY70S	2 U	2 U	6 U	6 UT							
PSY71	PSYSEA98PSY71PSY71S	2 U	2 U	6 U	6 UT							
PSY72	PSYSEA98PSY72PSY72S	2 UT	2 UT	3.5 T	3.5 T							
PSY72	PSYSEA98PSY72PSY74S	2 U	2 U	6 U	6 UT							

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
PSY72	PSYSEA98PSY72PSY75S	2 U	3	5	8 T							
PSY76	PSYSEA98PSY76PSY76S	2 U	2	3	5 T							
PSY77	PSYSEA98PSY77PSY77S	2 U	2 U	3	3 T							
REFC	PSYSEA98REFCSY60SC	2 U	2 U	6 U	6 UT							
REFF	PSYSEA98REFFSY61SF	2 U	2	3	5 T							
REFM	PSYSEA98REFMSY62SM	2 U	2 U	6 U	6 UT							
SD0102	WLCCPF01SD0102SD2S1C	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0105	WLCCPF01SD0105D5SC1C	0.8 U	0.8 U	0.8 U	0.8 UT							
WR-PG-01	WLCDRD05PG00101	0.86 NJ	2.4	1.7	4.96 T	2.1 U	0.6 U	0.73 J	5.69 JT	0.86 JT	2.4 T	2.43 JT
WR-PG-02	WLCDRD05PG00202	0.74 NJ	2.1	1.9	4.74 T	2 U	0.62 U	0.6 J	5.34 JT	0.74 JT	2.1 T	2.5 JT
WR-PG-03	WLCDRD05PG00303	1.4 NJ	2.1	1.7	5.2 T	1.5 U	0.56 U	0.47 J	5.67 JT	1.4 JT	2.1 T	2.17 JT
WR-PG-04	WLCDRD05PG00404	1.8 J	2.2 J	3.8	7.8 T	1.7 U	0.46 U	1.5	9.3 JT	1.8 JT	2.2 JT	5.3 T
WR-PG-06	WLCDRD05PG00606	1.4 J	2.2 J	1.5	5.1 T	2.5 U	0.54 U	0.9 J	6 JT	1.4 JT	2.2 JT	2.4 JT
WR-PG-09	WLCDRD05PG00909	0.9 J	2	1.9 J	4.8 T	2 U	0.53 U	0.68 J	5.48 JT	0.9 JT	2 T	2.58 JT
WR-PG-11	WLCDRD05PG01111	1.3 J	2.4 J	3.1	6.8 T	2.4 U	1 U	2.6 J	9.4 JT	1.3 JT	2.4 JT	5.7 JT
WR-PG-12	WLCDRD05PG01212	2.7 J	2.5	4.3	9.5 T	2.3 U	0.48 U	0.99 J	10.5 JT	2.7 JT	2.5 T	5.29 JT
WR-PG-13	WLCDRD05PG01313	2	1.7 J	5	8.7 T	3.7 U	0.67 U	1.4 J	10.1 JT	2 T	1.7 JT	6.4 JT
WR-PG-14	WLCDRD05PG01414	2.8 J	2.8	1.6	7.2 T	2.5 U	0.58 U	0.47 J	7.67 JT	2.8 JT	2.8 T	2.07 JT
WR-PG-15	WLCDRD05PG01515	1.6 NJ	3.3 J	2	6.9 T	2.2 U	0.5 U	0.93 J	7.83 JT	1.6 JT	3.3 JT	2.93 JT
WR-PG-16	WLCDRD05PG01616	4.4 J	4.4 NJ	1.3 J	10.1 T	3.3 U	1.1 U	2 U	10.1 JT	4.4 JT	4.4 JT	1.3 JT
WR-PG-17	WLCDRD05PG01717	2.3 J	2.5	1.2	6 T	2.1 U	1 U	1.1 U	6 JT	2.3 JT	2.5 T	1.2 T
WR-PG-18	WLCDRD05PG01818	4.8 J	4.3	9.5	18.6 T	3.2 U	0.5 U	0.64 J	19.2 JT	4.8 JT	4.3 T	10.1 JT
WR-PG-19	WLCDRD05PG01919	2 J	3 J	1.6 J	6.6 T	2.2 U	0.52 U	1.3 J	7.9 JT	2 JT	3 JT	2.9 JT
WR-PG-21	WLCDRD05PG02121	7.1 J	2.7 J	1.5 U	9.8 T	4.7 U	1.1 U	2.3 U	9.8 JT	7.1 JT	2.7 JT	2.3 UT
WR-PG-22	WLCDRD05PG02222	3.6 J	4.7	20 J	28.3 T	3.9 U	0.94 U	1.3	29.6 JT	3.6 JT	4.7 T	21.3 JT
WR-PG-23	WLCDRD05PG02323	8.5 J	6.9 J	4.2 J	19.6 T	1.1 U	3.2 J	5.1	27.9 JT	8.5 JT	10.1 JT	9.3 JT
WR-PG-24	WLCDRD05PG02424	10 J	8.8 J	4.4 J	23.2 T	7.8	2.7 U	5.6 J	36.6 JT	17.8 JT	8.8 JT	10 JT
WR-PG-26	WLCDRD05PG02626	0.52 J	0.17 U	0.12 U	0.52 T	0.2 U	0.29 U	0.079 U	0.52 JT	0.52 JT	0.29 UT	0.12 UT
WR-PG-27	WLCDRD05PG02727	1.7 U	2 NJ	19 J	21 T	5.3 J	2.9 U	3.3 U	26.3 JT	5.3 JT	2 JT	19 JT
WR-PG-29	WLCDRD05PG02929	0.9 U	2.2	1.6 U	2.2 T	1.1 U	0.56 U	0.77 J	2.97 JT	1.1 UT	2.2 T	0.77 JT
WR-PG-30	WLCDRD05PG03030	4.5 U	3.5 J	5.3	8.8 T	2.7 U	0.54 U	0.96 U	8.8 JT	4.5 UT	3.5 JT	5.3 T
WR-PG-33	WLCDRD05PG03333	0.2 J	0.47 J	1.2 J	1.87 T	0.96 U	0.38 U	0.96 U	1.87 JT	0.2 JT	0.47 JT	1.2 JT
WR-PG-34	WLCDRD05PG03434	3.4 J	4.1	16	23.5 T	3.7 U	0.63 U	0.82 J	24.3 JT	3.4 JT	4.1 T	16.8 JT
WR-PG-35	WLCDRD05PG03535	0.6 NJ	1.3	1.1 U	1.9 T	0.99 U	0.48 U	0.46 J	2.36 JT	0.6 JT	1.3 T	0.46 JT
WR-PG-36	WLCDRD05PG03636	4 J	2.8	2.3	9.1 T	2.5 U	0.64 U	0.88 J	9.98 JT	4 JT	2.8 T	3.18 JT
WR-PG-37	WLCDRD05PG03737	0.98 J	2 J	1.8 J	4.78 T	1.9 J	0.45 U	0.95 J	7.63 JT	2.88 JT	2 JT	2.75 JT
WR-PG-39	WLCDRD05PG03939	0.15 U	1.2	0.93 U	1.2 T	1 U	0.46 U	0.49 J	1.69 JT	1 UT	1.2 T	0.49 JT
WR-PG-41	WLCDRD05PG04141	1.1 NJ	1.4	1.9 J	4.4 T	0.99 U	0.47 U	0.84 J	5.24 JT	1.1 JT	1.4 T	2.74 JT
WR-PG-42	WLCDRD05PG04242	1.9	2.7 U	0.28 U	1.9 T	0.95 U	0.78 U	0.68 U	1.9 T	1.9 T	2.7 UT	0.68 UT
WR-PG-43	WLCDRD05PG04343	0.43 U	1.4	0.97 U	1.4 T	0.34 U	0.51 U	0.49 J	1.89 JT	0.43 UT	1.4 T	0.49 JT
WR-PG-45	WLCDRD05PG04545	1.2 J	2.1	1.2	4.5 T	2.3 NJ	0.43 U	0.99 J	7.79 JT	3.5 JT	2.1 T	2.19 JT
WR-PG-47	WLCDRD05PG04747	0.12 U	1.3	1.2 U	1.3 T	1 U	1 U	0.55 U	1.3 T	1 UT	1.3 T	1.2 UT
WR-PG-48	WLCDRD05PG04848	11 J	5.1 J	3.7	19.8 T	4.1 U	0.96 J	1.5 J	22.3 JT	11 JT	6.06 JT	5.2 JT
WR-PG-50	WLCDRD05PG05050	26 J	12 J	34 J	72 T	16 J	1 U	3.6 U	88 JT	42 JT	12 JT	34 JT
WR-PG-52	WLCDRD05PG05252	24 J	7.3 J	8.9 J	40.2 T	15 J	1 U	1 J	56.2 JT	39 JT	7.3 JT	9.9 JT
WR-PG-54	WLCDRD05PG05454	13 J	5.4 J	79	97.4 T	8.3	0.6 U	1.1 U	106 JT	21.3 JT	5.4 JT	79 T
WR-PG-56	WLCDRD05PG05656	46	9.6	78	134 T	16	2.2 NJ	2.6 NJ	154 JT	62 T	11.8 JT	80.6 JT
WR-PG-58	WLCDRD05PG05858	94	19 J	56	169 T	34	18 U	12 NJ	215 JT	128 T	19 JT	68 JT
WR-PG-60	WLCDRD05PG06060	7.1 U	16 NJ	9.3 J	25.3 T	11 J	0.91 U	7	43.3 JT	11 JT	16 JT	16.3 JT
WR-PG-61	WLCDRD05PG06161	1.6 J	1.8 NJ	1.3 J	4.7 T	0.33 U	0.5 U	0.93 J	5.63 JT	1.6 JT	1.8 JT	2.23 JT
WR-PG-62	WLCDRD05PG06262	6.3 J	4.3 J	9.2	19.8 T	3.9 J	2 U	0.92 J	24.6 JT	10.2 JT	4.3 JT	10.1 JT
WR-PG-63	WLCDRD05PG06363	1.7 U	1.5 NJ	12 J	13.5 T	3.3	0.42 U	2.2 U	16.8 JT	3.3 T	1.5 JT	12 JT
WR-PG-64	WLCDRD05PG06464	25	12 J	260	297 T	12	4.6 U	73	382 JT	37 T	12 JT	333 T
WR-PG-66	WLCDRD05PG06666	9.9 J	6	54	69.9 T	6.7	4.7	21	102 JT	16.6 JT	10.7 T	75 T
WR-PG-68	WLCDRD05PG06868	620	69 U	430	1050 T	300	110	0.15 U	1460 T	920 T	110 T	430 T
WR-PG-70	WLCDRD05PG07070	190	30 J	320	540 T	96	12 U	17 U	636 JT	286 T	30 JT	320 T
WR-PG-72	WLCDRD05PG07272	63	26	800	889 T	25	5.8 U	33	947 T	88 T	26 T	833 T
WR-PG-74	WLCDRD05PG07474	3 NJ	3.9	8	14.9 T	3 U	0.74 U	0.97 J	15.9 JT	3 JT	3.9 T	8.97 JT
WR-PG-76	WLCDRD05PG07676	0.6 U	2.3	1.2 U	2.3 T	1.6 U	0.57 U	0.54 J	2.84 JT	1.6 UT	2.3 T	0.54 JT
WR-PG-78	WLCDRD05PG07878	1.1 U	2.6	1.2	3.8 T	1.9 U	0.61 U	0.65 J	4.45 JT	1.9 UT	2.6 T	1.85 JT
WR-PG-80	WLCDRD05PG08080	1 U	2.4	1.7 J	4.1 T	2.2 U	0.57 U	1.7 NJ	5.8 JT	2.2 UT	2.4 T	3.4 JT
WR-PG-82	WLCDRD05PG08282	0.11 U	2.6	0.99 U	2.6 T	2.3 U	0.46 U	0.32 U	2.6 T	2.3 UT	2.6 T	0.99 UT
WR-PG-84	WLCDRD05PG08484	1 U	2.3	1.3 U	2.3 T	2 U	0.56 U	0.6 J	2.9 JT	2 UT	2.3 T	0.6 JT
WR-PG-86	WLCDRD05PG08686	1.1 U	2.5	0.92 U	2.5 T	1.1 U	0.61 U	0.91 J	3.41 JT	1.1 UT	2.5 T	0.91 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WR-PG-88	WLCDRD05PG08888	0.29 U	1.2 U	1.7 U	1.7 UT	0.43 U	0.65 U	0.66 J	0.66 JT	0.43 UT	1.2 UT	0.66 JT
WR-PG-90	WLCDRD05PG09090	0.68 J	1.5	1.3 U	2.18 T	0.42 U	0.64 U	0.7 J	2.88 JT	0.68 JT	1.5 T	0.7 JT
WR-PG-92	WLCDRD05PG09292	0.78 J	1.6	1.4 U	2.38 T	0.42 U	0.65 U	0.7 J	3.08 JT	0.78 JT	1.6 T	0.7 JT
WR-PG-94	WLCDRD05PG09494	0.27 U	1.7	1.6 U	1.7 T	1.1 U	0.64 U	1.1 J	2.8 JT	1.1 UT	1.7 T	1.1 JT
WR-PG-96	WLCDRD05PG09696	0.92 NJ	1.8 J	1.7 U	2.72 T	0.47 U	0.71 U	0.74 J	3.46 JT	0.92 JT	1.8 JT	0.74 JT
WR-PG-98	WLCDRD05PG09898	1.1 J	1.8	1.2 U	2.9 T	0.4 U	0.62 U	0.56 J	3.46 JT	1.1 JT	1.8 T	0.56 JT
WR-PG-100	WLCDRD05PG100100	0.93 NJ	1.7	2.1 U	2.63 T	0.45 U	0.69 U	0.72 J	3.35 JT	0.93 JT	1.7 T	0.72 JT
WR-PG-102	WLCDRD05PG102102	1.5 J	2.7	1.4 U	4.2 T	1.3 U	0.59 U	0.79 J	4.99 JT	1.5 JT	2.7 T	0.79 JT
WR-PG-104	WLCDRD05PG104104	1.6 NJ	2.1	3.4	7.1 T	1.6 U	0.63 U	3.1 NJ	10.2 JT	1.6 JT	2.1 T	6.5 JT
WR-PG-106	WLCDRD05PG106106	2.1 J	2.5 J	5.1 U	4.6 T	5.7 NJ	0.55 U	3.5 J	13.8 JT	7.8 JT	2.5 JT	3.5 JT
WR-PG-108	WLCDRD05PG108108	2.5 J	1 U	4.7	7.2 T	2.5 U	0.33 U	3.4 NJ	10.6 JT	2.5 JT	1 UT	8.1 JT
WR-PG-112	WLCDRD05PG112112	1.1 J	1.8 J	4 J	6.9 T	1 U	0.58 U	2 J	8.9 JT	1.1 JT	1.8 JT	6 JT
WR-PG-114	WLCDRD05PG114114	2.1 J	2.7 NJ	1.6 NJ	6.4 T	0.35 U	0.53 U	1.4	7.8 JT	2.1 JT	2.7 JT	3 JT
WR-PG-116	WLCDRD05PG116116	1.2	2 J	0.97 U	3.2 T	0.36 U	0.54 U	1.2 NJ	4.4 JT	1.2 T	2 JT	1.2 JT
WR-PG-118	WLCDRD05PG118118	0.62 NJ	1.2	1.7 U	1.82 T	0.37 U	0.56 U	0.46 U	1.82 JT	0.62 JT	1.2 T	1.7 UT
WR-PG-120	WLCDRD05PG120120	2.7	3.1 J	1.5 U	5.8 T	0.54 U	0.82 U	1.5 U	5.8 JT	2.7 T	3.1 JT	1.5 UT
WR-PG-122	WLCDRD05PG122122	3.2	3.5 J	1.7 U	6.7 T	0.37 U	1 U	1.2 J	7.9 JT	3.2 T	3.5 JT	1.2 JT
WR-PG-124	WLCDRD05PG124124	1.1 NJ	1.7 J	1.5 U	2.8 T	0.34 U	0.52 U	1 U	2.8 JT	1.1 JT	1.7 JT	1.5 UT
WR-PG-126	WLCDRD05PG126126	2.4 U	1 U	1.1 J	1.1 T	0.3 U	0.45 U	0.99 NJ	2.09 JT	2.4 UT	1 UT	2.09 JT
WR-PG-128	WLCDRD05PG128128	1.7 U	2 NJ	2 U	2 T	0.35 U	0.53 U	1 U	2 JT	1.7 UT	2 JT	2 UT
WR-PG-130	WLCDRD05PG130130	1.4 NJ	1.3 J	1 U	2.7 T	1.2 U	0.96 U	0.71 J	3.41 JT	1.4 JT	1.3 JT	0.71 JT
WR-PG-132	WLCDRD05PG132132	0.39 NJ	1.1 J	1.1 J	2.59 T	0.39 U	0.6 U	1.1 U	2.59 JT	0.39 JT	1.1 JT	1.1 JT
WR-PG-134	WLCDRD05PG134134	0.3 U	0.89 J	1.3	2.19 T	1 U	0.48 U	0.63 J	2.82 JT	1 UT	0.89 JT	1.93 JT
WR-PG-45	WLCDRD05PG135135Dup	1.6 J	2.2	0.93 J	4.73 T	2.2 NJ	0.43 U	0.65 J	7.58 JT	3.8 JT	2.2 T	1.58 JT
WR-PG-39	WLCDRD05PG136136Dup	0.15 U	1	1.3 U	1 T	1 U	0.46 U	0.51 J	1.51 JT	1 UT	1 T	0.51 JT
WR-PG-27	WLCDRD05PG137137Dup	1.6 J	0.76 NJ	12 J	14.4 T	4.7 J	1.7 U	3 U	19.1 JT	6.3 JT	0.76 JT	12 JT
WR-PG-48	WLCDRD05PG138138Dup	8.3 J	5.8 J	13	27.1 T	5 U	1.5 U	2.9 U	27.1 JT	8.3 JT	5.8 JT	13 T
WR-PG-36	WLCDRD05PG139139Dup	4.5 J	3 J	3.3	10.8 T	2.4 U	1 U	0.66 U	10.8 JT	4.5 JT	3 JT	3.3 T
WR-PG-06	WLCDRD05PG140140Dup	2.8 NJ	1.8	2.4	7 T	2.3 U	0.54 U	0.75 J	7.75 JT	2.8 JT	1.8 T	3.15 JT
WR-PG-01	WLCDRD05PG141141Dup	1.3 J	2	1.4	4.7 T	1.3 U	0.6 U	0.42 J	5.12 JT	1.3 JT	2 T	1.82 JT
WR-PG-Ref01	WLCDRD05PGR01Ref01	0.16 U	0.32 J	0.41 J	0.73 T	0.24 U	0.37 U	0.098 U	0.73 JT	0.24 UT	0.32 JT	0.41 JT
WR-PG-Ref02	WLCDRD05PGR02Ref02	0.2 U	0.53 J	0.27 U	0.53 T	0.24 U	0.36 U	0.21 J	0.74 JT	0.24 UT	0.53 JT	0.21 JT
WR-PG-Ref03	WLCDRD05PGR03Ref03	0.16 U	0.86	0.57 J	1.43 T	0.32 U	0.49 U	0.27 J	1.7 JT	0.32 UT	0.86 T	0.84 JT
HC-REF-01	WLCDRI03CREF01CREF01	0.18 U	1.3	1 JP	2.39							
HC-REF-02	WLCDRI03CREF02CREF02	0.54 UJ	1.3	0.34 U	1.74							
REFSAMP	WLCGAF00EFSAMPGACREF	1.7	4	1 U	5.7 T							
GAC-001	WLCGAF00GAC001GAC001	1 U	1.9	1 U	1.9 T							
GAC-002	WLCGAF00GAC002GAC002	1 U	2.4	1 U	2.4 T							
GAC-003	WLCGAF00GAC003GAC003	1	2.4	1 U	3.4 T							
GAC-004	WLCGAF00GAC004GAC004	1.3	2.3	1.1	4.7 T							
GAC-005	WLCGAF00GAC005GAC005	1.2	2.4	1 U	3.6 T							
S1	WLCGXV99S1S1_10	6.7 U	6.7 U	6.7 U	6.7 UT							
S2	WLCGXV99S2S2_10	26.8 U	26.8 U	26.8 U	26.8 UT							
S3	WLCGXV99S3S3_10	41 U	41 U	41 U	41 UT							
S4	WLCGXV99S4S4_10	18.3	6.7 U	10.9	29.2 T							
SD11	WLCITH98SD11SD11	5 J	4 J	2 U	9 T							
SD12	WLCITH98SD12SD12	2 U	2 U	2 U	2 UT							
CS004	WLCMRI02CS004CS004	4.8 T	2.15 T	8.25 JT	15.2 T							
CS005	WLCMRI02CS005CS005	5.7	2.6	3.4 J	11.7 T							
PP011801	WLCOFH0218011801	7.13	13	0.696 U	20.13 T	5.38 U	5.38 U	5.38 U	20.1 T	7.13 T	13 T	5.38 UT
PP011802	WLCOFH0218021802	36.7	58	0.694 U	94.7 T	9.42 P	7.77 P	5.36 U	112 T	46.1 T	65.8 T	5.36 UT
PP011803	WLCOFH0218031803	17.9 T	33.5 T	0.61 UT	51.4 T	6.07 JT	4.71 UT	4.71 UT	57.5 JT	24 JT	33.5 T	4.71 UT
PP011805	WLCOFH0218051805	33	64.7	0.75 U	97.7 T	8.81 P	8.21 P	5.79 U	115 T	41.8 T	72.9 T	5.79 UT
PP011806	WLCOFH0218061806	54.5	124	0.675 U	178.5 T	24	5.21 U	5.21 U	203 T	78.5 T	124 T	5.21 UT
PP011807	WLCOFH0218071807	82.7	75.4	0.606 U	158.1 T	17.5 P	4.68 U	4.68 U	176 T	100 T	75.4 T	4.68 UT
PP011808	WLCOFH0218081808	10.6	27.9	0.61 U	38.5 T	4.71 U	4.71 U	4.71 U	38.5 T	10.6 T	27.9 T	4.71 UT
PP011809	WLCOFH0218091809	45.5	78.9	0.593 U	124.4 T	12.3 P	4.58 U	4.58 U	137 T	57.8 T	78.9 T	4.58 UT
PP011810	WLCOFH0218101810	14.1	65.1	0.966 U	79.2 T	7.46 U	7.46 U	7.46 U	79.2 T	14.1 T	65.1 T	7.46 UT
PP01M101	WLCOFH02M101M101	4.04 JT	1.83 JT	0.74 UT	5.87 T	5.71 UT	5.71 UT	5.71 UT	5.87 JT	4.04 JT	1.83 JT	5.71 UT
PP01M103	WLCOFH02M103M103	2.49 J	1.9 JP	0.854 U	4.39 T	6.59 U	6.59 U	6.59 U	4.39 JT	2.49 JT	1.9 JT	6.59 UT
PP01M104	WLCOFH02M104M104	0.501 U	0.593 U	0.667 U	0.667 UT	5.15 U	5.15 U	5.15 U	5.15 UT	5.15 UT	5.15 UT	5.15 UT
PP01M105	WLCOFH02M105M105	0.578 U	1.03 JP	0.77 U	1.03 T	5.94 U	5.94 U	5.94 U	1.03 JT	5.94 UT	1.03 JT	5.94 UT
PP01M106	WLCOFH02M106M106	0.477 U	0.564 U	0.635 U	0.635 UT	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 UT	4.9 UT	4.9 UT
PP01M107	WLCOFH02M107M107	0.498 U	0.589 U	1.33 J	1.33 T	5.12 U	5.12 U	5.12 U	1.33 JT	5.12 UT	5.12 UT	1.33 JT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
PP01M108	WLCOFH02M108M108	0.562 U	0.666 U	0.749 U	0.749 UT	5.78 U	5.78 U	5.78 U	5.78 UT	5.78 UT	5.78 UT	5.78 UT
PP01M109	WLCOFH02M109M109	0.577 U	1.06 JP	0.768 U	1.06 T	5.93 U	5.93 U	5.93 U	1.06 JT	5.93 UT	1.06 JT	5.93 UT
PP01M110	WLCOFH02M110M110	0.483 U	0.572 U	0.644 U	0.644 UT	4.97 U	4.97 U	4.97 U	4.97 UT	4.97 UT	4.97 UT	4.97 UT
1901	WLCOFJ02190119010	5.3 J	7.54 J	0.838 UJ	12.84 T	3.78 J	3.24 UJ	3.24 UJ	16.6 JT	9.08 JT	7.54 JT	3.24 UJT
1902	WLCOFJ02190219020	7.22 UJ	24 J	10.5 J	34.5 T	42.5 J	7.87 J	7.22 UJ	84.9 JT	42.5 JT	31.9 JT	10.5 JT
1903	WLCOFJ02190319030	6.38 J	4.2 J	4.97 J	15.55 T	6.17 J	2.99 UJ	2.99 UJ	21.7 JT	12.6 JT	4.2 JT	4.97 JT
19A01	WLCOFJ0219A0119A010	0.515 UJ	10.7 J	17.3 J	28 T	23.6 J	4.88 J	2.65 UJ	56.5 JT	23.6 JT	15.6 JT	17.3 JT
19A02	WLCOFJ0219A0219A020	5.69 J	5.94 J	0.764 UJ	11.63 T	2.95 UJ	2.95 UJ	2.95 UJ	11.6 JT	5.69 JT	5.94 JT	2.95 UJT
19A03	WLCOFJ0219A0319A030	6.07 J	6.03 J	0.851 UJ	12.1 T	3.28 UJ	3.28 UJ	3.28 UJ	12.1 JT	6.07 JT	6.03 JT	3.28 UJT
2201	WLCOFJ02220122010	0.481 UJ	0.57 UJ	0.641 UJ	0.641 UT	2.47 UJ	2.47 UJ	2.47 UJ	2.47 UJT	2.47 UJT	2.47 UJT	2.47 UJT
2202	WLCOFJ02220222020	4.43 J	1.75 J	3.18 J	9.36 T	2.84 UJ	2.84 UJ	2.84 UJ	9.36 JT	4.43 JT	1.75 JT	3.18 JT
22031	WLCOFJ022203122031	6.01 J	1.64 J	9.68 J	17.33 T	2.87 UJ	2.87 UJ	3.64 J	21 JT	6.01 JT	1.64 JT	13.3 JT
2203	WLCOFJ02220322030	8.51 J	3.17 J	3.42 J	15.1 T	2.88 UJ	2.88 UJ	2.88 UJ	15.1 JT	8.51 JT	3.17 JT	3.42 JT
2204	WLCOFJ02220422040	0.779 UJ	0.922 UJ	1.04 UJ	1.04 UT	4.01 UJ	4.01 UJ	4.01 UJ	4.01 UJT	4.01 UJT	4.01 UJT	4.01 UJT
2205	WLCOFJ02220522050	5.69 J	3.93 J	1.07 UJ	9.62 T	4.14 UJ	4.14 UJ	4.14 UJ	9.62 JT	5.69 JT	3.93 JT	4.14 UJT
2206	WLCOFJ02220622060	3.59 J	0.865 UJ	0.973 UJ	3.59 T	3.76 UJ	3.76 UJ	3.76 UJ	3.59 JT	3.59 JT	3.76 UJT	3.76 UJT
22B01	WLCOFJ0222B0122B010	315	52.2	54.6	421.8 T	154	17.8	33.5	627 T	469 T	70 T	88.1 T
22B02	WLCOFJ0222B0222B020	121	21.2	36.6	178.8 T	73.4	11.5	9.8	274 T	194 T	32.7 T	46.4 T
22B03	WLCOFJ0222B0322B030	250	19.5	58.8	328.3 T	115	15.3	11.5	470 T	365 T	34.8 T	70.3 T
22B04	WLCOFJ0222B0422B040	195	67.9	75.4	338.3 T	117	22.6	39.6	518 T	312 T	90.5 T	115 T
22C01	WLCOFJ0222C0122C010	296	58	48.2	402.2 T	162	23.8	25.2	613 T	458 T	81.8 T	73.4 T
22C02	WLCOFJ0222C0222C020	19.4	20.3	22.9	62.6 T	12.9	3.51 J	22.4	101 JT	32.3 T	23.8 JT	45.3 T
22C03	WLCOFJ0222C0322C030	34.2 T	28 T	145 T	207 T	26.1 T	6.88 JT	48.1 T	288 JT	60.3 T	34.9 JT	193 T
22C04	WLCOFJ0222C0422C040	7.34 J	1.98 U	2.23 U	7.34 T	8.62 U	8.62 U	8.62 U	7.34 JT	7.34 JT	8.62 UT	8.62 UT
2401	WLCOFJ02240124010	0.389 UJ	0.46 UJ	0.518 UJ	0.518 UT	2 UJ	2 UJ	2 UJ	2 UJT	2 UJT	2 UJT	2 UJT
2402	WLCOFJ02240224020	17.8 J	1.95 J	0.703 UJ	19.75 T	8.38 J	2.71 UJ	2.71 UJ	28.1 JT	26.2 JT	1.95 JT	2.71 UJT
2403	WLCOFJ02240324030	26.8 J	4.49 J	151 J	182.29 T	6.54 J	2.92 UJ	2.92 UJ	189 JT	33.3 JT	4.49 JT	151 JT
2404	WLCOFJ02240424040	14.2 J	2.76 J	0.584 UJ	16.96 T	6.26 J	2.25 UJ	2.25 UJ	23.2 JT	20.5 JT	2.76 JT	2.25 UJT
2405	WLCOFJ02240524050	43.8 J	10.4 J	0.771 UJ	54.2 T	14.3 J	2.98 UJ	2.98 UJ	68.5 JT	58.1 JT	10.4 JT	2.98 UJT
4801	WLCOFJ02480148010	0.573 U	0.679 U	25.8	25.8 T	2.95 U	3.34 J	2.95 U	29.1 JT	2.95 UT	3.34 JT	25.8 T
4802	WLCOFJ02480248020	0.398 U	0.471 U	3.36 J	3.36 T	2.05 U	2.05 U	2.05 U	3.36 JT	2.05 UT	2.05 UT	3.36 JT
4803	WLCOFJ02480348030	0.513 U	0.608 U	0.684 U	0.684 UT	2.64 U	2.64 U	2.64 U	2.64 UT	2.64 UT	2.64 UT	2.64 UT
4804	WLCOFJ02480448040	3.37 J	0.568 U	0.639 U	3.37 T	2.47 U	2.47 U	2.47 U	3.37 JT	3.37 JT	2.47 UT	2.47 UT
4805	WLCOFJ02480548050	0.488 U	0.578 U	0.65 U	0.65 UT	2.51 U	2.51 U	2.51 U	2.51 UT	2.51 UT	2.51 UT	2.51 UT
4806	WLCOFJ02480648060	12.8	0.999 U	21.2	34 T	5.26 J	4.34 U	4.34 U	39.3 JT	18.1 JT	4.34 UT	21.2 T
4901	WLCOFJ02490149010	0.377 UT	0.447 UT	0.503 UT	0.503 UT	1.94 UT	1.94 UT	1.94 UT	1.94 UT	1.94 UT	1.94 UT	1.94 UT
4902	WLCOFJ02490249020	0.421 U	0.498 U	0.561 U	0.561 UT	2.16 U	2.16 U	2.16 U	2.16 UT	2.16 UT	2.16 UT	2.16 UT
4903	WLCOFJ02490349030	2.74 J	0.558 U	4.04 J	6.78 T	2.42 U	2.42 U	2.42 U	6.78 JT	2.74 JT	2.42 UT	4.04 JT
4904	WLCOFJ02490449040	0.448 U	0.531 U	0.597 U	0.597 UT	2.31 U	2.31 U	2.31 U	2.31 UT	2.31 UT	2.31 UT	2.31 UT
4905	WLCOFJ02490549050	0.498 U	0.589 U	4.95 J	4.95 T	2.56 U	2.56 U	2.56 U	4.95 JT	2.56 UT	2.56 UT	4.95 JT
4906	WLCOFJ02490649060	0.383 U	0.453 U	0.51 U	0.51 UT	1.97 U	1.97 U	1.97 U	1.97 UT	1.97 UT	1.97 UT	1.97 UT
5001	WLCOFJ02500150010	0.445 UJ	0.527 UJ	0.593 UJ	0.593 UT	2.29 UJ	2.29 UJ	2.29 UJ	2.29 UJT	2.29 UJT	2.29 UJT	2.29 UJT
5002	WLCOFJ02500250020	0.42 UJ	0.498 UJ	0.56 UJ	0.56 UT	2.16 UJ	2.16 UJ	2.16 UJ	2.16 UJT	2.16 UJT	2.16 UJT	2.16 UJT
5003	WLCOFJ02500350030	5.56 J	4.97 J	3.02 J	13.55 T	3.07 UJ	3.07 UJ	3.07 UJ	13.6 JT	5.56 JT	4.97 JT	3.02 JT
5004	WLCOFJ02500450040	3.72 J	0.541 UJ	3.96 J	7.68 T	2.35 UJ	2.35 UJ	2.35 UJ	7.68 JT	3.72 JT	2.35 UJT	3.96 JT
5005	WLCOFJ02500550050	0.463 UJ	0.548 UJ	0.617 UJ	0.617 UT	2.38 UJ	2.38 UJ	2.38 UJ	2.38 UJT	2.38 UJT	2.38 UJT	2.38 UJT
5006	WLCOFJ02500650060	6.09 J	3.79 J	0.735 UJ	9.88 T	2.84 UJ	2.84 UJ	2.84 UJ	9.88 JT	6.09 JT	3.79 JT	2.84 UJT
5201	WLCOFJ02520152010	0.414 U	0.49 U	0.551 U	0.551 UT	2.13 U	2.13 U	2.13 U	2.13 UT	2.13 UT	2.13 UT	2.13 UT
5202	WLCOFJ02520252020	6.91	2.06 J	0.726 U	8.97 T	3.88 J	2.8 U	2.8 U	12.9 JT	10.8 JT	2.06 JT	2.8 UT
5203	WLCOFJ02520352030	0.598 U	2.14 J	0.797 U	2.14 T	3.08 U	3.08 U	3.08 U	2.14 JT	3.08 UT	2.14 JT	3.08 UT
52A01	WLCOFJ0252A0152A010	0.403 U	0.477 U	0.537 U	0.537 UT	2.07 U	2.07 U	2.07 U	2.07 UT	2.07 UT	2.07 UT	2.07 UT
52A02	WLCOFJ0252A0252A020	0.501 U	0.593 U	2.79 J	2.79 T	4.45 J	2.58 U	2.58 U	7.24 JT	4.45 JT	2.58 UT	2.79 JT
52A03	WLCOFJ0252A0352A030	5.67 U	5.67 U	7.67	7.67 T	5.67 U	5.67 U	5.67 U	7.67 T	5.67 UT	5.67 UT	7.67 T
52A04	WLCOFJ0252A0452A040	3.77 J	2.76 J	6.69	13.22 T	3.26 U	3.26 U	3.26 U	13.2 JT	3.77 JT	2.76 JT	6.69 T
52A05	WLCOFJ0252A0552A050	12.4 J	3.74 J	3.6 J	19.74 T	8.49 J	2.58 UJ	2.58 UJ	28.2 JT	20.9 JT	3.74 JT	3.6 JT
52C01	WLCOFJ0252C0152C010	4.51 U	5.33 U	6 U	6 UT	23.2 U	23.2 U	23.2 U	23.2 UT	23.2 UT	23.2 UT	23.2 UT
52C02	WLCOFJ0252C0252C020	0.483 U	0.571 U	0.643 U	0.643 UT	2.48 U	2.48 U	2.48 U	2.48 UT	2.48 UT	2.48 UT	2.48 UT
52C03	WLCOFJ0252C0352C030	0.485 U	0.574 U	0.646 U	0.646 UT	2.49 U	2.49 U	2.49 U	2.49 UT	2.49 UT	2.49 UT	2.49 UT
52C04	WLCOFJ0252C0452C040	0.469 U	0.555 U	0.625 U	0.625 UT	2.41 U	2.41 U	2.41 U	2.41 UT	2.41 UT	2.41 UT	2.41 UT
52C05	WLCOFJ0252C0552C050	4.49 UT	5.31 UT	5.98 UT	5.98 UT	23.1 UT	23.1 UT	23.1 UT	23.1 UT	23.1 UT	23.1 UT	23.1 UT
5301	WLCOFJ02530153010	0.605 UJ	0.716 UJ	0.806 UJ	0.806 UT	3.11 UJ	3.11 UJ	3.11 UJ	3.11 UJT	3.11 UJT	3.11 UJT	3.11 UJT
5302	WLCOFJ02530253020	0.421 UJ	0.498 UJ	0.561 UJ	0.561 UT	2.17 UJ	2.17 UJ	2.17 UJ	2.17 UJT	2.17 UJT	2.17 UJT	2.17 UJT
5303	WLCOFJ02530353030	0.499 UJ	0.591 UJ	0.665 UJ	0.665 UT	2.57 UJ	2.57 UJ	2.57 UJ	2.57 UJT	2.57 UJT	2.57 UJT	2.57 UJT
5304	WLCOFJ02530453040	0.524 UJ	0.62 UJ	0.698 UJ	0.698 UT	2.69 UJ	2.69 UJ	2.69 UJ	2.69 UJT	2.69 UJT	2.69 UJT	2.69 UJT

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
5305	WLCOFJ02530553050	0.508 UJ	0.601 UJ	0.677 UJ	0.677 UT	2.61 UJ	2.61 UJ	2.61 UJ	2.61 UJT	2.61 UJT	2.61 UJT	2.61 UJT
M0201	WLCOFJ02M0201M2010	4.72 U	4.72 U	4.72 U	4.72 UT	4.72 U	4.72 U	4.72 U	4.72 UT	4.72 UT	4.72 UT	4.72 UT
M0202	WLCOFJ02M0202M2020	0.481 U	0.569 U	0.641 U	0.641 UT	2.47 U	2.47 U	2.47 U	2.47 UT	2.47 UT	2.47 UT	2.47 UT
M02031	WLCOFJ02M02031M2031	0.475 U	0.562 U	0.633 U	0.633 UT	2.44 U	2.44 U	2.44 U	2.44 UT	2.44 UT	2.44 UT	2.44 UT
M0203	WLCOFJ02M0203M2030	3.22 J	0.512 U	0.576 U	3.22 T	2.22 U	2.22 U	2.22 U	3.22 JT	3.22 JT	2.22 UT	2.22 UT
M0204	WLCOFJ02M0204M2040	0.465 U	0.55 U	0.62 U	0.62 UT	2.39 U	2.39 U	2.39 U	2.39 UT	2.39 UT	2.39 UT	2.39 UT
M0205	WLCOFJ02M0205M2050	0.61 U	0.722 U	0.813 U	0.813 UT	3.14 U	3.14 U	3.14 U	3.14 UT	3.14 UT	3.14 UT	3.14 UT
M0301	WLCOFJ02M0301M3010	40.6 J	14.2 UJ	48 J	88.6 T	61.8 UJ	61.8 UJ	61.8 UJ	88.6 JT	40.6 JT	61.8 UJT	48 JT
M0302	WLCOFJ02M0302M3020	0.492 U	0.583 U	0.656 U	0.656 UT	2.53 U	2.53 U	2.53 U	2.53 UT	2.53 UT	2.53 UT	2.53 UT
M0303	WLCOFJ02M0303M3030	5.04 UJ	5.97 UJ	6.72 UJ	6.72 UT	25.9 UJ	25.9 UJ	25.9 UJ	25.9 UJT	25.9 UJT	25.9 UJT	25.9 UJT
M0304	WLCOFJ02M0304M3040	1.85 J	0.676 U	0.761 U	1.85 T	3.82 J	2.94 U	2.94 U	5.67 JT	5.67 JT	2.94 UT	2.94 UT
M0305	WLCOFJ02M0305M3050	0.524 U	0.62 U	0.698 U	0.698 UT	2.7 U	2.7 U	2.7 U	2.7 UT	2.7 UT	2.7 UT	2.7 UT
S0201	WLCOFJ02S0201S2010	0.498 U	0.59 U	0.664 U	0.664 UT	2.56 U	2.56 U	2.56 U	2.56 UT	2.56 UT	2.56 UT	2.56 UT
S0202	WLCOFJ02S0202S2020	0.485 U	0.574 U	0.646 U	0.646 UT	2.49 U	2.49 U	2.49 U	2.49 UT	2.49 UT	2.49 UT	2.49 UT
S0203	WLCOFJ02S0203S2030	0.415 U	0.491 U	0.552 U	0.552 UT	2.13 U	2.13 U	2.13 U	2.13 UT	2.13 UT	2.13 UT	2.13 UT
S0204	WLCOFJ02S0204S2040	0.515 UJ	0.609 UJ	0.686 UJ	0.686 UT	2.65 UJ	2.65 UJ	2.65 UJ	2.65 UJT	2.65 UJT	2.65 UJT	2.65 UJT
S0205	WLCOFJ02S0205S2050	0.447 UJ	0.529 UJ	0.595 UJ	0.595 UT	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJT	2.3 UJT	2.3 UJT	2.3 UJT
S0501	WLCOFJ02S0501S5010	0.445 UJ	0.527 UJ	3.48 J	3.48 T	2.29 UJ	2.29 UJ	2.29 UJ	3.48 JT	2.29 UJT	2.29 UJT	3.48 JT
S0502	WLCOFJ02S0502S5020	0.737 UJ	0.872 UJ	0.981 UJ	0.981 UT	3.79 UJ	3.79 UJ	3.79 UJ	3.79 UJT	3.79 UJT	3.79 UJT	3.79 UJT
S0503	WLCOFJ02S0503S5030	0.419 UJT	0.496 UJT	0.558 UJT	0.558 UT	2.15 UJT	2.15 UJT	2.15 UJT	2.15 UJT	2.15 UJT	2.15 UJT	2.15 UJT
S0504	WLCOFJ02S0504S5040	0.455 UJ	0.538 UJ	0.606 UJ	0.606 UT	2.34 UJ	2.34 UJ	2.34 UJ	2.34 UJT	2.34 UJT	2.34 UJT	2.34 UJT
S0505	WLCOFJ02S0505S5050	0.423 UJ	0.5 UJ	0.563 UJ	0.563 UT	2.17 UJ	2.17 UJ	2.17 UJ	2.17 UJT	2.17 UJT	2.17 UJT	2.17 UJT
S0506	WLCOFJ02S0506S5060	0.487 UJ	0.577 UJ	0.649 UJ	0.649 UT	2.51 UJ	2.51 UJ	2.51 UJ	2.51 UJT	2.51 UJT	2.51 UJT	2.51 UJT
S0507	WLCOFJ02S0507S5070	0.564 UJ	0.668 UJ	0.752 UJ	0.752 UT	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJT	2.9 UJT	2.9 UJT	2.9 UJT
S0601	WLCOFJ02S0601S6010	0.698 U	0.826 U	0.93 U	0.93 UT	3.59 U	3.59 U	3.59 U	3.59 UT	3.59 UT	3.59 UT	3.59 UT
SVS18COMP	WLCRIJ9918COMP18COMP	0.2 J	0.3 J	0.3 J	0.8 T							
CZ01	WLCRIJ99CZ01CZ01	0.4 J	0.6 J	0.4 J	1.4 T							
CZ02	WLCRIJ99CZ02CZ02	0.4 J	0.6 J	0.7 J	1.7 T							
CZ03	WLCRIJ99CZ03CZ03	0.7 J	1 J	1 J	2.7 T							
CZ03	WLCRIJ99CZ03CZ031	0.5 J	0.8 J	0.8 J	2.1 T							
CZ04	WLCRIJ99CZ04CZ04	0.3 J	0.7 J	2 U	1 T							
CZ05	WLCRIJ99CZ05CZ05	0.3 J	0.5 J	2 U	0.8 T							
CZ06	WLCRIJ99CZ06CZ06	0.5 J	0.6 J	0.3 J	1.4 T							
CZ07	WLCRIJ99CZ07CZ07	0.9 J	0.8 J	0.7 J	2.4 T							
CZ08	WLCRIJ99CZ08CZ08	0.5 J	0.5 J	0.6 J	1.6 T							
SVS18R1	WLCRIJ99VS18R1VS18R1	0.5 J	0.8 J	0.7 J	2 T							
SVS18R2	WLCRIJ99VS18R2VS18R2	1 J	1 J	0.6 J	2.6 T							
HC-REFA	WLCRIL99HCREFAHCREFA	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-REFB	WLCRIL99HCREFBHCREFB	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-REFC	WLCRIL99HCREFCHCREFC	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS02	WLCRIL99HCSS02HCSS02	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS03	WLCRIL99HCSS03HCSS03	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS04	WLCRIL99HCSS04HCSS04	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS05	WLCRIL99HCSS05CSS100	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS05	WLCRIL99HCSS05HCSS05	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS06	WLCRIL99HCSS06HCSS06	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS07	WLCRIL99HCSS07HCSS07	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS08	WLCRIL99HCSS08HCSS08	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS09	WLCRIL99HCSS09HCSS09	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS10	WLCRIL99HCSS10HCSS10	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS11	WLCRIL99HCSS11HCSS11	3.3 U	2.6	6.7 U	2.6 T							
HC-SS12	WLCRIL99HCSS12HCSS12	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS13	WLCRIL99HCSS13HCSS13	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS14	WLCRIL99HCSS14HCSS14	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS15	WLCRIL99HCSS15CSS102	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS15	WLCRIL99HCSS15HCSS15	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS16	WLCRIL99HCSS16HCSS16	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS17	WLCRIL99HCSS17HCSS17	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS18	WLCRIL99HCSS18HCSS18	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS19	WLCRIL99HCSS19HCSS19	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS20	WLCRIL99HCSS20HCSS20	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS22	WLCRIL99HCSS22HCSS22	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS23	WLCRIL99HCSS23HCSS23	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS24	WLCRIL99HCSS24HCSS24	3.3 U	2.3 U	6.7 U	6.7 UT							

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
HC-SS25	WLCRIL99HCSS25HCSS25	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS26	WLCRIL99HCSS26HCSS26	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS28	WLCRIL99HCSS28HCSS28	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS29	WLCRIL99HCSS29HCSS29	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS30	WLCRIL99HCSS30HCSS30	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS31	WLCRIL99HCSS31HCSS31	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS32	WLCRIL99HCSS32CSS103	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS32	WLCRIL99HCSS32HCSS32	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS33	WLCRIL99HCSS33HCSS33	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS34	WLCRIL99HCSS34CSS101	3.3 U	2.3 U	6.7 U	6.7 UT							
HC-SS34	WLCRIL99HCSS34HCSS34	3.3 U	2.3 U	6.7 U	6.7 UT							
G05	WLCRIV99G05G05S00	3.3 U	2.3 U	6.7 U	6.7 UT							
G06A	WLCRIV99G06A06AS02	3.3 U	2.3 U	6.7 U	6.7 UT							
PA01	WLCRIV99PA01PA01	0.4 J	0.5 J	2 U	0.9 T							
PA02	WLCRIV99PA02PA02	0.5 J	0.6 J	2 U	1.1 T							
PA03	WLCRIV99PA03PA03	0.5 J	0.8 J	1 J	2.3 T							
PA04	WLCRIV99PA04PA04	0.5 J	0.6 J	0.6 J	1.7 T							
GRAB-01	WLCT0I98GRAB01GRAB01	3.3 U	3.5	6.7 U	3.5 T							
GRAB-02	WLCT0I98GRAB02GRAB02	3.3 U	2.5	13	15.5 T							
GRAB-03	WLCT0I98GRAB03GRAB03	3.3 U	2.3 U	6.7 U	6.7 UT							
GRAB-04	WLCT0I98GRAB04GRAB04	11	5.9	49	65.9 T							
GRAB-05	WLCT0I98GRAB05GRAB05	14	2.3 U	11	25 T							
GRAB-06	WLCT0I98GRAB06GRAB06	3.3 U	2.3 U	6.7 U	6.7 UT							
GRAB-07	WLCT0I98GRAB07GRAB07	3.3 U	3.8	6.7 U	3.8 T							
GRAB-08	WLCT0I98GRAB08GRAB08	3.3 U	2.4	6.7 U	2.4 T							
GRAB-09	WLCT0I98GRAB09GRAB09	2 U	2 U	2 U	2 UT							
GRAB-10	WLCT0I98GRAB10GRAB10	2 U	2 U	2 U	2 UT							
GRAB-11	WLCT0I98GRAB11GRAB11	2 U	3	2 U	3 T							
GRAB-12	WLCT0I98GRAB12GRAB12	2 U	2 U	2 U	2 UT							
T1S-01	WLCT1F00T1S01T1S01	1.5	3.7	1 U	5.2 T							
T1S-02	WLCT1F00T1S02T1S02	1.8	2.3	1.2	5.3 T							
T1S-03	WLCT1F00T1S03T1S03	1.7	2.7	1 U	4.4 T							
T1S-04	WLCT1F00T1S04T1S04	1 U	2.4	2.5	4.9 T							
T1S-05	WLCT1F00T1S05T1S05	1.7	2.4	1 U	4.1 T							
T1S-06	WLCT1F00T1S06T1S06	1.7	2.3	1.1	5.1 T							
T1S-07	WLCT1F00T1S07T1S07	1 U	1.8	1 U	1.8 T							
T1S-08	WLCT1F00T1S08T1S08	1.5	2.3	1	4.8 T							
T1S-09	WLCT1F00T1S09T1S09	1.4	2.2	3.1	6.7 T							
T4-UP01	WLCT4C04UP01UP0101	8.8	3.2 U	4.2	13 T	5.7	0.95 U	1.2 U	18.7 T	14.5 T	3.2 UT	4.2 T
T4-UP02	WLCT4C04UP02UP0201	0.42 U	0.21 J	0.84	1.05 T	0.42 U	0.42 U	0.42 U	1.05 JT	0.42 UT	0.21 JT	0.84 T
T4-UP03	WLCT4C04UP03UP03	0.4 U	0.4 U	0.39 J	0.39 T	0.4 U	0.4 U	0.4 U	0.39 JT	0.4 UT	0.4 UT	0.39 JT
T4-UP04	WLCT4C04UP04UP04	0.39 J	0.32 J	1.4	2.11 T	0.4 U	0.4 U	0.58 J	2.69 JT	0.39 JT	0.32 JT	1.98 JT
T4-UP05	WLCT4C04UP05UP05	0.55	0.4 U	1.6	2.15 T	0.4 U	0.15 J	0.22 J	2.52 JT	0.55 T	0.15 JT	1.82 JT
T4-UP06	WLCT4C04UP06UP0601	2.4 J	3.3	6.6 J	12.3 T	1.8 J	1.1 U	0.73 U	14.1 JT	4.2 JT	3.3 T	6.6 JT
T4-UP07	WLCT4C04UP07UP0701	3.8	2.7	3.3 J	9.8 T	3.4 J	0.54 U	0.91 U	13.2 JT	7.2 JT	2.7 T	3.3 JT
T4-UP08	WLCT4C04UP08UP0801	0.43 U	0.43 U	0.37 J	0.37 T	0.43 U	0.43 U	0.2 J	0.57 JT	0.43 UT	0.43 UT	0.57 JT
T4-UP10	WLCT4C04UP10UP1001	2	1.4	0.47 U	3.4 T	1.3	0.47 U	0.47 U	4.7 T	3.3 T	1.4 T	0.47 UT
T4-UP12	WLCT4C04UP12UP1201	0.65	0.27 J	0.4 U	0.92 T	0.55 U	0.4 U	0.4 U	0.92 JT	0.65 T	0.27 JT	0.4 UT
T4-UP13	WLCT4C04UP13UP1301	4 U	4 U	4.4	4.4 T	4.5 U	4 U	4 U	4.4 T	4.5 UT	4 UT	4.4 T
T4-UP14	WLCT4C04UP14UP14	13	3.4 J	14	30.4 T	4.7	4 U	4 U	35.1 JT	17.7 T	3.4 JT	14 T
T4-VC01	WLCT4C04VC01VC0101	4.7	7 J	12 J	23.7 T	2.1 U	0.15 J	5.1	29 JT	4.7 T	7.15 JT	17.1 JT
T4-VC02	WLCT4C04VC02VC0201	4.5	3.8 J	3.1 J	11.4 T	4.1 U	4.1 U	4.1 U	11.4 JT	4.5 T	3.8 JT	3.1 JT
T4-VC03	WLCT4C04VC03VC0301	1.8	2.7	0.4 U	4.5 T	1.1 J	0.4 U	0.4 U	5.6 JT	2.9 JT	2.7 T	0.4 UT
T4-VC04	WLCT4C04VC04VC0401	1.6	2.7	0.4 U	4.3 T	1.4 J	0.4 U	0.43	6.13 JT	3 JT	2.7 T	0.43 T
T4-VC05	WLCT4C04VC05VC0501	3.4	4.6	2.5	10.5 T	1.8 J	0.21 J	0.88 U	12.5 JT	5.2 JT	4.81 JT	2.5 T
T4-VC06	WLCT4C04VC06VC0601	2.9	3.1	5.8	11.8 T	2.7 J	0.4 U	2.1 U	14.5 JT	5.6 JT	3.1 T	5.8 T
T4-VC07	WLCT4C04VC07VC0701	2.1	2.3	2.8 J	7.2 T	2.4 J	0.53 U	0.69 J	10.3 JT	4.5 JT	2.3 T	3.49 JT
T4-VC08	WLCT4C04VC08VC0801	1.8	2.4	2.7	6.9 T	2.5 J	0.4 U	1.5 J	10.9 JT	4.3 JT	2.4 T	4.2 JT
T4-VC09	WLCT4C04VC09VC0901	4.1	4.8	5.6	14.5 T	3.6 J	0.64 U	2.1 U	18.1 JT	7.7 JT	4.8 T	5.6 T
T4-VC10	WLCT4C04VC10VC1001	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC11	WLCT4C04VC11VC1101	2.1	3	0.4 U	5.1 T	1.6 J	0.4 U	0.28 J	6.98 JT	3.7 JT	3 T	0.28 JT
T4-VC12	WLCT4C04VC12VC1201	1.7	2.8	0.54 U	4.5 T	2.3 U	0.53 U	0.53 J	5.03 JT	1.7 T	2.8 T	0.53 JT
T4-VC13	WLCT4C04VC13VC1301	0.4 U	0.4 U	65	65 T	9.5	0.4 U	7.1 U	74.5 T	9.5 T	0.4 UT	65 T
T4-VC14	WLCT4C04VC14VC1401	0.33 J	0.4 U	0.83	1.16 T	0.4 U	0.095 J	0.4 U	1.26 JT	0.33 JT	0.095 JT	0.83 T

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
T4-VC15	WLCT4C04VC15VC1501	3.1	4.7	5.7	13.5 T	4.4 J	0.59 U	2.5 J	20.4 JT	7.5 JT	4.7 T	8.2 JT
T4-VC16	WLCT4C04VC16VC1601	2.8	3.1	9.1 J	15 T	4.2 J	0.41 U	2.1 J	21.3 JT	7 JT	3.1 T	11.2 JT
T4-VC17	WLCT4C04VC17VC1701	2	3.1	0.45 U	5.1 T	1.2	0.4 U	0.44	6.74 T	3.2 T	3.1 T	0.44 T
T4-VC18	WLCT4C04VC18VC1801	3.3	4.9	4.7 J	12.9 T	1.8 J	0.4 U	1.2 U	14.7 JT	5.1 JT	4.9 T	4.7 JT
T4-VC19	WLCT4C04VC19VC1901	2	2.9	0.88 U	4.9 T	1.6 J	0.73 U	0.39 U	6.5 JT	3.6 JT	2.9 T	0.88 UT
T4-VC20	WLCT4C04VC20VC2001	2.2	2.6	4.9	9.7 T	0.64 U	0.41 U	0.41 U	9.7 T	2.2 T	2.6 T	4.9 T
T4-VC21	WLCT4C04VC21VC2101	2.4	2.5	31	35.9 T	0.61 J	0.42 U	0.86 U	36.5 JT	3.01 JT	2.5 T	31 T
T4-VC22	WLCT4C04VC22VC2201	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC23	WLCT4C04VC23VC2301	2	2.1	1.8 J	5.9 T	1.1	0.44 U	1.1 J	8.1 JT	3.1 T	2.1 T	2.9 JT
T4-VC24	WLCT4C04VC24VC2401	5.6	6	6.5	18.1 T	3	0.72 U	0.84 U	21.1 T	8.6 T	6 T	6.5 T
T4-VC25	WLCT4C04VC25VC2501	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC26	WLCT4C04VC26V2601	2.5	3.5	2 J	8 T	1.2	0.4 U	0.74	9.94 JT	3.7 T	3.5 T	2.74 JT
T4-VC27	WLCT4C04VC27VC2701	2 J	0.64 J	0.63	3.27 T	1.2	0.3 J	0.49 U	4.77 JT	3.2 JT	0.94 JT	0.63 T
T4-VC28	WLCT4C04VC28VC2801	0.4 U	0.26 J	0.4 U	0.26 T	0.31 J	0.4 U	0.4 U	0.57 JT	0.31 JT	0.26 JT	0.4 UT
T4-VC29	WLCT4C04VC29VC2901	3.4	2.2	2.8 J	8.4 T	2.4	0.75	0.63 U	11.6 JT	5.8 T	2.95 T	2.8 JT
T4-VC30	WLCT4C04VC30VC3001	2.8	3.8	1.4 J	8 T	1.5	0.4 U	0.36 J	9.86 JT	4.3 T	3.8 T	1.76 JT
T4-VC31	WLCT4C04VC31VC3101	3.1	3.7	2.1 J	8.9 T	1.8	0.4 U	0.61 J	11.3 JT	4.9 T	3.7 T	2.71 JT
T4-VC32	WLCT4C04VC32VC3201	5.4	2.9	9.8	18.1 T	2.8	0.93 U	1.4 J	22.3 JT	8.2 T	2.9 T	11.2 JT
HC-S-16	WLCT4J98HCS16HCS16	8 G	5 G	26 G	39 T							
HC-S-28	WLCT4J98HCS28HCS28	8 G	5 G	10 G	23 T							
HC-S-36	WLCT4J98HCS36HCS36	3 G	2 G	20 UG	5 T							
HC-S-39	WLCT4J98HCS39HCS39	1 G	3 G	3 G	7 T							
HC-S-43	WLCT4J98HCS43HCS43	8 G	20 UG	10 G	18 T							
HC01	WLLRSH01HC01HC01	1.4 U	1.4 U	1.4 U	1.4 UT							
HC02	WLLRSH01HC02HC02	1.5 U	1.5 U	1.5 U	1.5 UT							
HC03	WLLRSH01HC03HC03	1.8 U	1.8 U	1.8 U	1.8 UT							
HC04	WLLRSH01HC04HC04	2 U	2 U	2 U	2 UT							
HC05	WLLRSH01HC05HC05	1.5 U	1.5 U	1.5 U	1.5 UT							
HC07	WLLRSH01HC07HC07	1.3 U	1.3 U	1.3 U	1.3 UT							
HC08	WLLRSH01HC08HC08	1.9 U	1.9 U	1.9 U	1.9 UT							
HC09	WLLRSH01HC09HC09	1.7 U	1.7 U	1.7 U	1.7 UT							
HC10	WLLRSH01HC10HC10	2 U	2 U	2 U	2 UT							
HC02	WLLRSI01HC02HC02	1.6 U	1.6 U	0.73 JP	0.73 T							
HC08	WLLRSI01HC08HC08	0.99 JP	0.76 J	1.4 JP	3.15 T							
HC10	WLLRSI01HC10HC10	0.77 J	0.8 J	13	14.57 T							
C12/13/14	WLR0797121314WRBC12	2	0.7	0.2	2.9 T							
C26/27/28	WLR0797262728WRBC26	1.3	0.7	1.9	3.9 T							
C16/17	WLR0797C1617WRBC16	1	1	1	3 T							
WR-BC-01	WLR0797WRBC01WRA	0.2	2 U	2 U	0.2 T							
WR-BC-01	WLR0797WRBC01WRBC01	2 U	2 U	2 U	2 UT							
WR-BC-07	WLR0797WRBC07WRBC07	1	2	2 U	3 T							
WR-BC-08	WLR0797WRBC08WRBC08	1	2	2 U	3 T							
WR-BC-09	WLR0797WRBC09WRBC09	1	1	0.3	2.3 T							
WR-BC-10	WLR0797WRBC10WRB	2	2	2 U	4 T							
WR-BC-10	WLR0797WRBC10WRBC10	2	2	0.3	4.3 T							
WR-BC-15	WLR0797WRBC15WRBC15	1	1	1	3 T							
WR-BC-20	WLR0797WRBC20WRBC20	2	0.7	2	4.7 T							
WR-BC-21	WLR0797WRBC21WRBC21	3.3	2 U	14	17.3 T							
WR-BC-22	WLR0797WRBC22WRBC22	2 U	2 U	1.7	1.7 T							
WR-BC-23	WLR0797WRBC23WRBC23	2 U	2 U	1.7	1.7 T							
WR-BC-29	WLR0797WRBC29WRBC29	2.4	3	2.1	7.5 T							
WR-BC-29	WLR0797WRBC29WRC	2.2	2.2	3.4	7.8 T							
WR-BC-36	WLR0797WRBC36WRBC36	1.4	2.5	0.9	4.8 T							
OSS001	WLRELF99OSS001SD0001	115	54	1250 J	1419 T							
OSS002	WLRELF99OSS002SD0006	3400	509	81000	84909 T							
OSS003	WLRELF99OSS003SD0021	49	10 U	17	66 T							
OSS004	WLRELF99OSS004SD0011	11000	1480	18000	30480 T							
OSS005	WLRELF99OSS005SD0024	194	32	360	586 T							
OSS006	WLRELF99OSS006SD0016	2300	522	10000	12822 T							
RB1	WLRELF99RB1SD1001	66	73	320	459 T							
RB2	WLRELF99RB2SD1003	100	130	700	930 T							
RB3	WLRELF99RB3SD1005	84 L	150 L	2400 L	2634 T							
RB4	WLRELF99RB4SD1007	10 U	34	410	444 T							
RB5	WLRELF99RB5SD1009	10 U	23	34	57 T							

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Table C2-6. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
RB6	WLRELF99RB6SD1011	26 J	11 J	64	101 T							
RB6	WLRELF99RB6SD1013	10 U	50 J	62	112 T							
GATX-SD1	WLRWTF98ATXSD1ATXSD1	3.35 U	3.35 U	3.35 U	3.35 UT							
GATX-SD1	WLRWTF98ATXSD1TXSD1D	3.35 U	3.35 U	3.35 U	3.35 UT							
GATX-SD2	WLRWTF98ATXSD2ATXSD2	3.35 U	3.35 U	3.35 U	3.35 UT							
GATX-SD2	WLRWTF98ATXSD2TXSD2D	3.35 U	3.35 U	3.35 U	3.35 UT							
GATX-SD3	WLRWTF98ATXSD3ATXSD3	10.6	3.35 U	3.35 U	10.6 T							
GATX-SD4	WLRWTF98ATXSD4ATXSD4	6.7 U	6.7 U	3.35 U	6.7 UT							
GATX-SD5	WLRWTF98ATXSD5ATXSD5	6.7 U	6.7 U	3.35 U	6.7 UT							
CHEV-SD2	WLRWTF98HEVSD2HEVSD2	3.35 U	3.35 U	3.35 U	3.35 UT							
CHEV-SD3	WLRWTF98HEVSD3HEVSD3	3.35 U	3.35 U	3.35 U	3.35 UT							
SD001	WR-WSI98SD0010	5.8 J	1.6 J	2 U	7.4 T							
SD004	WR-WSI98SD0040	1.1 J	0.84 J	1 J	2.94 T							
SD011	WR-WSI98SD0110	7.3 J	2.7	15	25 T							
SD012	WR-WSI98SD0120	1.4 J	1.9 U	1.9 U	1.4 T							
SD020	WR-WSI98SD0200	1.4 J	1.2 J	1.9 J	4.5 T							
SD021	WR-WSI98SD0210000CC	3.4 T	2.4 T	4.6 T	10.4 T							
SD034	WR-WSI98SD0340	1.9 UJ	1.2 J	1.9 UJ	1.2 T							
SD035	WR-WSI98SD0350	1.1 J	1.4 J	1.4 J	3.9 T							
SD048	WR-WSI98SD0480000CC	3.05 T	1.9 UT	5.2 T	8.25 T							
SD049	WR-WSI98SD0490	1.6 J	1.9 U	1.7 J	3.3 T							
SD055	WR-WSI98SD0550	2.6	2 U	3.9	6.5 T							
SD057	WR-WSI98SD0570	4.1	2.4	11	17.5 T							
SD058	WR-WSI98SD0580	1.7 J	2 U	2.4	4.1 T							
SD066	WR-WSI98SD0660	4.8 J		2.7 J	7.5 T							
SD070	WR-WSI98SD0700000CC	12.5 T	7.35 T	25.5 T	45.4 T							
SD072	WR-WSI98SD0720	22	5.3	60	87.3 T							
SD074	WR-WSI98SD0740	45	4.7 J	320	369.7 T							
SD075	WR-WSI98SD0750	81	13	76	170 T							
SD077	WR-WSI98SD0770	100	38 U	63	163 T							
SD078	WR-WSI98SD0780	100	95 U	280	380 T							
SD080	WR-WSI98SD0800	110	96 U	470	580 T							
SD081	WR-WSI98SD0810	76 J	99 U	490	566 T							
SD083	WR-WSI98SD0830	120	97 U	620	740 T							
SD084	WR-WSI98SD0840	59 J	98 U	620	679 T							
SD085	WR-WSI98SD0850	110	26	370	506 T							
SD087	WR-WSI98SD0870	110	100 U	810	920 T							
SD088	WR-WSI98SD0880	100 J	190 U	930	1030 T							
SD090	WR-WSI98SD0900	160 J	200 U	2100	2260 T							
SD092	WR-WSI98SD0920000CC	375 T	20 JT	280 T	525 T							
SD093	WR-WSI98SD0930	16 J	19 U	70	86 T							
SD096	WR-WSI98SD0960	2 U	2.9 UI	5.3 UI	5.3 UT							
SD097	WR-WSI98SD0970	420	220	3100	3740 T							
SD116	WR-WSI98SD1160	1.6 J	2.3	1.6 J	5.5 T							
SD117	WR-WSI98SD1170000CC	3.3 JT	2 JT	3.25 JT	8.55 T							
SD137	WR-WSI98SD1370000CC	1.3 JT	1.65 JT	1.5 JT	3.05 T							
SD138	WR-WSI98SD1380	1.1 J	1.4 J	1.4 J	3.9 T							
SD141	WR-WSI98SD1410000CC	49.9 JT	1.7 JT	54 T	77.7 T							
SD150	WR-WSI98SD1500	1.7 U	1.7 U	2.6 UI	2.6 UT							
SD151	WR-WSI98SD1510000CC	19 UT	19 UT	19 UT	19 UT							

Notes:
I - the MRL/MDL has been elevated due to a chromatographic interference.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40%.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
B001	LW2-B001	0.0339 U	0.0214 U	0.0184 U	0.0425 U	0.037 U	0.0425 UT
B002	LW2-B002	0.0323 U	0.0204 U	0.0175 U	0.0404 U	0.0352 U	0.0404 UT
B003	LW2-B003	0.0355 U	0.0224 U	0.0192 U	0.0445 U	0.0387 U	0.0445 UT
B004	LW2-B004	0.0331 U	0.0209 U	0.0179 U	0.0414 U	0.0361 U	0.0414 UT
B005	LW2-B005	0.032 U	0.0202 U	0.0173 U	0.04 U	0.0349 U	0.04 UT
B006	LW2-B006	0.0309 U	0.0195 U	0.0167 U	0.0387 U	0.0337 U	0.0387 UT
B007	LW2-B007	0.035 U	0.0221 U	0.0189 U	0.0438 U	0.0381 U	0.0438 UT
B008	LW2-B008	0.0285 U	0.018 U	0.0155 U	0.0357 U	0.0311 U	0.0357 UT
B009	LW2-B009	0.03 U	0.0189 U	0.0162 U	0.0376 U	0.0327 U	0.0376 UT
B010	LW2-B010	0.381 J	0.299 J	0.0194 U	0.618 NJ	0.0391 U	1.3 JT
B011	LW2-B011	0.0283 U	0.0179 U	0.0153 U	0.0354 U	0.0308 U	0.0354 UT
B012	LW2-B012	0.0302 U	0.0191 U	0.0163 U	0.0378 U	0.0329 U	0.0378 UT
B015	LW2-B015	0.0281 U	0.0177 U	0.0152 U	0.0352 U	0.0306 U	0.0352 UT
B016	LW2-B016	0.03 U	0.019 U	0.0162 U	0.0376 U	0.0327 U	0.0376 UT
B017	LW2-B017	0.0314 UJ	0.044 NJ	0.017 UJ	0.0393 UJ	0.0342 UJ	0.044 JT
B018	LW2-B018	0.0296 UJ	0.206 NJ	0.016 UJ	0.0371 UJ	1.26 NJ	1.47 JT
B019	LW2-B019	0.0299 U	0.036 J	0.0162 U	0.0375 U	0.0326 U	0.036 JT
B020	LW2-B020	0.0332 U	0.021 U	0.018 U	0.158 NJ	0.0362 U	0.158 JT
B021	LW2-B021	0.0281 U	0.0177 U	0.0152 U	0.0351 U	0.0306 U	0.0351 UT
B022-1	LW2-B022-1	0.336 J	0.317 NJ	0.0187 U	0.649 NJ	0.0377 U	1.3 JT
B022-2	LW2-B022-2	0.0355 U	0.215 NJ	0.0192 U	0.0444 U	0.0387 U	0.215 JT
B023	LW2-B023	0.085 NJ	0.044 J	0.0158 U	0.0365 U	0.085 J	0.214 JT
B024	LW2-B024	1.85	3.09	0.0182 U	0.448 J	0.943 J	6.33 JT
B025-1	LW2-B025-1	0.0305 UT	0.0189 UT	0.0162 UT	0.0375 UT	0.0327 UT	0.0375 UT
B025-2	LW2-B025-2	0.194	0.0192 U	0.0165 U	0.0381 U	0.0332 U	0.194 T
B026	LW2-B026	0.567	0.654 NJ	0.0219 U	0.445 NJ	0.345 U	1.67 JT
B050	LW2-B050	0.146 U	0.0923 U	0.0791 U	0.615 J	3.3 NJ	3.92 JT
C060	LW2-C060-A	0.07 UJ	0.2 UJ	0.095 U	0.31 U	0.11 J	0.11 JT
C084	LW2-C084-A	0.39 U	1.5 U	0.12 U	0.29 U	0.62 U	1.5 UT
C087	LW2-C087-A	0.082 U	1.1 U	0.12 U	0.28 U	0.2 U	1.1 UT
C093	LW2-C093-A	0.544 U	0.344 U	0.295 U	3.98 J	0.594 U	3.98 JT
C094	LW2-C094-A	2 U	14 J	1.2 U	2.8 U	6.9 U	14 JT
C106	LW2-C106-A	0.22 UJ	0.78 J	0.23 U	0.35 U	0.3	1.08 JT
C109	LW2-C109-A	0.2 U	0.94	0.13 U	0.41 U	0.24	1.18 T
C138	LW2-C138-A	0.63 U	0.27 U	0.91 U	0.16 U	0.11 U	0.91 UT
C144	LW2-C144-A	0.2 U	0.44 J	0.14 U	0.39 J	0.063 U	0.83 JT
C158	LW2-C158-A	0.2 U	0.2 U	0.12 U	0.32 U	0.38 NJ	0.38 JT
C162	LW2-C162-A	0.2 UJ	0.26 UJ	0.12 U	0.34 U	0.17 J	0.17 JT
C167	LW2-C167-A	0.12 UJ	0.18 J	0.16 U	0.2 U	0.074 U	0.18 JT
C169	LW2-C169-A	0.16 U	0.097 U	0.13 U	0.19 U	0.17 J	0.17 JT
C171	LW2-C171-A	0.11 U	0.11 U	0.15 U	0.26 J	0.18 J	0.44 JT
C196	LW2-C196-A	0.23 UJ	0.47 UJ	0.59 NJ	0.73 U	0.045 U	0.59 JT
C290	LW2-C290-A	0.2 U	0.13 J	0.084 U	0.66 U	0.17 NJ	0.3 JT
C291	LW2-C291-A	0.16 U	0.2 U	0.16 U	0.33 U	0.19 J	0.19 JT
C299	LW2-C299-A	1.8 U	0.9 UJ	2.9 U	6.1 J	5 U	6.1 JT
C300-1	LW2-C300-A	0.51 U	2.7 J	0.47 J	1.9 U	0.053 U	3.17 JT
C312	LW2-C312-A	0.12 UJ	1.1 UJ	0.37 J	1.4 U	0.2 U	0.37 JT
C421	LW2-C421-A	0.089 U	5.5	0.14 U	2.3 U	0.55 U	5.5 T
C436	LW2-C436-A	0.11 U	0.45 J	0.22 U	0.35 U	0.18 U	0.45 JT
C440	LW2-C440-A	0.17 U	0.71	0.35	0.35 U	0.41 NJ	1.47 JT
C447	LW2-C447-A	0.64 J	1.6	0.2 NJ	1.4 U	0.38 J	2.82 JT
C448	LW2-C448-A	0.61 U	1.4 J	0.15 U	0.51 U	0.47	1.87 JT
C449	LW2-C449-A	0.13 UJ	0.96 J	0.17 U	0.12 U	0.35 J	1.31 JT
C522	LW2-C522-A	0.61 UJ	0.57 UJ	0.23 U	0.38 U	0.23 U	0.61 UJT
C523	LW2-C523-A	0.074 UJ	0.24 UJ	0.11 UJ	0.2 UJ	0.29 UJ	0.29 UJT
C524	LW2-C524-A	0.25 UJ	0.69 U	0.37 J	1.9 NJ	0.31 UJ	2.27 JT
C525	LW2-C525-A	5 U	16 UJ	8.2 NJ	31 NJ	7.9 U	39.2 JT
C527	LW2-C527-A	2.9 U	3.2 UJ	6.7 U	7.4 U	2.9 U	7.4 UT
C528	LW2-C528-A	0.2 U	0.47 UJ	0.54 U	1.2 U	0.28 U	1.2 UT
C529	LW2-C529-A	0.21 UJ	0.36 UJ	0.15 U	0.65 U	0.16 NJ	0.16 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
C530	LW2-C530-A	0.66 UJ	0.52 UJ	0.43 U	0.72 U	0.2 U	0.72 UT
C531	LW2-C531-A	0.79 UJ	1.2 UJ	0.6 U	1.5 J	0.79 U	1.5 JT
C532	LW2-C532-A	0.34 UJ	0.7 UJ	0.37 J	1.2 U	0.2 U	0.37 JT
C533	LW2-C533-A	0.29 UJ	0.81 J	0.34 U	3.1 NJ	0.53 UJ	3.91 JT
D1-1	LW2-D1-1	0.179 UT	0.234 UT	0.0307 UT	0.071 UJT	0.212 JT	0.212 JT
D1-2	LW2-D1-2	0.235 U	0.348 U	0.0332 U	0.0768 UJ	0.156 J	0.156 JT
D2	LW2-D2	0.0424 U	0.232 U	0.023 U	0.0531 UJ	0.053 J	0.053 JT
G001	LW2-G001	0.207 NJ	0.057 NJ	0.03 U	0.196 NJ	0.0605 U	0.46 JT
G002	LW2-G002	0.373 NJ	0.244 J	0.0333 U	0.0771 U	0.149 J	0.766 JT
G003	LW2-G003	0.198 J	0.0384 UJ	0.0329 UJ	0.0761 UJ	0.0663 UJ	0.198 JT
G004	LW2-G004	0.0517 U	0.087 NJ	0.028 U	0.0647 U	0.215 J	0.302 JT
G005	LW2-G005	0.0673 UJ	0.122 NJ	0.193 NJ	0.156 J	0.156 J	0.627 JT
G006	LW2-G006	0.0675 UJ	0.0427 UJ	0.0366 UJ	0.187 NJ	0.0736 UJ	0.187 JT
G007-1	LW2-G007-1	0.36 JT	0.0344 UJT	0.0295 UJT	0.0694 UJT	0.0594 UJT	0.36 JT
G007-2	LW2-G007-2	0.306 NJ	0.114 NJ	0.0321 UJ	0.268 J	0.157 J	0.845 JT
G008	LW2-G008	0.0672 UJ	0.0425 UJ	0.0364 UJ	0.0842 UJ	0.0733 UJ	0.0842 UJT
G009	LW2-G009	0.0382 U	0.0241 U	0.0207 U	1.41 J	0.0417 U	1.41 JT
G010	LW2-G010	0.0624 U	0.216 NJ	0.0338 UJ	0.312 NJ	0.068 U	0.528 JT
G011	LW2-G011	0.54 NJ	0.0283 U	0.0243 UJ	1.18 NJ	0.0489 U	1.72 JT
G012	LW2-G012	0.188 J	0.163 NJ	0.0296 UJ	0.172 NJ	0.0595 U	0.523 JT
G013	LW2-G013	0.0633 UJ	0.04 UJ	0.0343 UJ	0.0792 U	0.069 U	0.0792 UT
G014	LW2-G014	0.241 J	0.097 NJ	0.036 UJ	0.122 J	0.393 NJ	0.853 JT
G015	LW2-G015	0.0462 U	0.0292 U	0.025 U	1.22 NJ	0.0503 U	1.22 JT
G016	LW2-G016	0.215	0.723 NJ	0.0359 U	0.083 U	0.0723 U	0.938 JT
G017	LW2-G017	0.0554 U	0.035 U	0.03 U	2.15 NJ	0.0604 U	2.15 JT
G018	LW2-G018	0.372	0.689 J	0.0342 U	0.453 J	0.273 J	1.79 JT
G019	LW2-G019	0.0318 U	0.0201 U	0.0172 U	1.29 NJ	0.0347 U	1.29 JT
G020	LW2-G020	0.0576 U	0.0364 U	0.0312 U	2.17 NJ	0.0628 U	2.17 JT
G021	LW2-G021	0.0638 U	0.0403 U	0.0346 U	0.297 J	0.287	0.584 JT
G022	LW2-G022	0.0631 U	0.287 NJ	0.0342 U	0.344 NJ	0.303 J	0.934 JT
G023-1	LW2-G023-1	0.088 JT	0.0232 UJT	0.0199 UJT	0.0461 UJT	0.493 JT	0.581 JT
G023-2	LW2-G023-2	0.042 U	0.0266 UJ	0.0228 UJ	0.0526 UJ	0.0458 U	0.0526 UJT
G024	LW2-G024	0.177 J	0.152 NJ	0.0327 U	0.368 NJ	0.0658 U	0.697 JT
G025	LW2-G025	0.0327 U	0.0207 U	0.0177 U	0.95 NJ	0.0357 U	0.95 JT
G026	LW2-G026	0.0605 U	0.0382 U	0.0327 U	0.0757 U	0.233 NJ	0.233 JT
G027	LW2-G027	0.083 J	0.046 NJ	0.0188 U	0.161 J	0.0379 U	0.29 JT
G028	LW2-G028	0.579 J	0.706 J	0.028 U	0.584 J	0.796 J	2.67 JT
G029	LW2-G029	0.0461 U	0.433 NJ	0.0249 U	0.676 NJ	0.0502 U	1.11 JT
G030	LW2-G030	0.425 NJ	1.02 J	0.0348 U	0.516 NJ	0.0701 U	1.96 JT
G031	LW2-G031	0.208 J	0.08 J	0.0275 U	0.0635 U	0.182 J	0.47 JT
G032	LW2-G032	0.379 J	0.949 NJ	0.037 U	0.824 NJ	0.306 NJ	2.46 JT
G033	LW2-G033	0.083 J	0.045 NJ	0.0234 U	0.054 U	0.047 U	0.128 JT
G034	LW2-G034	0.372	0.339 NJ	0.0181 U	0.447 NJ	0.279	1.44 JT
G035	LW2-G035	0.227	0.26 NJ	0.0281 U	0.516 NJ	0.085 NJ	1.09 JT
G036	LW2-G036	0.065 U	0.312 NJ	0.0352 U	0.455 NJ	0.549 J	1.32 JT
G037	LW2-G037	0.0346 U	0.671 NJ	0.0187 U	0.451 NJ	0.0377 U	1.12 JT
G038	LW2-G038	0.199 U	0.126 U	0.108 U	0.25 U	0.217 U	0.25 UT
G039	LW2-G039	0.0607 U	0.95 J	0.0328 U	0.463 NJ	0.24 J	1.65 JT
G040	LW2-G040	0.0326 U	0.0206 U	0.0176 U	0.151 NJ	0.0355 U	0.151 JT
G041	LW2-G041	0.0451 U	0.106 NJ	0.0244 U	0.585 NJ	0.0491 U	0.691 JT
G042	LW2-G042	0.464 NJ	0.302 J	0.0302 U	0.388 J	0.227 J	1.38 JT
G043	LW2-G043	0.201 J	0.568 J	0.0331 U	0.0765 U	0.494 J	1.26 JT
G044-1	LW2-G044-1	0.217 T	0.202 JT	0.0323 UT	0.26 JT	0.263 T	0.942 JT
G044-2	LW2-G044-2	0.0619 U	0.0391 U	0.0335 U	0.0775 U	0.0675 U	0.0775 UT
G045	LW2-G045	0.0343 U	0.0217 U	0.0186 U	0.043 U	0.0374 U	0.043 UT
G046	LW2-G046	0.162 J	0.185 J	0.0345 U	0.0797 U	0.157 J	0.504 JT
G047	LW2-G047	0.0347 U	0.0219 U	0.0188 U	0.0435 U	0.0379 U	0.0435 UT
G048	LW2-G048	0.0343 U	0.0217 U	0.0186 U	0.0429 U	0.0374 U	0.0429 UT
G049	LW2-G049	0.0345 U	0.0218 U	0.0187 U	0.0432 U	0.0376 U	0.0432 UT
G050	LW2-G050	0.32 J	0.243 J	0.0246 U	0.0569 U	0.326 J	0.889 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G051	LW2-G051	0.187 NJ	0.0356 U	0.0305 U	0.145 J	0.0614 U	0.332 JT
G052	LW2-G052	0.0331 U	0.0209 U	0.0179 U	0.0415 U	0.0361 U	0.0415 UT
G053	LW2-G053	0.0335 U	0.0212 U	0.0181 U	0.0419 U	0.0365 U	0.0419 UT
G054	LW2-G054	0.0357 UJ	0.0225 U	0.057 J	0.0446 UJ	0.0389 U	0.057 JT
G055	LW2-G055	0.138 J	0.0304 U	0.0261 U	0.0603 U	0.0525 U	0.138 JT
G056	LW2-G056	0.103 NJ	0.0239 U	0.952 NJ	0.0474 U	0.0413 U	1.06 JT
G057	LW2-G057	0.123 J	0.363 J	0.0247 U	0.0571 U	0.199 J	0.685 JT
G058	LW2-G058	0.15 J	0.0252 U	0.0216 U	0.147 J	0.0435 U	0.297 JT
G059	LW2-G059	0.033 U	0.059 J	0.0179 U	0.0414 U	0.038 NJ	0.097 JT
G060	LW2-G060	0.0351 U	0.0221 U	0.019 U	0.255 NJ	0.0382 U	0.255 JT
G062	LW2-G062	0.195 NJ	0.159	0.0185 U	0.0427 U	0.0372 U	0.354 JT
G063	LW2-G063	0.118 J	0.0365 U	0.0313 U	0.0724 U	0.184 J	0.302 JT
G064	LW2-G064	0.136 J	0.183 J	0.0206 U	0.0476 U	0.0414 U	0.319 JT
G065	LW2-G065	0.133	0.035 J	0.0248 U	0.0573 U	0.208 J	0.376 JT
G066	LW2-G066	0.371	0.595 J	0.0253 U	0.352 NJ	0.0509 U	1.32 JT
G067	LW2-G067	0.281 J	0.345 J	0.0244 U	0.678 NJ	0.291	1.6 JT
G068	LW2-G068	0.157 J	0.049 J	0.0299 U	0.216 J	0.399 J	0.821 JT
G069	LW2-G069	0.0469 U	0.0296 U	0.0254 U	0.0587 UJ	0.0511 U	0.0587 UJT
G070	LW2-G070	0.371 NJ	0.132 NJ	0.0325 U	0.0751 U	0.0654 U	0.503 JT
G071	LW2-G071	0.32	0.279 J	0.0199 U	0.163 J	0.28 J	1.04 JT
G072	LW2-G072	0.0571 U	0.263 NJ	0.0309 U	0.56 J	0.4 NJ	1.22 JT
G073	LW2-G073	0.0345 U	0.048 NJ	0.127 NJ	0.0432 U	0.0376 U	0.175 JT
G074	LW2-G074	0.0337 U	0.061 J	0.0183 U	0.1 NJ	0.0368 U	0.161 JT
G075-1	LW2-G075-1	0.0389 U	0.125 J	0.0211 U	0.168 J	0.108	0.401 JT
G075-2	LW2-G075-2	0.12 J	0.031 J	0.0226 U	0.0523 U	0.068 J	0.219 JT
G076	LW2-G076	0.057 U	0.286 NJ	0.0308 U	0.866 NJ	0.0621 U	1.15 JT
G077	LW2-G077	0.702 J	0.53 J	0.029 UJ	0.288 J	1.01 J	2.53 JT
G078	LW2-G078	0.0325 U	0.0205 U	0.0176 U	0.0407 U	0.0354 U	0.0407 UT
G079	LW2-G079	0.0366 U	0.0231 U	0.111 NJ	0.0459 U	0.0399 U	0.111 JT
G080	LW2-G080	0.0333 U	0.021 U	0.018 U	0.0417 U	0.0363 U	0.0417 UT
G081	LW2-G081	0.0565 U	0.0357 U	0.0306 U	0.0708 U	0.0616 U	0.0708 UT
G082	LW2-G082	0.049 J	0.098 J	0.0179 U	0.0414 U	0.13	0.277 JT
G083	LW2-G083	0.135 J	0.108 NJ	0.622 NJ	0.155 J	0.0467 U	1.02 JT
G085	LW2-G085	1.02 NJ	0.625 NJ	0.0256 U	1.27 J	0.0515 U	2.92 JT
G086	LW2-G086	0.248 J	0.196 J	0.0241 U	0.245 J	0.076 J	0.765 JT
G088	LW2-G088	0.224 J	0.172 J	0.026 U	0.169	0.072 J	0.637 JT
G089	LW2-G089	0.0341 U	0.059 NJ	0.0184 U	0.214 NJ R		0.273 JT
G090	LW2-G090	0.181 J	0.157 J	0.0266 U	0.147 J	0.275 J	0.76 JT
G091	LW2-G091	0.245 J	0.245 J	0.0271 U	0.228 J	0.055 J	0.773 JT
G092	LW2-G092	0.0767 U	0.33 NJ	0.0415 U	2.26 J	0.0836 U	2.59 JT
G093	LW2-G093	3.13 NJ	0.508 NJ	0.0295 U	1.42 J	2.41 NJ	7.47 JT
G094	LW2-G094	0.792 J	1.12 NJ	8.85 J	0.581 U	0.506 U	10.8 JT
G095	LW2-G095	0.224 J	0.414 J	0.019 U	0.044 U	0.219 J	0.857 JT
G096	LW2-G096	0.441	0.272 J	0.0233 U	0.348 J	0.369 J	1.43 JT
G097	LW2-G097	0.05 U	0.268 NJ	0.0271 U	0.0627 U	0.178 NJ	0.446 JT
G098	LW2-G098	0.146 J	0.057 NJ	0.262 NJ	0.0614 U	0.0535 U	0.465 JT
G099	LW2-G099	0.249	0.207 J	1.03	0.211 J	0.0379 U	1.7 JT
G100	LW2-G100	0.0395 U	0.135	0.0214 U	0.782 NJ	0.0431 U	0.917 JT
G101	LW2-G101	0.0539 U	0.099 NJ	0.0292 U	0.585 NJ	0.0588 U	0.684 JT
G102	LW2-G102	0.052 J	0.0207 U	0.665 J	0.523 NJ	0.0357 U	1.24 JT
G103	LW2-G103	0.468	0.458 J	0.0261 U	0.197	0.447 J	1.57 JT
G104	LW2-G104	0.226 J	0.201 NJ	0.0261 U	0.319 NJ	0.287 J	1.03 JT
G105	LW2-G105	0.701 J	0.654 J	0.0251 U	0.588 J	0.751 J	2.69 JT
G106	LW2-G106	0.263	0.295 J	0.0233 U	0.147 J	0.328 J	1.03 JT
G107	LW2-G107	0.314	0.391 J	0.0236 U	0.654 NJ	0.0474 U	1.36 JT
G108	LW2-G108	0.462	0.37 J	0.0286 U	0.138 J	0.345 J	1.32 JT
G109	LW2-G109	0.23 J	0.082 J	0.0249 UJ	0.125 J	0.346 J	0.783 JT
G110	LW2-G110	0.408 NJ	0.069 NJ	0.0312 U	0.453 NJ	0.0628 U	0.93 JT
G111	LW2-G111	0.315 J	0.379 J	0.0248 U	0.245 NJ	0.05 U	0.939 JT
G112	LW2-G112	0.194 J	0.321 J	0.0269 U	0.0622 U	0.185 J	0.7 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G113	LW2-G113	0.206 J	0.075 NJ	0.0331 UJ	0.198 J	0.352	0.831 JT
G116	LW2-G116	0.334 J	0.109 J	0.0308 U	0.0712 U	0.454 J	0.897 JT
G117	LW2-G117	0.239 J	0.16 J	0.0248 U	0.469 J	0.102 J	0.97 JT
G119	LW2-G119	0.0383 UJ	0.0242 U	0.0207 U	0.0479 U	0.0417 U	0.0479 UT
G120	LW2-G120	0.255 J	0.105 J	0.0329 U	0.076 U	0.516 J	0.876 JT
G121	LW2-G121	0.0533 U	0.138 J	0.0289 U	0.0668 U	1.89 J	2.03 JT
G122	LW2-G122	0.486 J	0.55 J	0.0298 U	0.687 J	0.549 J	2.27 JT
G123	LW2-G123	0.0457 U	0.0289 U	0.0247 U	0.0572 U	0.0498 U	0.0572 UT
G124	LW2-G124	0.18 U	0.113 U	0.0973 U	0.225 U	0.196 U	0.225 UT
G125	LW2-G125	0.21 J	0.222 J	0.0324 UJ	0.0749 UJ	0.131 J	0.563 JT
G126	LW2-G126	0.035 U	0.0221 U	0.0189 U	0.0438 U	0.0382 U	0.0438 UT
G127	LW2-G127	0.346 J	0.198 J	0.0264 UJ	0.387 J	0.0531 UJ	0.931 JT
G128	LW2-G128	0.0454 U	0.032 J	0.0246 U	0.0568 U	0.113 J	0.145 JT
G129	LW2-G129	0.386 J	0.183 UJ	0.157 UJ	0.363 UJ	0.316 UJ	0.386 JT
G130	LW2-G130	0.443 J	0.293 J	0.0204 U	0.0473 U	0.583 J	1.32 JT
G131	LW2-G131	0.0623 U	0.452 J	0.0337 U	0.0779 UJ	0.241	0.693 JT
G132	LW2-G132	0.56 J	0.261 J	0.119 UJ	0.276 UJ	0.24 UJ	0.821 JT
G133	LW2-G133	0.374 J	0.131 J	0.0306 UJ	0.0707 UJ	0.472 J	0.977 JT
G134	LW2-G134	0.39 NJ	0.274 J	0.0358 U	0.612 NJ	0.309 J	1.59 JT
G136	LW2-G136	0.278 J	0.0404 UJ	0.0346 UJ	0.966 J	0.302 J	1.55 JT
G137	LW2-G137	0.198 J	0.312 J	0.0342 U	0.444 NJ	0.256 J	1.21 JT
G139	LW2-G139	0.462 J	0.0298 UJ	0.0256 UJ	1.31 J	0.0515 UJ	1.77 JT
G140-1	LW2-G140-1	0.0386 UJT	0.163 JT	0.0209 UJT	0.531 JT	1.29 JT	1.98 JT
G140-2	LW2-G140-2	0.19 J	0.0213 U	0.0183 U	0.272 J	0.14	0.602 JT
G141	LW2-G141	0.11 J	0.254 NJ	0.0256 U	0.0592 U	0.112 J	0.476 JT
G142	LW2-G142	0.249	0.0259 U	1.03 J	0.382 J	0.267 J	1.93 JT
G143	LW2-G143	0.23 J	0.137 NJ	0.0254 U	0.0588 U	0.324 J	0.691 JT
G146	LW2-G146	0.166 UJ	0.105 UJ	0.195 J	0.208 UJ	0.181 UJ	0.195 JT
G147	LW2-G147	0.364 J	0.0226 U	0.0194 U	0.89 J	0.367 J	1.62 JT
G149	LW2-G149	0.43 J	0.336 J	0.0232 U	0.29 NJ	0.23 J	1.29 JT
G150	LW2-G150	0.0562 U	0.0355 U	0.0304 U	0.367 J	0.678 J	1.05 JT
G153	LW2-G153	0.0543 U	0.0343 U	0.0294 U	0.33 J	0.395 J	0.725 JT
G154	LW2-G154	0.136 J	0.137 J	0.0302 U	0.0699 U	0.0609 U	0.273 JT
G155	LW2-G155	0.24 U	0.151 U	0.13 U	0.3 U	0.261 U	0.3 UT
G157	LW2-G157	0.183 U	0.116 U	0.099 U	0.229 U	0.199 U	0.229 UT
G159	LW2-G159	0.119 NJ	0.044 NJ	0.018 U	0.0417 U	0.0363 U	0.163 JT
G160	LW2-G160	0.361 U	0.228 U	0.196 U	0.452 U	0.394 U	0.452 UT
G161	LW2-G161	0.343 U	0.217 U	0.186 U	0.43 U	0.374 U	0.43 UT
G163	LW2-G163	0.0331 U	0.0209 U	0.0179 U	0.0415 U	0.0361 U	0.0415 UT
G164	LW2-G164	0.254 J	0.192 J	0.082 J	0.0407 UJ	0.264 J	0.792 JT
G165	LW2-G165	0.281	0.257 J	0.286 J	0.295 J	0.387 J	1.51 JT
G166	LW2-G166	0.042 J	0.0239 U	0.0205 U	0.0474 U	0.0413 U	0.042 JT
G168	LW2-G168	0.711 NJ	0.131 UJ	0.113 UJ	0.44 J	0.625 J	1.78 JT
G170	LW2-G170	0.122 J	0.086 J	0.0217 U	0.395 J	0.132 J	0.735 JT
G172	LW2-G172	0.398 J	0.0375 U	0.0321 U	0.0742 U	0.0647 U	0.398 JT
G175	LW2-G175	0.335	0.253 J	0.651 J	0.252 J	0.412 J	1.9 JT
G176	LW2-G176	0.15	0.336 J	0.0178 U	0.0412 U	0.157 J	0.643 JT
G178	LW2-G178	0.099 J	0.0232 UJ	0.0199 UJ	1.29 J	0.268 J	1.66 JT
G179	LW2-G179	7.96 J	0.0243 UJ	0.0208 UJ	0.863 J	0.042 U	8.82 JT
G180	LW2-G180	0.0336 U	0.0212 UJ	0.0182 UJ	0.52 J	0.414 J	0.934 JT
G181	LW2-G181	0.0551 U	0.0348 U	0.914 J	0.069 U	0.201 J	1.12 JT
G182	LW2-G182	0.169 J	0.026 J	0.0182 UJ	0.042 UJ	0.219 J	0.414 JT
G183	LW2-G183	0.0337 U	0.0213 U	0.0182 U	0.0422 U	0.0367 U	0.0422 UT
G184	LW2-G184	0.0362 U	0.0229 U	0.0196 U	0.0453 U	0.196 J	0.196 JT
G186	LW2-G186	0.0341 U	0.0216 U	0.0185 U	0.0427 U	0.0372 U	0.0427 UT
G187	LW2-G187	0.0389 U	0.0246 U	0.0211 U	0.0487 U	0.0424 U	0.0487 UT
G188	LW2-G188	0.0553 U	0.137 J	0.0299 U	0.0693 U	0.58 J	0.717 JT
G189	LW2-G189	0.0507 UJ	0.032 UJ	0.0274 UJ	0.0634 UJ	0.327 J	0.327 JT
G190	LW2-G190	0.236 U	0.149 U	0.677 J	0.296 U	0.258 U	0.677 JT
G191	LW2-G191	0.0327 U	0.0207 U	0.0177 U	0.0409 U	0.0357 U	0.0409 UT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G192	LW2-G192	0.333 J	0.187 NJ	0.0239 U	0.694 NJ	0.0481 U	1.21 JT
G193	LW2-G193	0.192 UJ	0.121 UJ	1.35 NJ	0.403 J	0.209 UJ	1.75 JT
G194	LW2-G194	0.0344 U	0.0217 U	0.0186 U	0.0431 U	0.0375 U	0.0431 UT
G195	LW2-G195	0.399	0.137 J	1.34 J	0.0633 U	0.726 J	2.6 JT
G197-1	LW2-G197-1	0.784 J	0.292 J	1.86 J	0.049 U	0.086 J	3.02 JT
G197-2	LW2-G197-2	0.0436 U	0.0275 U	1.67 J	0.0546 U	0.0475 U	1.67 JT
G198	LW2-G198	0.0437 U	0.0276 U	2.75 J	0.0547 U	0.0477 U	2.75 JT
G199	LW2-G199	0.321 NJ	0.139 U	3.26 J	0.276 UJ	0.241 U	3.58 JT
G200	LW2-G200	0.579 NJ	0.219 NJ	0.0238 U	0.0551 U	0.626 NJ	1.42 JT
G202	LW2-G202	0.241 U	0.152 U	0.131 U	1.05 J	0.263 U	1.05 JT
G203-1	LW2-G203-1	0.0504 UJT	0.285 JT	0.0273 UJT	0.562 JT	0.0549 UJT	0.847 JT
G203-2	LW2-G203-2	0.0462 U	0.226 NJ	0.025 U	0.403 NJ	0.0503 U	0.629 JT
G204	LW2-G204	0.188 NJ	0.0263 U	0.0225 U	0.312 NJ	0.0453 U	0.5 JT
G205	LW2-G205	0.0351 UJ	0.0222 UJ	0.019 U	0.0439 UJ	0.453 NJ	0.453 JT
G206	LW2-G206	0.275 J	0.621 J	0.127 U	0.295 U	0.257 UJ	0.896 JT
G207	LW2-G207	1.03 J	0.153 U	2.63 J	0.663 NJ	0.264 U	4.32 JT
G208	LW2-G208	0.183 UJ	0.116 UJ	0.235 J	0.229 UJ	0.2 UJ	0.235 JT
G209	LW2-G209	0.198 U	0.125 U	4.19 J	0.248 U	0.606 J	4.8 JT
G210	LW2-G210	0.505 U	0.319 U	0.273 U	0.632 U	0.55 U	0.632 UT
G212-1	LW2-G212-1	0.0418 U	0.0264 U	0.0226 U	0.0523 U	0.0455 U	0.0523 UT
G212-2	LW2-G212-2	0.135 NJ	0.0261 U	0.0224 U	0.165 NJ	0.119 J	0.419 JT
G213	LW2-G213	0.238 U	0.15 U	0.129 U	0.298 U	0.259 U	0.298 UT
G214-1	LW2-G214-1	0.43 NJ	0.199 J	0.0278 U	0.0643 UJ	0.252	0.881 JT
G215	LW2-G215	1.03 J	0.285 J	0.0234 UJ	0.733 J	0.0472 UJ	2.05 JT
G216	LW2-G216	0.0323 U	0.0204 U	0.0175 U	0.0405 U	0.0352 U	0.0405 UT
G217	LW2-G217	0.0325 U	0.0205 U	0.0176 U	0.0406 U	0.117 NJ	0.117 JT
G218	LW2-G218	0.114	0.118 J	0.0189 U	0.157 J	0.038 U	0.389 JT
G220	LW2-G220	0.0419 UJ	0.0265 UJ	0.0227 UJ	0.0525 UJ	0.0457 UJ	0.0525 UJT
G221	LW2-G221	0.0371 UJ	0.0235 UJ	0.0201 UJ	0.0465 UJ	0.0405 UJ	0.0465 UJT
G222	LW2-G222	0.214 U	0.135 U	0.116 U	0.267 U	0.773 J	0.773 JT
G224	LW2-G224	0.215 UJ	0.136 UJ	0.215 J	0.27 UJ	0.235 UJ	0.215 JT
G225	LW2-G225	0.17 UJ	0.108 UJ	0.0921 UJ	0.213 UJ	0.186 UJ	0.213 UJT
G226	LW2-G226	0.38	0.341 J	0.0269 U	0.846 J	0.0542 U	1.57 JT
G227	LW2-G227	0.09 J	0.0216 U	0.0185 U	0.182 J	0.067 J	0.339 JT
G228	LW2-G228	0.531 J	0.522 J	0.0284 U	1.03 J	0.502	2.59 JT
G229	LW2-G229	0.238 UJ	0.15 UJ	0.129 UJ	0.297 UJ	0.259 UJ	0.297 UJT
G230	LW2-G230	0.746 J	0.444	0.0265 U	1.47 J	0.0533 U	2.66 JT
G231	LW2-G231	0.19 U	0.12 U	0.103 U	0.238 UJ	0.207 U	0.238 UJT
G232	LW2-G232	1.32 J	1.35 J	0.126 U	0.646 NJ	1.59 J	4.91 JT
G233	LW2-G233	0.351 J	0.845 NJ	0.112 U	0.26 U	0.483 J	1.68 JT
G234	LW2-G234	0.16 U	0.101 U	0.0867 U	0.2 UJ	0.175 U	0.2 UJT
G235	LW2-G235	0.0297 U	0.0188 UJ	0.0161 UJ	0.0372 UJ	0.43 J	0.43 JT
G236	LW2-G236	0.909 J	0.67	0.0228 U	0.0527 U	0.892 J	2.47 JT
G237	LW2-G237	0.282 U	0.178 U	0.153 U	2.24 J	0.308 U	2.24 JT
G238	LW2-G238	0.865 J	0.667 J	0.029 U	0.0671 U	0.0584 U	1.53 JT
G239	LW2-G239	0.348 J	0.517	0.0252 U	0.901 J	0.0508 U	1.77 JT
G240	LW2-G240	0.0497 U	0.0314 U	0.0269 U	1.44 J	1.16 J	2.6 JT
G241	LW2-G241	6.79 J	0.0276 U	1.25 J	4.91 J	1.03 J	14 JT
G242	LW2-G242	0.0482 U	0.0304 U	0.0261 U	0.0603 U	1.05 J	1.05 JT
G243	LW2-G243	0.183 J	0.043 J	0.0262 U	0.0606 U	0.0527 U	0.226 JT
G244	LW2-G244	0.481 J	0.303 NJ	0.11 U	0.255 U	0.222 U	0.784 JT
G245	LW2-G245	0.746 J	0.0317 U	0.0272 U	0.916 J	0.744 J	2.41 JT
G246	LW2-G246	0.408 J	0.039 J	0.031 UJ	0.567 J	0.709 J	1.72 JT
G247	LW2-G247	0.484 J	0.4 NJ	1.24 NJ	0.259 U	0.494 J	2.62 JT
G248	LW2-G248	0.0326 U	0.0206 U	0.0177 U	0.0409 U	0.0356 U	0.0409 UT
G249	LW2-G249	0.185 U	0.117 U	0.1 U	1.02 NJ	0.202 U	1.02 JT
G250-1	LW2-G250	0.185 NJ	0.022 UJ	0.0189 U	0.0437 UJ	0.974 NJ	1.16 JT
G251-1	LW2-G251-1	1.01 J	0.0328 U	0.0281 U	1.11 J	1.01 J	3.13 JT
G251-2	LW2-G251-2	0.0544 U	0.0344 U	0.0295 U	1.57 J	1.32 J	2.89 JT
G252	LW2-G252	0.172 J	0.0229 U	0.0196 U	0.37 J	0.0395 U	0.542 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G253	LW2-G253	0.165 UJ	0.104 U	0.0894 U	1.32 NJ	0.18 U	1.32 JT
G254	LW2-G254	0.404 U	0.976 NJ	0.219 U	0.506 U	0.44 U	0.976 JT
G255	LW2-G255	0.208 U	0.131 U	0.113 U	0.26 U	0.227 U	0.26 UT
G257	LW2-G257	0.0379 U	0.024 U	0.0205 U	0.0475 U	0.0414 U	0.0475 UT
G258	LW2-G258	0.0327 U	0.0206 U	0.0177 U	1.44 J	0.0356 U	1.44 JT
G259	LW2-G259	1.63 J	0.0316 UJ	0.0271 UJ	6.6 J	0.0545 UJ	8.23 JT
G260	LW2-G260	0.0326 UJ	0.0206 UJ	0.0176 U	0.0408 UJ	0.412 J	0.412 JT
G261	LW2-G261	0.0323 U	0.0204 U	0.0175 U	0.0404 U	0.0352 U	0.0404 UT
G263	LW2-G263	0.209 U	0.132 U	0.113 U	0.262 U	0.228 U	0.262 UT
G264	LW2-G264	2.08 NJ	0.194 UJ	0.166 UJ	0.384 UJ	0.334 UJ	2.08 JT
G266	LW2-G266	0.096 J	0.174 NJ	0.0233 U	0.0539 U	0.157 J	0.427 JT
G267	LW2-G267	0.165 J	0.308 J	0.0283 U	0.0655 U	0.44 NJ	0.913 JT
G268	LW2-G268	0.594	0.846 NJ	0.0282 U	0.674 NJ	0.497 J	2.61 JT
G269	LW2-G269	7.43 NJ	0.182 UJ	0.156 UJ	3.65 NJ	0.314 UJ	11.1 JT
G270-1	LW2-G270-1	2.41 J	0.0362 U	0.031 UJ	2.24 J	0.0625 U	4.65 JT
G270-2	LW2-G270-2	0.0615 U	0.0389 U	0.0333 UJ	2.73 NJ	0.0671 U	2.73 JT
G271	LW2-G271	0.0314 U	0.0198 U	0.017 U	0.0393 U	0.0342 U	0.0393 UT
G272	LW2-G272	0.04 U	0.0253 U	3.69 J	0.0501 U	0.0436 U	3.69 JT
G273	LW2-G273	1.88 NJ	0.146 UJ	0.125 U	0.29 UJ	3.49 NJ	5.37 JT
G274	LW2-G274	0.356 U	0.225 UJ	0.193 U	11.4 NJ	9.23 NJ	20.6 JT
G276	LW2-G276	1.58 NJ	0.204 U	0.175 U	0.405 U	0.353 U	1.58 JT
G277	LW2-G277	0.121 J	0.368 NJ	0.0282 U	0.296 NJ	0.208	0.993 JT
G278	LW2-G278	3.97 NJ	0.205 U	0.176 U	0.406 U	0.354 U	3.97 JT
G280	LW2-G280	0.253 J	0.426 J	0.0316 U	0.268 NJ	0.262 J	1.21 JT
G282	LW2-G282	0.33 UJ	0.679 NJ	0.178 U	0.413 U	0.359 U	0.679 JT
G283	LW2-G283	5.58 NJ	0.16 UJ	0.137 UJ	0.318 UJ	0.277 UJ	5.58 JT
G284	LW2-G284	1.32 NJ	0.205 U	0.176 U	0.407 U	0.354 U	1.32 JT
G285	LW2-G285	0.0329 U	0.0208 U	0.0178 U	0.0411 U	0.0358 U	0.0411 UT
G288	LW2-G288	6.94 J	0.157 U	0.134 U	0.31 U	0.27 U	6.94 JT
G292	LW2-G292	2.45 NJ	0.316 U	0.271 U	0.626 U	0.545 U	2.45 JT
G293	LW2-G293	0.145 J	0.184 J	0.0285 U	0.0659 U	0.313 NJ	0.642 JT
G294-1	LW2-G294-1	0.0571 UJ	0.0361 UJ	0.0309 UJ	0.0715 UJ	0.0623 UJ	0.0715 UJT
G294-2	LW2-G294-2	0.0592 UJT	0.0349 UJT	0.0299 UJT	0.0692 UJT	0.0602 UJT	0.0692 UJT
G295	LW2-G295	0.165 J	0.221 NJ	0.0296 U	0.0685 U	0.321 NJ	0.707 JT
G296	LW2-G296	0.622 J	0.755 NJ	0.0283 U	0.258 J	0.711 J	2.35 JT
G298	LW2-G298	0.486 U	0.307 U	0.263 U	0.608 U	0.529 U	0.608 UT
G301	LW2-G301	1.31 NJ	0.304 U	0.26 U	0.602 U	2.38 J	3.69 JT
G302	LW2-G302	6.63 NJ	0.357 U	0.306 U	13.1 NJ	0.616 U	19.7 JT
G303	LW2-G303	0.308 J	0.0296 UJ	0.0254 U	0.232 J	0.0511 U	0.54 JT
G305	LW2-G305	0.0565 U	0.0357 U	1.33 J	0.0707 U	0.0616 U	1.33 JT
G306	LW2-G306	0.045 J	0.0233 U	0.02 U	0.0463 U	0.076 J	0.121 JT
G307	LW2-G307	0.775 NJ	0.559 NJ	1.69 NJ	0.239 J	0.956 NJ	4.22 JT
G308	LW2-G308	0.608 J	0.502 NJ	0.117 U	0.27 U	0.83 J	1.94 JT
G309	LW2-G309	0.753 J	0.237 NJ	0.0326 UJ	0.357 NJ	0.0657 U	1.35 JT
G310	LW2-G310	0.942 NJ	0.295 NJ	1.72 J	0.147 J	0.0619 U	3.1 JT
G311-1	LW2-G311-1	109 NJT	0.0324 UJT	0.0274 UJT	0.0634 UJT	137 NJT	246 JT
G311-2	LW2-G311-2	0.0441 UJ	0.389 UJ	0.0239 UJ	0.0552 UJ	0.599 NJ	0.599 JT
G313	LW2-G313	1.06 NJ	0.297 NJ	0.027 U	0.192 J	0.0544 U	1.55 JT
G314	LW2-G314	0.585 J	0.143 NJ	0.0666 U	0.154 U	0.134 U	0.728 JT
G315	LW2-G315	0.224 U	0.142 U	0.121 U	0.281 U	5.93 NJ	5.93 JT
G316	LW2-G316	0.173 U	0.11 U	0.0939 U	0.217 U	0.189 U	0.217 UT
G317	LW2-G317	0.069 J	0.101 J	0.0215 U	0.0497 U	0.0433 U	0.17 JT
G318	LW2-G318	0.182 U	0.115 UJ	0.0987 U	0.228 UJ	0.199 U	0.228 UJT
G319	LW2-G319	0.0346 U	0.0218 U	0.0187 U	0.0433 U	0.0377 U	0.0433 UT
G320	LW2-G320	0.178 U	0.112 UJ	0.0962 U	0.222 UJ	0.194 U	0.222 UJT
G321	LW2-G321	0.0366 U	0.0231 U	0.0198 U	0.0458 U	0.0399 U	0.0458 UT
G322	LW2-G322	2.72 NJ	0.293 NJ	0.124 U	0.288 U	0.251 U	3.01 JT
G323	LW2-G323	0.168 U	0.106 UJ	0.091 U	0.21 UJ	0.183 U	0.21 UJT
G324-1	LW2-G324-1	0.0353 UJ	0.0223 UJ	0.0191 UJ	0.0442 U	0.0385 U	0.0442 UT
G324-2	LW2-G324-2	0.0333 UJ	0.0211 UJ	0.018 UJ	0.0417 U	0.0363 U	0.0417 UT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G325	LW2-G325	0.213 NJ	0.0248 U	0.0213 U	0.0492 U	0.0428 U	0.213 JT
G326	LW2-G326	0.911 NJ	0.16 NJ	0.0211 U	0.244 NJ	0.0426 U	1.32 JT
G327	LW2-G327	0.769 NJ	2.23 NJ	0.102 U	0.613 NJ	0.206 U	3.61 JT
G328	LW2-G328	0.0365 U	0.023 U	0.0198 U	0.0457 U	0.0398 U	0.0457 UT
G329	LW2-G329	0.541 J	0.373 J	0.0172 U	0.0397 U	0.0346 U	0.914 JT
G330	LW2-G330	0.288 U	5.64 NJ	0.156 U	0.361 U	0.314 U	5.64 JT
G331	LW2-G331	0.173 U	0.109 UJ	0.0938 U	0.217 UJ	2.37 J	2.37 JT
G332	LW2-G332	5.24 J	2.98 J	3.58 J	0.0684 UJ	0.0595 UJ	11.8 JT
G333	LW2-G333	8.5 J	0.156 UJ	0.133 U	0.309 UJ	0.269 U	8.5 JT
G334	LW2-G334	0.0501 UJ	0.0317 UJ	0.0271 UJ	32.2 NJ	0.0546 UJ	32.2 JT
G335	LW2-G335	0.168 U	0.106 UJ	0.0909 U	0.945 NJ	0.183 U	0.945 JT
G336	LW2-G336	0.484 J	0.237 NJ	0.0186 U	0.0429 UJ	0.244 NJ	0.965 JT
G337	LW2-G337	0.111 J	0.268 J	0.0302 U	0.0698 U	0.0608 U	0.379 JT
G338	LW2-G338	0.368 J	0.284 J	0.0299 U	0.0691 U	0.407 J	1.06 JT
G339	LW2-G339	0.24 UJ	0.152 UJ	0.13 U	0.301 U	0.262 U	0.301 UT
G340	LW2-G340	0.0428 U	0.027 U	0.0232 U	0.0535 U	0.0466 U	0.0535 UT
G341	LW2-G341	0.21 J	0.0348 U	0.0299 U	0.069 U	0.0601 U	0.21 JT
G342	LW2-G342	0.16 NJ	0.0326 U	0.0279 U	0.0646 U	0.145 J	0.305 JT
G343	LW2-G343	0.122 J	0.322 J	0.0284 U	0.0656 U	0.11 J	0.554 JT
G344	LW2-G344	0.269 J	0.0361 U	0.031 U	0.0716 U	0.44 J	0.709 JT
G345-1	LW2-G345-1	1.56 JT	0.184 NJT	0.0271 UJT	0.0627 UJT	0.0546 UJT	1.74 JT
G345-2	LW2-G345-2	0.0486 UJ	0.237 NJ	0.0263 UJ	0.0608 U	0.0529 U	0.237 JT
G346	LW2-G346	0.159 J	0.3	0.0313 U	0.0724 U	0.197 NJ	0.656 JT
G347	LW2-G347	0.233 NJ	0.0367 U	0.0314 U	0.393 NJ	0.247 J	0.873 JT
G348	LW2-G348	12.1 NJ	0.119 UJ	0.102 U	0.237 UJ	0.206 U	12.1 JT
G349	LW2-G349	2.66 J	1.17 J	2.52 J	0.0659 U	0.0574 U	6.35 JT
G350	LW2-G350	0.0483 U	0.477 NJ	0.0261 U	0.0605 UJ	2.38	2.86 JT
G351	LW2-G351	20 NJ	0.966 NJ	0.133 U	0.308 U	0.268 U	21 JT
G351-2	LW2-G351-2	0.509 UT	0.322 UT	0.276 UT	7.54 JT	10.1 JT	17.6 JT
G352	LW2-G352	0.174 J	0.415 NJ	0.0266 U	0.0616 U	0.175	0.764 JT
G353-1	LW2-G353-1	35.5 NJ	0.166 U	5.46 J	0.33 U	14.5 NJ	55.5 JT
G353-2	LW2-G353-2	0.249 UJ	0.157 UJ	6.79 J	7.53 NJ	9.98 NJ	24.3 JT
G354	LW2-G354	0.187 J	0.5 J	0.0319 U	0.0739 U	0.173 J	0.86 JT
G355	LW2-G355	0.361 U	64.8 J	0.195 U	378 NJ	226 NJ	669 JT
G356	LW2-G356	2.97 NJ	0.204 U	0.175 U	0.405 U	0.353 U	2.97 JT
G357	LW2-G357	0.071 J	0.233 J	0.023 U	0.0531 U	0.0463 U	0.304 JT
G358	LW2-G358	0.219	0.381 NJ	0.0327 U	0.0757 U	0.348 NJ	0.948 JT
G359	LW2-G359	1.53	1.6 J	2.71 J	0.0739 U	0.0643 U	5.84 JT
G360	LW2-G360	11.4 NJ	0.316 U R		0.626 U	11 NJ	22.4 JT
G361	LW2-G361	0.127 J	0.373 NJ	0.0326 U	0.0754 U	0.188	0.688 JT
G362-1	LW2-G362-1	0.362 JT	0.183 UT	0.0313 UT	0.0725 UT	0.315 UT	0.362 JT
G362-2	LW2-G362-2	0.286 UJ	0.18 U	0.155 U	0.358 U	0.311 U	0.358 UT
G363	LW2-G363	0.205	0.225 NJ	0.166 U	0.179 NJ	0.21	0.819 JT
G364	LW2-G364	0.0401 U	0.0253 U	0.0217 U	0.073 J	0.0437 U	0.073 JT
G365	LW2-G365	0.558 J	0.0279 U	2.76 J	0.0554 U	0.0482 U	3.32 JT
G366	LW2-G366	0.293 UJ	0.37 NJ	0.159 U	0.367 U	8.78 NJ	9.15 JT
G367	LW2-G367	0.402 NJ	0.425 NJ	0.0202 U	0.776 J	1.2 NJ	2.8 JT
G368	LW2-G368	0.297 U	0.188 U	0.161 U	0.372 U	0.324 U	0.372 UT
G369	LW2-G369	0.155 J	0.511 NJ	0.0349 U	0.0807 U	0.255 J	0.921 JT
G370	LW2-G370	0.847 J	0.525 NJ	0.157 U	0.364 U	0.892 NJ	2.26 JT
G371	LW2-G371	1.18 NJ	0.26 NJ	0.104 U	0.24 U	1.46 NJ	2.9 JT
G372-1	LW2-G372-1	0.271 JT	0.473 JT	0.202 UT	0.202 UT	0.215 JT	0.959 JT
G372-2	LW2-G372-2	0.191 J	0.569 J	1.03 J	0.212 U	0.212 U	1.79 JT
G374	LW2-G374	0.182 NJ	0.548 NJ	0.0344 U	0.0795 U	0.198 J	0.928 JT
G376	LW2-G376	0.285 J	0.153 NJ	0.0332 U	0.117 J	0.067 U	0.555 JT
G377	LW2-G377	0.164 UJ	0.104 U	0.089 U	0.206 U	0.179 U	0.206 UT
G378	LW2-G378	0.324 NJ	0.455 J	0.0292 U	0.0674 UJ	0.2 J	0.979 JT
G379	LW2-G379	0.382 U	0.241 U	0.207 U	0.478 U	0.416 U	0.478 UT
G380	LW2-G380	0.164 UJ	0.103 U	0.0886 U	0.205 U	0.178 U	0.205 UT
G381	LW2-G381	0.603 NJ	0.405 NJ	0.03 U	0.432 NJ	0.272 NJ	1.71 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G382	LW2-G382	0.184 NJ	0.0418 U	0.0359 U	0.255	0.377 NJ	0.816 JT
G383	LW2-G383	0.326 U	0.339 NJ	0.176 U	0.408 U	0.355 U	0.339 JT
G384-1	LW2-G384-1	0.221 JT	0.0461 UT	0.0395 UT	0.0913 UT	0.0795 UT	0.221 JT
G384-2	LW2-G384-2	0.219 J	0.335 J	5.46 NJ	0.101 U	0.0882 U	6.01 JT
G385	LW2-G385	0.0711 U	1.41 J	0.0385 U	0.089 UJ	0.655 J	2.07 JT
G386	LW2-G386	0.126 J	0.131 NJ	0.0244 U	0.0564 U	0.0491 U	0.257 JT
G387	LW2-G387	0.137 J	0.0468 U	0.0401 U	0.0927 U	0.0807 U	0.137 JT
G389	LW2-G389	0.0399 U	0.0252 UJ	0.0216 U	0.05 UJ	0.0435 U	0.05 UJT
G390	LW2-G390	0.348 UJ	0.22 UJ	24.4 NJ	0.992 J	0.38 UJ	25.4 JT
G391	LW2-G391	0.248 J	0.539 NJ	0.0331 U	0.0765 U	0.232 J	1.02 JT
G392	LW2-G392	0.216 J	0.477 J	0.0273 U	0.141 J	0.44 NJ	1.27 JT
G393	LW2-G393	5.86 UJ	3.7 U	3.17 U	7.34 U	6.39 U	7.34 UT
G394	LW2-G394	14.2 NJ	3.08 J	0.121 UJ	0.28 UJ	0.243 UJ	17.3 JT
G395	LW2-G395	0.214 NJ	0.313 NJ	0.0249 UJ	0.0576 UJ	0.105 J	0.632 JT
G396	LW2-G396	0.0414 U	0.0261 U	0.0224 U	0.0518 U	0.0451 U	0.0518 UT
G397	LW2-G397	0.169 J	0.23 U	0.23 U	0.23 U	0.23 U	0.169 JT
G398	LW2-G398	0.204 U	0.204 U	0.204 U	0.204 U	0.204 U	0.204 UT
G399	LW2-G399	0.193 UJ	0.205 NJ	0.613 J	0.242 UJ	0.211 UJ	0.818 JT
G401	LW2-G401	0.231 UJ	0.374 NJ	0.125 U	0.29 U	0.252 U	0.374 JT
G403	LW2-G403	0.0343 UJ	0.0216 U	0.0185 U	0.0429 U	0.0373 U	0.0429 UT
G404	LW2-G404	0.378 NJ	0.51 NJ	0.028 U	0.0647 UJ	0.437 J	1.33 JT
G405	LW2-G405	0.162 U	0.103 U	0.0879 U	0.203 U	0.177 U	0.203 UT
G406	LW2-G406	0.168 NJ	0.391 NJ	0.0249 U	0.0576 UJ	0.209 NJ	0.768 JT
G407	LW2-G407	0.259	0.278 J	0.0247 U	0.189 NJ	0.35 NJ	1.08 JT
G408	LW2-G408	0.448 J	0.0452 UJ	0.0387 U	0.273 J	0.0779 U	0.721 JT
G409	LW2-G409	0.168	0.373 NJ	0.027 U	0.0624 U	0.223 J	0.764 JT
G410-1	LW2-G410-1	0.21	0.609 NJ	0.0354 U	0.094 J	0.39 NJ	1.3 JT
G410-2	LW2-G410-2	0.317	0.677 NJ	0.0373 U	0.334 NJ	0.511 NJ	1.84 JT
G411	LW2-G411	0.0332 U	0.122 J	0.018 U	0.0415 U	0.099 J	0.221 JT
G412	LW2-G412	0.237 J	0.345 J	0.0268 U	0.0619 UJ	0.222	0.804 JT
G413	LW2-G413	0.0324 UJ	0.0205 U	0.578 J	0.0406 U	0.0353 U	0.578 JT
G414	LW2-G414	0.235 NJ	0.889 NJ	0.0278 U	0.265 NJ	0.16 J	1.55 JT
G415	LW2-G415	0.265 UJ	0.889 NJ	0.143 U	1.79 NJ	0.289 U	2.68 JT
G416	LW2-G416	0.474 J	0.0458 UJ	0.0393 U	0.0908 UJ	0.0791 U	0.474 JT
G417	LW2-G417	1.72 J	1.78 J	0.0193 U	0.658 J	1.68 J	5.84 JT
G418	LW2-G418	0.218 NJ	0.379 J	0.035 U	0.081 UJ	0.213 J	0.81 JT
G419	LW2-G419	0.216 J	0.476 NJ	0.0291 U	0.0674 UJ	0.187 J	0.879 JT
G420	LW2-G420	0.133 J	0.369 NJ	0.0269 U	0.443 NJ	0.235 J	1.18 JT
G422	LW2-G422	0.608 J	0.343 NJ	0.0234 U	0.28 NJ	0.659 NJ	1.89 JT
G423	LW2-G423	0.151 J	0.122 NJ	0.0312 U	0.0721 U	0.0628 U	0.273 JT
G424	LW2-G424	0.235 UJ	0.148 UJ	0.127 U	0.294 U	0.256 UJ	0.294 UT
G425	LW2-G425	0.434	0.538	0.0187 U	0.094 J	0.294	1.36 JT
G426	LW2-G426	0.367 UJ	0.232 U	0.199 UJ	0.459 UJ	0.4 UJ	0.459 UJT
G427	LW2-G427	0.302 J	0.263 NJ	0.029 U	0.23 NJ	0.565 NJ	1.36 JT
G428	LW2-G428	0.244 NJ	0.401 J	0.0285 U	0.066 UJ	0.201 J	0.846 JT
G429	LW2-G429	0.269 J	0.684 J	0.116 U	0.268 UJ	0.233 U	0.953 JT
G430	LW2-G430	0.0349 UJ	0.0221 U	0.0189 U	0.0437 U	0.0381 U	0.0437 UT
G431	LW2-G431	0.211 U	0.953 NJ	0.114 U	0.264 U	0.23 U	0.953 JT
G432	LW2-G432	0.583	0.379 NJ	0.0222 U	0.06 NJ	0.143 NJ	1.17 JT
G433-1	LW2-G433-1	0.19 J	0.115 NJ	0.0298 U	0.069 UJ	0.172 NJ	0.477 JT
G433-2	LW2-G433-2	0.204	0.151 NJ	0.0296 U	0.0685 U	0.337 NJ	0.692 JT
G434	LW2-G434	0.608 NJ	0.525 NJ	0.102 U	0.236 UJ	0.206 U	1.13 JT
G435	LW2-G435	0.354 NJ	0.284 J	0.0298 U	0.273 NJ	0.252 J	1.16 JT
G437	LW2-G437	0.175 J	0.16 NJ	0.0227 U	0.094 J	0.439 NJ	0.868 JT
G438	LW2-G438	0.406 J	0.14 NJ	0.2	0.0416 UJ	0.478 NJ	1.22 JT
G439	LW2-G439	0.534 J	0.18 U	0.154 U	0.356 U	0.31 U	0.534 JT
G441	LW2-G441	0.56	1.11 J	1.66 J	0.0586 U	0.608	3.94 JT
G442	LW2-G442	0.231 J	0.45 NJ	0.0253 U	0.172 NJ	0.192 J	1.05 JT
G443	LW2-G443	0.172 U	0.172 U	0.172 U	0.172 U	0.172 U	0.172 UT
G444	LW2-G444	17.9	22 J	21.5 J	1.35 J	4.67 J	67.4 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G445	LW2-G445	0.892 J	0.186 J	0.0235 U	0.0543 U	0.615 J	1.69 JT
G446	LW2-G446	0.162 UJ	0.102 UJ	0.0875 U	0.202 U	0.176 U	0.202 UT
G450-1	LW2-G450-1	1.1	1.24 J	3.47 J	0.275 J	1.27 J	7.36 JT
G450-2	LW2-G450-2	0.565 J	0.454 J	3.85 J	0.198 U	0.198 U	4.87 JT
G451	LW2-G451	0.098 J	0.122 NJ	0.0209 U	0.122 J	0.042 U	0.342 JT
G453	LW2-G453	203 J	445 NJ	0.155 UJ	11.8 J	0.312 UJ	660 JT
G454	LW2-G454	0.179 UJ	0.113 UJ	0.0969 U	0.224 U	0.195 U	0.224 UT
G455	LW2-G455	2.38 J	2.69 J	4.72 J	0.43 J	1.69 J	11.9 JT
G456	LW2-G456	2.67 NJ	2.08 NJ	0.107 UJ	0.248 UJ	4.26 NJ	9.01 JT
G457	LW2-G457	0.805 J	0.968 NJ	0.0276 UJ	0.64 NJ	0.812 J	3.23 JT
G458	LW2-G458	0.172 J	0.282 J	0.187 U	0.187 U	0.187 U	0.454 JT
G459	LW2-G459	0.0347 UJ	0.11 NJ	0.0188 U	0.0434 U	0.0378 U	0.11 JT
G461	LW2-G461	0.36 J	1.21 NJ	0.0319 UJ	0.0739 UJ	0.354 J	1.92 JT
G463	LW2-G463	0.0397 UJ	0.0251 UJ	0.0215 U	0.0497 U	0.0432 U	0.0497 UT
G465	LW2-G465	0.086 J	0.194 NJ	0.0187 U	0.0431 U	0.066 J	0.346 JT
G466	LW2-G466	0.092 J	0.303 NJ	0.0267 UJ	0.0618 UJ	0.153 J	0.548 JT
G467	LW2-G467	1.01 J	1.44 NJ	0.0917 U	1.54 J	0.185 U	3.99 JT
G468	LW2-G468	0.328 J	1.08 NJ	0.0321 UJ	0.0742 UJ	0.263 J	1.67 JT
G469	LW2-G469	0.091 J	0.102 J	0.182 UJ	0.182 UJ	0.182 UJ	0.193 JT
G470	LW2-G470	0.109 J	0.317 NJ	0.0253 U	0.0586 U	0.051 U	0.426 JT
G472	LW2-G472	0.155 J	0.0236 UJ	0.0202 U	0.0467 U	0.0407 U	0.155 JT
G473	LW2-G473	3.41 J	4.58 NJ	0.131 U	1.46	2.99 NJ	12.4 JT
G474	LW2-G474	0.234 J	0.345 J	0.195 U	0.195 U	0.298 J	0.877 JT
G475-1	LW2-G475-1	0.16 J	0.379 NJ	0.0257 U	0.194 NJ	0.258 J	0.991 JT
G475-2	LW2-G475-2	0.0495 UJ	0.0312 UJ	0.0268 U	0.0619 U	0.0539 U	0.0619 UT
G476	LW2-G476	0.042 UJ	0.088 NJ	0.0227 U	0.074 J	0.0458 U	0.162 JT
G477	LW2-G477	1.38 J	0.144 UJ	0.123 U	1.47	0.248 U	2.85 JT
G478	LW2-G478	0.148 J	0.0299 UJ	0.0257 UJ	0.0594 UJ	0.286 J	0.434 JT
G479	LW2-G479	0.158 J	0.585 J	0.0287 UJ	0.0663 UJ	0.216 J	0.959 JT
G480	LW2-G480	0.401 J	0.961 NJ	0.0939 U	0.217 U	0.189 U	1.36 JT
G481	LW2-G481	0.105 J	0.237 NJ	0.0239 U	0.0553 U	0.0482 U	0.342 JT
G482	LW2-G482	0.412 NJ	0.685 NJ	0.0324 UJ	0.0749 UJ	0.411 J	1.51 JT
G483	LW2-G483	0.0516 UJ	0.0326 UJ	0.028 UJ	0.0646 UJ	0.0563 UJ	0.0646 UJT
G484	LW2-G484	0.146 J	0.304 NJ	0.0297 U	0.0687 U	0.179 NJ	0.629 JT
G485	LW2-G485	0.371 J	0.592 J	0.0232 UJ	0.257 NJ	0.367 J	1.59 JT
G486	LW2-G486	0.178 NJ	0.312 NJ	0.0292 U	0.0676 U	0.0589 U	0.49 JT
G487	LW2-G487	0.16 J	0.0211 UJ	0.0181 UJ	0.0418 UJ	0.0364 UJ	0.16 JT
G488	LW2-G488	0.286 J	0.971 NJ	0.0299 UJ	0.069 UJ	0.437 J	1.69 JT
G489	LW2-G489	0.218 J	0.515 NJ	0.0315 UJ	0.0729 UJ	0.272 J	1.01 JT
G490	LW2-G490	0.295 J	0.58 NJ	0.0311 U	0.3 NJ	0.298 NJ	1.47 JT
G491	LW2-G491	0.269 J	0.18 NJ	0.0284 UJ	0.27 NJ	0.197 J	0.916 JT
G492-1	LW2-G492-1	0.156 JT	0.535 JT	1.62 JT	0.146 UT	0.122 JT	2.43 JT
G492-2	LW2-G492-2	0.107 J	0.647 J	0.588 J	0.147 U	0.213 J	1.56 JT
G493	LW2-G493	0.323 NJ	0.42 NJ	0.176 UJ	0.176 U	0.198	0.941 JT
G494	LW2-G494	0.661 J	0.477 NJ	0.0278 U	0.298 J	0.0559 U	1.44 JT
G495	LW2-G495	0.378 NJ	0.0394 U	0.0338 U	0.289 NJ	0.0681 U	0.667 JT
G496	LW2-G496	0.102 J	0.0219 U	0.992 J	0.0435 U	0.089 J	1.18 JT
G497	LW2-G497	0.44 J	0.303 J	6.81 J	0.151 UJ	0.214 J	7.77 JT
G498	LW2-G498	0.341 J	0.513 NJ	0.027 U	0.352 J	0.25 NJ	1.46 JT
G499	LW2-G499	0.221	0.439 J	0.178 U	0.178 U	0.248 J	0.908 JT
G500	LW2-G500	0.639 U	0.273 NJ	0.639 U	0.639 U	0.639 U	0.273 JT
G501	LW2-G501	0.222 J	0.703 NJ	0.0341 U	0.185 J	0.0687 U	1.11 JT
G502	LW2-G502	0.492 U	0.492 U	0.492 U	0.492 U	0.492 U	0.492 UT
G503	LW2-G503	0.187 U	0.118 U	7.61 J	0.464 J	0.203 U	8.07 JT
G504	LW2-G504	0.788 NJ	0.111 NJ	0.46 J	0.337 NJ	0.807 NJ	2.5 JT
G505	LW2-G505	5.36 U	7.04 J	5.36 U	5.36 U	5.36 U	7.04 JT
G506	LW2-G506	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 UT
G507	LW2-G507	0.076 J	0.35 NJ	0.121 U	0.121 U	0.054 J	0.48 JT
G508	LW2-G508	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 UT
G509	LW2-G509	0.268 J	0.274 NJ	0.147 U	0.255 NJ	0.25	1.05 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
G510	LW2-G510	0.31 J	0.436 J	0.179 U	0.153 J	0.319 J	1.22 JT
G511	LW2-G511	0.163 J	0.402 NJ	0.144 U	0.144 U	0.194	0.759 JT
G512	LW2-G512	0.168 J	0.302 NJ	0.131 U	0.128 NJ	0.125 J	0.723 JT
G513	LW2-G513	0.183	0.353 J	0.134 U	0.134 U	0.29 J	0.826 JT
G514	LW2-G514	0.213	0.357 J	0.169 U	0.188 NJ	0.235 J	0.993 JT
G515	LW2-G515	0.217	0.476 J	0.168 U	0.256 NJ	0.231 J	1.18 JT
G516	LW2-G516	0.463 J	0.798 NJ	0.598 U	0.598 U	0.248 NJ	1.51 JT
G517	LW2-G517	0.293	0.545 NJ	0.133 U	0.287 NJ	0.327 J	1.45 JT
G518	LW2-G518	1.29 U	1.29 U	1.29 U	1.29 U	1.29 U	1.29 UT
G519-1	LW2-G519-1	0.111 J	0.13 NJ	0.486 NJ	0.0775 U	0.099 J	0.826 JT
G519-2	LW2-G519-2	0.183 J	0.154 NJ	0.0342 U	0.0792 U	0.378 NJ	0.715 JT
G520	LW2-G520	0.464	0.769 NJ	0.0351 U	0.555 NJ	0.825 NJ	2.61 JT
G521	LW2-G521	0.924 J	0.393 NJ	0.153 U	0.353 U	0.783 J	2.1 JT
BT001	LW2-GBT001	0.0755 J	0.0801 J	0.0635 U	0.0304 J	0.0633 J	0.249 JT
BT002	LW2-GBT002	0.112 J	0.142 J	0.0634 U	0.0361 J	0.101 J	0.391 JT
BT003	LW2-GBT003	0.095 JT	0.111 JT	0.0601 UT	0.0234 JT	0.0579 JT	0.287 JT
BT004	LW2-GBT004	0.00955 J	0.0105 J	0.056 U	0.00457 J	0.0103 J	0.0349 JT
BT005	LW2-GBT005	0.072 J	0.0963 J	0.0637 U	0.0317 J	0.06 J	0.26 JT
BT0061	LW2-GBT006-1	0.0584 J	0.0718 J	0.0684 U	0.0219 J	0.0529 J	0.205 JT
BT0062	LW2-GBT006-2	0.0669 JT	0.0875 JT	0.0613 UT	0.0225 JT	0.0613 JT	0.238 JT
BT007	LW2-GBT007	0.125 J	0.142 J	0.0171 U	0.0522 J	0.111 J	0.43 JT
BT008	LW2-GBT008	0.486	0.543	0.0123 U	0.187 J	0.365 J	1.58 JT
BT009	LW2-GBT009	0.347 J	0.368 J	0.0652 U	0.171 J	0.32 J	1.21 JT
BT010	LW2-GBT010	0.907	1.14	0.0589 U	0.317 J	0.746	3.11 JT
BT011	LW2-GBT011	0.305 J	0.267 J	0.0683 U	0.123 J	0.266 J	0.961 JT
BT012	LW2-GBT012	0.114 J	0.185 J	0.216 U	0.0545 J	0.0811 J	0.435 JT
BT013	LW2-GBT013	0.0634 J	0.0866 J	0.00617 U	0.0308 J	0.0619 J	0.243 JT
BT014	LW2-GBT014	0.149 J	0.17 J	0.485 U	0.05 J	0.109 J	0.478 JT
BT015	LW2-GBT015	0.177 J	0.229 J	0.12 U	0.0774 J	0.18 J	0.663 JT
BT016	LW2-GBT016	0.237 J	0.233 J	0.0675 U	0.106 J	0.196 J	0.772 JT
BT017	LW2-GBT017	0.819	1.14	0.2 U	0.248 J	0.783	2.99 JT
BT018	LW2-GBT018	0.188 J	0.281 J	0.155 U	0.0922 J	0.176 J	0.737 JT
BT019	LW2-GBT019	0.184 JT	0.187 JT	0.00484 JT	0.0861 JT	0.164 JT	0.626 JT
BT020	LW2-GBT020	0.309 J	0.355 J	0.0112 U	0.0918 J	0.238 J	0.994 JT
BT021	LW2-GBT021	0.148 J	0.204 J	0.0649 U	0.0578 J	0.115 J	0.525 JT
BT022	LW2-GBT022	0.2 J	0.22 J	0.0702 U	0.0944 J	0.196 J	0.71 JT
BT023	LW2-GBT023	0.214 J	0.218 J	0.00555 U	0.0965 J	0.197 J	0.726 JT
BT024	LW2-GBT024	0.172 J	0.201 J	0.00694 U	0.0763 J	0.133 J	0.582 JT
BT025	LW2-GBT025	0.483 T	0.519 T	0.00195 UT	0.17 JT	0.324 JT	1.5 JT
BT026	LW2-GBT026	0.111 J	0.151 J	0.0127 U	0.0582 J	0.108 J	0.428 JT
BT0271	LW2-GBT027-1	0.163 J	0.185 J	0.00782 U	0.0642 J	0.147 J	0.559 JT
BT0272	LW2-GBT027-2	0.16 JT	0.15 JT	0.00296 UT	0.0578 JT	0.118 JT	0.486 JT
BT028	LW2-GBT028	9.09	12.8	0.0382 U	1.07	4.17	27.1 T
BT029	LW2-GBT029	0.626	0.71	0.0041 U	0.23 J	0.543	2.11 JT
BT030	LW2-GBT030	0.64	0.67	0.0672 U	0.151 J	0.342 J	1.8 JT
BT031	LW2-GBT031	0.0674 J	0.0704 J	0.00273 U	0.0286 J	0.0767 J	0.243 JT
BT032	LW2-GBT032	0.934	0.881	0.0225 U	0.233 J	0.608	2.66 JT
BT033	LW2-GBT033	0.301 J	0.263 J	0.0682 U	0.094 J	0.237 J	0.895 JT
U1C-1	LW2-U1C-1	0.082 U	0.167 U	0.0206 U	0.0476 UJ	0.0415 U	0.167 UT
U1C-2	LW2-U1C-2	0.0358 U	0.113 U	0.0194 U	0.0448 UJ	0.0391 U	0.113 UT
U1C-3	LW2-U1C-3	0.0437 U	0.078 U	0.0237 U	0.0547 UJ	0.0477 U	0.078 UT
U2C-1	LW2-U2C-1	0.123 U	0.267 U	0.0256 U	0.128 J	0.057 J	0.185 JT
U2C-2	LW2-U2C-2	0.142	0.351 U	0.0225 U	0.052 UJ	0.0453 U	0.142 T
U2C-3	LW2-U2C-3	0.062 U	0.117 U	0.0216 U	0.0499 UJ	0.0434 U	0.117 UT
U3C-1	LW2-U3C-1	0.0373 U	0.0236 U	0.0202 U	0.0467 U	0.0407 U	0.0467 UT
U3C-2	LW2-U3C-2	0.11 NJ	0.0268 U	0.0229 U	0.053 U	0.06 J	0.17 JT
U3C-3	LW2-U3C-3	0.057 J	0.0256 U	0.0219 U	0.0508 U	0.0442 U	0.057 JT
U4Q-1	LW2-U4Q-1	0.29 NJ	0.121 NJ	0.0258 U	0.155	0.116 J	0.682 JT
U4Q-2	LW2-U4Q-2	0.192 NJ	0.299 NJ	0.0228 U	0.0528 U	0.102 J	0.593 JT
U4Q-3	LW2-U4Q-3	0.0415 U	0.218 NJ	0.0225 U	0.0519 U	0.131 J	0.349 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
U5Q-1	LW2-U5Q-1	0.0351 U	0.09 J	0.019 U	0.0439 U	0.0382 U	0.09 JT
U5Q-2	LW2-U5Q-2	0.035 U	0.0221 U	0.0189 U	0.0438 U	0.0381 U	0.0438 UT
U5Q-3	LW2-U5Q-3	0.0365 U	0.0231 U	0.0198 U	0.0457 U	0.0398 U	0.0457 UT
U6TOC-1	LW2-U6TOC-1	0.214 NJ	0.153 NJ	0.0244 U	0.0565 U	0.0492 U	0.367 JT
U6TOC-2	LW2-U6TOC-2	0.478 NJ	0.113 NJ	0.0407 U	0.213 NJ	0.376 NJ	1.18 JT
U6TOC-3	LW2-U6TOC-3	0.289 NJ	0.061 NJ	0.0385 U	0.0891 U	0.0776 U	0.35 JT
02R001	LWG0102R001SDS015C00	0.91 U	4.6 U	16 U	3.3 U	0.39 U	16 UT
02R015	LWG0102R015SDS015C00	1.2 U	0.19 U	16 U	7.3 U	0.39 U	16 UT
03B030	LWG0103B030SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
03B031	LWG0103B031SDS015C00	0.19 U	0.19 U	0.4 U	0.39 U	0.39 U	0.4 UT
03B033	LWG0103B033SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
03R001	LWG0103R001SDS015C00	0.22 U	0.2 U	0.39 U	0.39 U	0.39 U	0.39 UT
03R002	LWG0103R002SDS015C00	0.4 U	1.8 U	0.39 U	1 U	0.39 U	1.8 UT
03R003	LWG0103R003SDS015C10	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
03R003	LWG0103R003SDS015C20	0.2 U	0.2 U	0.39 U	0.39 U	0.39 U	0.39 UT
03R003	LWG0103R003SDS015C31	0.2 UT	0.2 UT	0.39 UT	0.39 UT	0.39 UT	0.39 UT
03R004	LWG0103R004SDS015C11	0.54 UT	0.2 UT	2.9 UT	0.39 UT	0.39 UT	2.9 UT
03R004	LWG0103R004SDS015C20	0.32 U	0.75 U	2.2 U	1.4 U	0.39 U	2.2 UT
03R004	LWG0103R004SDS015C30	0.25 U	0.45 U	1 U	1 U	0.39 U	1 UT
03R005	LWG0103R005SDS015C00	0.2 U	0.2 U	21 U			21 UT
03R032	LWG0103R032SDS015C00	0.25 U	0.6 U	0.39 U	0.39 U	0.39 U	0.6 UT
03R034	LWG0103R034SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
03R040	LWG0103R040SDS015C00	2 U	2 U	3.9 U	3.9 U	3.9 U	3.9 UT
03R041	LWG0103R041SDS015C00	0.2 U	0.48 U	0.4 U	0.4 U	0.51 U	0.51 UT
04B023	LWG0104B023SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
04B024	LWG0104B024SDS015C00	3.2 J	2.7	0.38 U	0.38 U	0.38 U	5.9 JT
04R002	LWG0104R002SDS015C00	6.7 U	2 U	3.9 U	3.9 U	3.9 U	6.7 UT
04R003	LWG0104R003SDS015C00	0.33 U	0.61 U	0.39 U	0.62 U	0.39 U	0.62 UT
04R004	LWG0104R004SDS015C00	0.21 U	0.4 U	0.39 U	0.52 U	0.39 U	0.52 UT
05B018	LWG0105B018SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
05B019	LWG0105B019SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
05R001	LWG0105R001SDS015C00	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.4 UT
05R003	LWG0105R003SDS015C00	0.25 U	5.2 U	0.39 U	5.4 U	0.39 U	5.4 UT
05R020	LWG0105R020SDS015C00	0.25 U	0.44 U	0.39 U	0.39 U	0.39 U	0.44 UT
05R040	LWG0105R040SDS015C00	9.2 U	1.9 U	0.38 U	0.38 U	0.38 U	9.2 UT
05R041	LWG0105R041SDS015C00	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.4 UT
06B022	LWG0106B022SDS015C00	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.4 UT
06B025	LWG0106B025SDS015C00	3.9 U	3.9 U	7.7 U	7.7 U	7.7 U	7.7 UT
06B026	LWG0106B026SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
06B029	LWG0106B029SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
06B030	LWG0106B030SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
06R001	LWG0106R001SDS015C00	0.58 U	1.9 U	0.42 U	0.54 U	0.39 U	1.9 UT
06R002	LWG0106R002SDS015C10	0.19 U	0.63 U	0.64 U	2.3 U	0.38 U	2.3 UT
06R002	LWG0106R002SDS015C20	0.2 U	0.48 U	0.39 U	1.1 U	0.39 U	1.1 UT
06R002	LWG0106R002SDS015C31	0.2 UT	0.43 UT	0.39 UT	1.4 UT	0.39 UT	1.4 UT
06R004	LWG0106R004SDS015C00	1.6 U	1.6 U	0.87 U	2.7 U	0.38 U	2.7 UT
06R031	LWG0106R031SDS015C00	0.52 U	0.54 U	0.39 U	0.72 U	0.39 U	0.72 UT
06R040	LWG0106R040SDS015C00	R	R	R	R	R	RT
07B022	LWG0107B022SDS015C00	0.2 U	0.2 U	0.39 U	0.39 U	0.39 U	0.39 UT
07B023	LWG0107B023SDS015C00	0.56 U	0.44 U	0.39 U	0.39 U	0.39 U	0.56 UT
07B024	LWG0107B024SDS015C00	0.19 U	4.1 U	0.5 U	1.3 U	0.38 U	4.1 UT
07R003	LWG0107R003SDS015C00	65 U	65 U	130 U	130 U	130 U	130 UT
07R004	LWG0107R004SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
07R006	LWG0107R006SDS015C00	53 U	230 U	110 U	110 U	110 U	230 UT
07R030	LWG0107R030SDS015C00	0.2 U	0.2 U	0.39 U	0.39 U	0.39 U	0.39 UT
07R040	LWG0107R040SDS015C00	0.26 U	0.35 U	0.39 U	0.39 U	0.39 U	0.39 UT
08B032	LWG0108B032SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
08R001	LWG0108R001SDS015C00	0.27 U	0.46 U	0.4 U	0.76 U	0.4 U	0.76 UT
08R002	LWG0108R002SDS015C00	0.19 U	0.2 U	0.39 U	0.39 U	0.39 U	0.39 UT
08R003	LWG0108R003SDS015C00	0.2 U	0.2 U	0.4 U	0.4 U	0.4 U	0.4 UT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
08R040	LWG0108R040SDS015C00	0.44 U	0.2 U	2.3 U	6 U	0.39 U	6 UT
08R041	LWG0108R041SDS015C00	1.3 U	1.8 U	1.7 U	1.1 U	0.39 U	1.8 UT
09B024	LWG0109B024SDS015C00	0.19 U	0.19 U	0.38 U	0.38 U	0.38 U	0.38 UT
09B026	LWG0109B026SDS015C00	0.19 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
09B027	LWG0109B027SDS015C10	0.2 U	0.27 U	0.39 U	0.39 U	0.39 U	0.39 UT
09B027	LWG0109B027SDS015C20	0.2 U	0.39 U	0.39 U	1.6 U	0.39 U	1.6 UT
09B027	LWG0109B027SDS015C31	0.2 UT	0.24 UT	0.39 UT	0.39 UT	0.39 UT	0.39 UT
09B028	LWG0109B028SDS015C00	0.25 U	0.19 U	0.39 U	0.39 U	0.39 U	0.39 UT
09R001	LWG0109R001SDS015C10	0.19 U	11 U	0.39 U	1.2 U	1.7 U	11 UT
09R001	LWG0109R001SDS015C20	0.39 U	0.9 U	0.39 U	1.1 U	0.39 U	1.1 UT
09R001	LWG0109R001SDS015C31	0.97 UT	2.3 UT	0.7 UT	2.8 UT	0.39 UT	2.8 UT
09R002	LWG0109R002SDS015C00	0.65 U	1.2 U	0.82 U	3.4 U	0.38 U	3.4 UT
09R040	LWG0109R040SDS015C00	0.23 U	0.5 U	0.39 U	0.39 U	0.39 U	0.5 UT
09R041	LWG0109R041SDS015C00	0.19 U	0.4 U	0.38 U	1.9 U	0.38 U	1.9 UT
AP02APG	LWG2-PG-AP2A	0.69 UJ	11 UJ	3.4	2.4 U	3.7 U	3.4 T
AP02DPG	LWG2-PG-AP2D	1.1 UJ	9.4 UJ	1.5 U	41 U	2 U	41 UT
AP04CPG	LWG2-PG-AP4C	5.7 J	18 UJ	19 J	74 U	4 U	24.7 JT
AP04CPG2	LWG2-PG-AP4C-2	3 J	56 UJ	17	13 U	4 U	20 JT
CP07APG	LWG2-PG-CP7A	0.87 UJ	8.8 UJ	1.8 J	0.86 U	3.4 U	1.8 JT
CP07DPG	LWG2-PG-CP7D	1.4 UJ	1.4 UJ	2.3	6.8 U	0.84 U	2.3 T
CP09APG	LWG2-PG-CP9A	8.8 UJ	23 UJ	12 U	8.6 U	28 J	28 JT
CP09DPG	LWG2-PG-CP9D	1.2 UJ	1.3 UJ	1.7 U	2 U	0.75 U	2 UT
R2AP02PG	LWG2-PG-R2AP2	2.1 UJ	8.8 UJ	4 U	49 U	4 U	49 UT
R2RP03PG	LWG2-PG-R2RP3	0.74 UJ	0.3 UJ	0.26 U	17 NJ	2	19 JT
RP03CPG	LWG2-PG-RP3C	2.1 NJ	0.82 UJ	0.11 U	0.35 U	0.23 U	2.1 JT
RP07BPG	LWG2-PG-RP7B	2 UJ	2 UJ	3.4 U	2 U	2 U	3.4 UT
NA-2B	NA-2B-0031	0.343	0.535 J	0.0295 U	0.275 NJ	0.351 NJ	1.5 JT
NA-3B	NA-3B-0034	0.795 NJ	0.296 NJ	0.521 J	0.148 J	0.865 NJ	2.63 JT
NA-4B	NA-4B-0024	0.878 NJ	0.388 NJ	0.0346 U	0.44 NJ	0.55 NJ	2.26 JT
WR-PG-01	WLCDRD05PG00101	0.29 U	1.1 U	0.42 U	1.1 U	0.42 U	1.1 UT
WR-PG-02	WLCDRD05PG00202	0.3 U	1.1 U	0.43 U	0.43 U	0.43 U	1.1 UT
WR-PG-03	WLCDRD05PG00303	0.27 U	0.66 NJ	0.39 U	0.39 U	0.39 U	0.66 JT
WR-PG-04	WLCDRD05PG00404	0.88 U	0.12 U	0.32 U	1.1 U	0.32 U	1.1 UT
WR-PG-06	WLCDRD05PG00606	0.26 U	0.63 NJ	0.38 U	0.38 U	0.38 U	0.63 JT
WR-PG-09	WLCDRD05PG00909	0.26 U	0.39 J	0.37 U	0.37 U	0.37 U	0.39 JT
WR-PG-11	WLCDRD05PG01111	0.27 U	1 U	0.39 U	0.39 U	0.39 U	1 UT
WR-PG-12	WLCDRD05PG01212	0.23 U	0.6 J	0.34 U	0.34 U	0.34 U	0.6 JT
WR-PG-13	WLCDRD05PG01313	0.24 U	0.63 J	0.52 U	0.35 U	0.35 U	0.63 JT
WR-PG-14	WLCDRD05PG01414	0.28 U	0.57 J	0.4 U	0.4 U	0.4 U	0.57 JT
WR-PG-15	WLCDRD05PG01515	0.24 U	0.44 NJ	0.35 U	0.35 U	0.35 U	0.44 JT
WR-PG-16	WLCDRD05PG01616	1 U	1 U	1.2 NJ	1.5 UJ	0.75 UJ	1.2 JT
WR-PG-17	WLCDRD05PG01717	0.25 U	0.42 NJ	0.36 U	0.78 U	0.36 U	0.42 JT
WR-PG-18	WLCDRD05PG01818	0.23 U	0.47 J	0.33 U	0.33 U	0.33 U	0.47 JT
WR-PG-19	WLCDRD05PG01919	0.25 U	0.14 U	0.36 U	0.36 U	0.36 U	0.36 UT
WR-PG-21	WLCDRD05PG02121	0.22 U	0.66 NJ	0.32 U	1 U	0.32 U	0.66 JT
WR-PG-22	WLCDRD05PG02222	0.28 U	0.6 J	0.41 U	0.41 U	0.41 U	0.6 JT
WR-PG-23	WLCDRD05PG02323	0.53 U	1.1 U	0.57 U	3 U	0.48 U	3 UT
WR-PG-24	WLCDRD05PG02424	0.25 U	1.7 NJ	0.37 U	2.3 U	0.37 U	1.7 JT
WR-PG-26	WLCDRD05PG02626	0.14 U	0.076 U	1 U	0.21 U	0.21 U	1 UT
WR-PG-27	WLCDRD05PG02727	0.15 U	1 U	1 U	12 U	0.22 U	12 UT
WR-PG-29	WLCDRD05PG02929	0.27 U	0.6 NJ	0.39 U	0.39 U	0.39 U	0.6 JT
WR-PG-30	WLCDRD05PG03030	0.26 U	0.18 U	0.38 U	0.64 U	0.38 U	0.64 UT
WR-PG-33	WLCDRD05PG03333	0.18 U	0.18 J	0.26 U	0.63 U	0.26 U	0.18 JT
WR-PG-34	WLCDRD05PG03434	0.3 U	0.4 J	0.44 U	0.44 U	0.44 U	0.4 JT
WR-PG-35	WLCDRD05PG03535	0.23 U	0.31 J	0.33 U	0.33 U	0.33 U	0.31 JT
WR-PG-36	WLCDRD05PG03636	0.21 U	0.13 U	0.3 U	1 U	0.3 U	1 UT
WR-PG-37	WLCDRD05PG03737	0.22 U	0.6 J	0.31 U	0.61 U	0.31 U	0.6 JT
WR-PG-39	WLCDRD05PG03939	0.22 U	0.42 J	0.32 U	0.32 U	0.32 U	0.42 JT
WR-PG-41	WLCDRD05PG04141	0.21 U	0.3 U	0.3 U	0.54 U	0.3 U	0.54 UT
WR-PG-42	WLCDRD05PG04242	1.8 U	1 U	1 NJ	1 U	1.6 U	1 JT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
WR-PG-43	WLCDRD05PG04343	0.25 U	0.74 NJ	0.36 U	0.36 U	0.36 U	0.74 JT
WR-PG-45	WLCDRD05PG04545	0.21 U	0.46 J	0.3 U	0.53 U	0.3 U	0.46 JT
WR-PG-47	WLCDRD05PG04747	0.25 U	0.65 NJ	1 U	0.35 U	0.35 U	0.65 JT
WR-PG-48	WLCDRD05PG04848	0.24 U	0.62 U	0.35 U	0.49 U	0.35 U	0.62 UT
WR-PG-50	WLCDRD05PG05050	1 U	1 U	1.6	2.5 U	0.97 J	2.57 JT
WR-PG-52	WLCDRD05PG05252	1 U	1 U	1.6 J	1.2 U	0.74 U	1.6 JT
WR-PG-54	WLCDRD05PG05454	1 U	1 U	0.56 U	1 U	0.37 U	1 UT
WR-PG-56	WLCDRD05PG05656	0.22 U	1.2 U	0.48 U	1.6 U	0.31 U	1.6 UT
WR-PG-58	WLCDRD05PG05858	1.1 U	86 J	0.51 U	2.7 U	0.29 U	86 JT
WR-PG-60	WLCDRD05PG06060	0.53 J	4.2 NJ	1 U	4.2 U	1 U	4.73 JT
WR-PG-61	WLCDRD05PG06161	0.24 U	0.13 U	0.39 U	0.5 U	0.35 U	0.5 UT
WR-PG-62	WLCDRD05PG06262	0.25 U	1 U	2.1 NJ	1 U	0.35 U	2.1 JT
WR-PG-63	WLCDRD05PG06363	0.2 U	1 U	0.29 U	0.29 U	0.29 U	1 UT
WR-PG-64	WLCDRD05PG06464	0.26 U	1 U	2.4 J	22 U	0.38 U	2.4 JT
WR-PG-66	WLCDRD05PG06666	0.28 U	1 U	1.2 NJ	11 J	0.41 U	12.2 JT
WR-PG-68	WLCDRD05PG06868	1 U	7.3 U	1.7 U	14 U	2.4 U	14 UT
WR-PG-70	WLCDRD05PG07070	0.39 J	21 U	1.1 J	15 U	1.1 U	1.49 JT
WR-PG-72	WLCDRD05PG07272	0.29 U	11 U	0.43 U	0.43 U	1.1 U	11 UT
WR-PG-74	WLCDRD05PG07474	0.28 U	1.1 U	0.41 U	0.41 U	0.41 U	1.1 UT
WR-PG-76	WLCDRD05PG07676	0.28 U	0.36 J	0.4 U	0.4 U	0.4 U	0.36 JT
WR-PG-78	WLCDRD05PG07878	0.29 U	0.41 J	0.42 U	0.42 U	0.42 U	0.41 JT
WR-PG-80	WLCDRD05PG08080	0.27 U	0.44 J	0.4 U	1.1 U	0.4 U	0.44 JT
WR-PG-82	WLCDRD05PG08282	0.22 U	0.42 NJ	0.32 U	0.32 U	0.32 U	0.42 JT
WR-PG-84	WLCDRD05PG08484	0.27 U	0.37 J	0.39 U	0.39 U	0.39 U	0.37 JT
WR-PG-86	WLCDRD05PG08686	0.29 U	0.44 J	0.42 U	0.54 U	0.42 U	0.44 JT
WR-PG-88	WLCDRD05PG08888	0.31 U	0.46 J	0.45 U	0.45 U	0.45 U	0.46 JT
WR-PG-90	WLCDRD05PG09090	0.31 U	0.64 J	0.45 U	0.45 U	0.45 U	0.64 JT
WR-PG-92	WLCDRD05PG09292	0.31 U	0.87 NJ	0.45 U	0.45 U	0.45 U	0.87 JT
WR-PG-94	WLCDRD05PG09494	0.31 U	0.55 J	1.1 U	0.55 U	0.45 U	0.55 JT
WR-PG-96	WLCDRD05PG09696	0.34 U	0.35 J	0.5 U	0.5 U	0.5 U	0.35 JT
WR-PG-98	WLCDRD05PG09898	0.3 U	1.1 U	1.1 U	0.43 U	0.43 U	1.1 UT
WR-PG-100	WLCDRD05PG100100	0.33 U	0.84 NJ	0.48 U	0.48 U	0.48 U	0.84 JT
WR-PG-102	WLCDRD05PG102102	0.44 U	0.57 U	0.42 U	0.48 U	0.42 U	0.57 UT
WR-PG-104	WLCDRD05PG104104	0.3 U	0.91 J	0.44 U	0.44 U	0.44 U	0.91 JT
WR-PG-106	WLCDRD05PG106106	0.27 U	1.4 NJ	0.44 U	3.2 J	0.38 U	4.6 JT
WR-PG-108	WLCDRD05PG108108	0.16 U	0.9 J	1 U	2 U	0.23 U	0.9 JT
WR-PG-112	WLCDRD05PG112112	0.28 U	0.91 NJ	0.41 U	1.2 U	0.41 U	0.91 JT
WR-PG-114	WLCDRD05PG114114	0.25 U	0.26 J	0.37 U	0.44 U	0.37 U	0.26 JT
WR-PG-116	WLCDRD05PG116116	0.26 U	0.47 NJ	0.38 U	0.38 U	0.38 U	0.47 JT
WR-PG-118	WLCDRD05PG118118	0.27 U	0.25 J	0.39 U	0.39 U	0.39 U	0.25 JT
WR-PG-120	WLCDRD05PG120120	0.4 U	0.73 NJ	0.57 U	0.57 U	0.57 U	0.73 JT
WR-PG-122	WLCDRD05PG122122	0.27 U	0.53 J	0.39 U	1 U	0.39 U	0.53 JT
WR-PG-124	WLCDRD05PG124124	0.25 U	0.4 J	0.36 U	0.36 U	0.36 U	0.4 JT
WR-PG-126	WLCDRD05PG126126	0.22 U	0.31 J	0.32 U	0.32 U	0.32 U	0.31 JT
WR-PG-128	WLCDRD05PG128128	0.25 U	0.39 NJ	0.37 U	0.37 U	0.37 U	0.39 JT
WR-PG-130	WLCDRD05PG130130	0.24 U	1.4 NJ	1 U	0.53 U	0.35 U	1.4 JT
WR-PG-132	WLCDRD05PG132132	0.84 U	0.37 J	1.1 U	0.42 U	0.42 U	0.37 JT
WR-PG-134	WLCDRD05PG134134	0.23 U	0.27 J	1 U	0.34 U	0.33 U	0.27 JT
WR-PG-45	WLCDRD05PG135135Dup	0.21 U	0.5 J	0.3 U	0.38 U	0.3 U	0.5 JT
WR-PG-39	WLCDRD05PG136136Dup	0.22 U	0.34 J	0.32 U	0.33 U	0.32 U	0.34 JT
WR-PG-27	WLCDRD05PG137137Dup	0.16 U	0.084 U	0.37 J	0.23 UJ	0.23 U	0.37 JT
WR-PG-48	WLCDRD05PG138138Dup	0.24 U	0.75 U	1 U	1.2 U	0.35 U	1.2 UT
WR-PG-36	WLCDRD05PG139139Dup	0.21 U	0.4 J	0.3 U	0.43 U	0.3 U	0.4 JT
WR-PG-06	WLCDRD05PG140140Dup	0.26 U	0.67 NJ	0.38 U	0.38 U	0.38 U	0.67 JT
WR-PG-01	WLCDRD05PG141141Dup	0.29 U	0.84 U	0.42 U	0.42 U	0.42 U	0.84 UT
WR-PG-Ref01	WLCDRD05PGR01Ref01	0.18 U	0.095 U	0.26 U	0.26 U	0.26 U	0.26 UT
WR-PG-Ref02	WLCDRD05PGR02Ref02	0.17 U	0.13 U	0.25 U	0.25 U	0.25 U	0.25 UT
WR-PG-Ref03	WLCDRD05PGR03Ref03	0.24 U	0.19 J	0.34 U	0.34 U	0.34 U	0.19 JT
PP011801	WLCOFH0218011801	2.39 J	3.46 P	5.38 U	5.38 U	5.38 U	5.85 JT
PP011802	WLCOFH0218021802	18.4 P	15.3	5.36 U	6.88	19.1	59.7 T

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
PP011803	WLCOFH0218031803	9.75 JT	11.4 JT	4.71 UT	4.71 UT	10.1 T	31.3 JT
PP011805	WLCOFH0218051805	9.27	12.2 P	5.79 U	5.79 U	14.7	36.2 T
PP011806	WLCOFH0218061806	14.7	19.9 P	5.21 U	5.21 U	15.3	49.9 T
PP011807	WLCOFH0218071807	17.3 P	25.3 P	4.68 U	4.68 U	13.5 P	56.1 T
PP011808	WLCOFH0218081808	1.66 JP	7.23	4.71 U	4.71 U	9.19 P	18.1 JT
PP011809	WLCOFH0218091809	15 P	13.6 P	4.58 U	4.58 U	8.64 P	37.2 T
PP011810	WLCOFH0218101810	4.87 P	4.43 P	7.46 U	7.46 U	7.46 U	9.3 T
PP01M101	WLCOFH02M101M101	1.13 UT	2.51 JT	5.71 UT	5.71 UT	5.71 UT	2.51 JT
PP01M103	WLCOFH02M103M103	1.31 U	1.99 JP	6.59 U	6.59 U	6.59 U	1.99 JT
PP01M104	WLCOFH02M104M104	1.02 U	1.05 U	5.15 U	5.15 U	5.15 U	5.15 UT
PP01M105	WLCOFH02M105M105	1.57 J	2.3 JP	5.94 U	5.94 U	5.94 U	3.87 JT
PP01M106	WLCOFH02M106M106	0.975 U	0.996 U	4.9 U	4.9 U	4.9 U	4.9 UT
PP01M107	WLCOFH02M107M107	1.02 U	1.04 U	5.12 U	5.12 U	5.12 U	5.12 UT
PP01M108	WLCOFH02M108M108	1.15 U	1.17 U	5.78 U	5.78 U	5.78 U	5.78 UT
PP01M109	WLCOFH02M109M109	1.18 U	1.2 U	5.93 U	5.93 U	5.93 U	5.93 UT
PP01M110	WLCOFH02M110M110	0.988 U	1.01 U	4.97 U	4.97 U	4.97 U	4.97 UT
1901	WLCOFJ02190119010	1.29 UJ	1.31 UJ	3.24 UJ	8.24 J	3.24 UJ	8.24 JT
1902	WLCOFJ02190219020	3.61 UJ	4.21 J	7.22 UJ	60.1 J	7.22 UJ	64.3 JT
1903	WLCOFJ02190319030	1.19 UJ	1.21 UJ	2.99 UJ	10.2 J	2.99 UJ	10.2 JT
19A01	WLCOFJ0219A0119A010	1.05 UJ	1.08 UJ	2.65 UJ	2.65 UJ	2.65 UJ	2.65 UJT
19A02	WLCOFJ0219A0219A020	1.17 UJ	1.2 UJ	2.95 UJ	7.96 J	2.95 UJ	7.96 JT
19A03	WLCOFJ0219A0319A030	1.31 UJ	1.33 UJ	3.28 UJ	3.28 UJ	3.28 UJ	3.28 UJT
2201	WLCOFJ02220122010	0.984 UJ	1 UJ	2.47 UJ	2.47 UJ	2.47 UJ	2.47 UJT
2202	WLCOFJ02220222020	1.13 UJ	1.15 UJ	2.84 UJ	2.84 UJ	2.84 UJ	2.84 UJT
22031	WLCOFJ022203122031	1.14 UJ	1.17 UJ	2.87 UJ	2.87 UJ	2.87 UJ	2.87 UJT
2203	WLCOFJ02220322030	1.15 UJ	1.17 UJ	2.88 UJ	2.88 UJ	2.88 UJ	2.88 UJT
2204	WLCOFJ02220422040	1.59 UJ	1.63 UJ	4.01 UJ	4.01 UJ	4.01 UJ	4.01 UJT
2205	WLCOFJ02220522050	1.65 UJ	1.68 UJ	4.14 UJ	4.14 UJ	4.14 UJ	4.14 UJT
2206	WLCOFJ02220622060	1.49 UJ	1.53 UJ	3.76 UJ	3.76 UJ	3.76 UJ	3.76 UJT
22B01	WLCOFJ0222B0122B010	0.994 U	2.13 J	2.5 U	2.5 U	2.5 U	2.13 JT
22B02	WLCOFJ0222B0222B020	1.15 U	1.18 U	2.9 U	2.9 U	2.9 U	2.9 UT
22B03	WLCOFJ0222B0322B030	1.49 U	8.87	3.74 U	3.74 U	3.74 U	8.87 T
22B04	WLCOFJ0222B0422B040	16.4	8.55	10.7	21.1	2.96 U	56.8 T
22C01	WLCOFJ0222C0122C010	2.1 U	2.15 U	5.29 U	5.29 U	5.29 U	5.29 UT
22C02	WLCOFJ0222C0222C020	1 U	1.02 U	2.52 U	2.52 U	2.52 U	2.52 UT
22C03	WLCOFJ0222C0322C030	0.85 UT	0.868 UT	2.14 UT	2.14 UT	2.14 UT	2.14 UT
22C04	WLCOFJ0222C0422C040	3.43 U	3.5 U	8.62 U	8.62 U	8.62 U	8.62 UT
2401	WLCOFJ02240124010	0.795 UJ	0.812 UJ	2 UJ	2 UJ	2 UJ	2 UJT
2402	WLCOFJ02240224020	1.08 UJ	1.1 UJ	2.71 UJ	2.71 UJ	2.71 UJ	2.71 UJT
2403	WLCOFJ02240324030	1.16 UJ	1.19 UJ	2.92 UJ	2.92 UJ	2.92 UJ	2.92 UJT
2404	WLCOFJ02240424040	0.895 UJ	0.915 UJ	2.25 UJ	2.25 UJ	2.25 UJ	2.25 UJT
2405	WLCOFJ02240524050	1.18 UJ	1.21 UJ	2.98 UJ	2.98 UJ	2.98 UJ	2.98 UJT
4801	WLCOFJ02480148010	6.04	7.66	2.95 U	2.95 U	13.9	27.6 T
4802	WLCOFJ02480248020	0.814 U	0.831 U	2.05 U	2.05 U	2.05 U	2.05 UT
4803	WLCOFJ02480348030	1.05 U	1.07 U	2.64 U	2.64 U	2.64 U	2.64 UT
4804	WLCOFJ02480448040	0.98 U	1 U	2.47 U	2.47 U	2.47 U	2.47 UT
4805	WLCOFJ02480548050	0.997 U	1.02 U	2.51 U	2.51 U	2.51 U	2.51 UT
4806	WLCOFJ02480648060	1.73 U	1.76 U	4.34 U	4.34 U	4.34 U	4.34 UT
4901	WLCOFJ02490149010	0.772 UT	0.788 UT	1.94 UT	1.94 UT	1.94 UT	1.94 UT
4902	WLCOFJ02490249020	0.86 U	0.879 U	2.16 U	2.16 U	2.16 U	2.16 UT
4903	WLCOFJ02490349030	0.963 U	0.983 U	2.42 U	2.42 U	2.42 U	2.42 UT
4904	WLCOFJ02490449040	0.916 U	0.936 U	2.31 U	2.31 U	2.31 U	2.31 UT
4905	WLCOFJ02490549050	1.02 U	1.04 U	2.56 U	2.56 U	2.56 U	2.56 UT
4906	WLCOFJ02490649060	0.783 U	0.799 U	1.97 U	1.97 U	1.97 U	1.97 UT
5001	WLCOFJ02500150010	0.909 UJ	0.929 UJ	2.29 UJ	2.29 UJ	2.29 UJ	2.29 UJT
5002	WLCOFJ02500250020	0.86 UJ	0.878 UJ	2.16 UJ	2.16 UJ	2.16 UJ	2.16 UJT
5003	WLCOFJ02500350030	1.22 UJ	1.25 UJ	3.07 UJ	3.07 UJ	3.07 UJ	3.07 UJT
5004	WLCOFJ02500450040	0.935 UJ	0.955 UJ	2.35 UJ	2.35 UJ	2.35 UJ	2.35 UJT
5005	WLCOFJ02500550050	0.946 UJ	0.967 UJ	2.38 UJ	2.38 UJ	2.38 UJ	2.38 UJT
5006	WLCOFJ02500650060	1.13 UJ	1.15 UJ	2.84 UJ	2.84 UJ	2.84 UJ	2.84 UJT

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Table C2-7. Values Used in Total Chlordanes Calculations for Surface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
5201	WLCOFJ02520152010	0.846 U	0.864 U	2.13 U	7.74	2.13 U	7.74 T
5202	WLCOFJ02520252020	1.11 U	3.21	2.8 U	2.8 U	2.8 U	3.21 T
5203	WLCOFJ02520352030	1.22 U	1.25 U	3.08 U	3.08 U	3.08 U	3.08 UT
52A01	WLCOFJ0252A0152A010	0.824 U	0.842 U	2.07 U	2.07 U	2.07 U	2.07 UT
52A02	WLCOFJ0252A0252A020	1.02 U	1.05 U	2.58 U	2.58 U	2.58 U	2.58 UT
52A03	WLCOFJ0252A0352A030	2.83 U	2.83 U	5.67 U	10.3	5.67 U	10.3 T
52A04	WLCOFJ0252A0452A040	1.3 U	14.8	3.26 U	3.71 J	3.26 U	18.5 JT
52A05	WLCOFJ0252A0552A050	1.02 UJ	3.93 J	2.58 UJ	6.19 J	2.58 UJ	10.1 JT
52C01	WLCOFJ0252C0152C010	9.21 U	9.41 U	23.2 U	23.2 U	23.2 U	23.2 UT
52C02	WLCOFJ0252C0252C020	0.987 U	1.01 U	2.48 U	2.48 U	2.48 U	2.48 UT
52C03	WLCOFJ0252C0352C030	0.992 U	1.01 U	2.49 U	2.49 U	2.49 U	2.49 UT
52C04	WLCOFJ0252C0452C040	0.959 U	0.979 U	2.41 U	2.41 U	2.41 U	2.41 UT
52C05	WLCOFJ0252C0552C050	9.17 UT	9.37 UT	23.1 UT	23.1 UT	23.1 UT	23.1 UT
5301	WLCOFJ02530153010	1.24 UJ	6.24 J	3.11 UJ	3.11 UJ	3.11 UJ	6.24 JT
5302	WLCOFJ02530253020	0.861 UJ	0.879 UJ	2.17 UJ	2.17 UJ	2.17 UJ	2.17 UJT
5303	WLCOFJ02530353030	1.02 UJ	1.04 UJ	2.57 UJ	2.57 UJ	2.57 UJ	2.57 UJT
5304	WLCOFJ02530453040	1.07 UJ	1.09 UJ	2.69 UJ	2.69 UJ	2.69 UJ	2.69 UJT
5305	WLCOFJ02530553050	1.04 UJ	1.06 UJ	2.61 UJ	2.61 UJ	2.61 UJ	2.61 UJT
M0201	WLCOFJ02M0201M2010	2.36 U	2.36 U	4.72 U	4.72 U	4.72 U	4.72 UT
M0202	WLCOFJ02M0202M2020	0.983 U	1 U	2.47 U	2.47 U	2.47 U	2.47 UT
M02031	WLCOFJ02M02031M2031	0.971 U	0.992 U	2.44 U	2.44 U	2.44 U	2.44 UT
M0203	WLCOFJ02M0203M2030	0.884 U	0.903 U	2.22 U	2.22 U	2.22 U	2.22 UT
M0204	WLCOFJ02M0204M2040	0.951 U	0.971 U	2.39 U	2.39 U	2.39 U	2.39 UT
M0205	WLCOFJ02M0205M2050	1.25 U	1.27 U	3.14 U	3.14 U	3.14 U	3.14 UT
M0301	WLCOFJ02M0301M3010	24.5 UJ	25.1 UJ	61.8 UJ	61.8 UJ	100 J	100 JT
M0302	WLCOFJ02M0302M3020	1.01 U	1.03 U	2.53 U	2.53 U	2.53 U	2.53 UT
M0303	WLCOFJ02M0303M3030	10.3 UJ	10.5 UJ	25.9 UJ	25.9 UJ	25.9 UJ	25.9 UJT
M0304	WLCOFJ02M0304M3040	1.17 U	1.19 U	2.94 U	2.94 U	4.14 J	4.14 JT
M0305	WLCOFJ02M0305M3050	1.07 U	1.09 U	2.7 U	2.7 U	2.7 U	2.7 UT
S0201	WLCOFJ02S0201S2010	1.02 U	1.04 U	2.56 U	2.56 U	2.56 U	2.56 UT
S0202	WLCOFJ02S0202S2020	0.991 U	1.01 U	2.49 U	2.49 U	2.49 U	2.49 UT
S0203	WLCOFJ02S0203S2030	0.847 U	0.865 U	2.13 U	2.13 U	2.13 U	2.13 UT
S0204	WLCOFJ02S0204S2040	1.05 UJ	1.08 UJ	2.65 UJ	2.65 UJ	2.65 UJ	2.65 UJT
S0205	WLCOFJ02S0205S2050	0.913 UJ	0.933 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJT
S0501	WLCOFJ02S0501S5010	0.911 UJ	0.93 UJ	2.29 UJ	2.29 UJ	2.29 UJ	2.29 UJT
S0502	WLCOFJ02S0502S5020	1.51 UJ	1.54 UJ	3.79 UJ	3.79 UJ	3.79 UJ	3.79 UJT
S0503	WLCOFJ02S0503S5030	0.856 UJT	0.874 UJT	2.15 UJT	2.15 UJT	2.15 UJT	2.15 UJT
S0504	WLCOFJ02S0504S5040	0.929 UJ	0.949 UJ	2.34 UJ	2.34 UJ	2.34 UJ	2.34 UJT
S0505	WLCOFJ02S0505S5050	0.864 UJ	0.883 UJ	2.17 UJ	2.17 UJ	2.17 UJ	2.17 UJT
S0506	WLCOFJ02S0506S5060	0.996 UJ	1.02 UJ	2.51 UJ	2.51 UJ	2.51 UJ	2.51 UJT
S0507	WLCOFJ02S0507S5070	1.15 UJ	1.18 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJT
S0601	WLCOFJ02S0601S6010	1.43 U	1.46 U	3.59 U	3.59 U	3.59 U	3.59 UT

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
B001	LW2-B001	0.0293 U	0.0245 U	0.0752 UJ	0.0752 UJT
B002	LW2-B002	0.0279 U	0.0233 U	0.0717 UJ	0.0717 UJT
B003	LW2-B003	0.0307 U	0.0256 U	0.0788 UJ	0.0788 UJT
B004	LW2-B004	0.0286 U	0.0239 U	0.0734 UJ	0.0734 UJT
B005	LW2-B005	0.0276 U	0.0231 U	0.0709 UJ	0.0709 UJT
B006	LW2-B006	0.0267 U	0.049 U	0.0686 UJ	0.0686 UJT
B007	LW2-B007	0.0302 U	0.0252 U	0.0776 U	0.0776 UT
B008	LW2-B008	0.0247 U	0.0206 U	0.0633 U	0.0633 UT
B009	LW2-B009	0.037 J	0.0217 U	0.0665 UJ	0.037 JT
B010	LW2-B010	0.031 U	0.0259 U	0.0795 UJ	0.0795 UJT
B011	LW2-B011	0.097 NJ	0.225 NJ	0.0628 UJ	0.322 JT
B012	LW2-B012	0.0261 U	0.0218 U	0.067 U	0.067 UT
B015	LW2-B015	0.0243 U	0.726 NJ	0.0623 U	0.726 JT
B016	LW2-B016	0.0259 U	0.0217 U	0.0666 UJ	0.0666 UJT
B017	LW2-B017	0.0272 UJ	0.0227 UJ	0.0697 UJ	0.0697 UJT
B018	LW2-B018	0.0256 UJ	0.0214 UJ	0.0657 UJ	0.0657 UJT
B019	LW2-B019	0.03 J	0.109	0.0664 UJ	0.139 JT
B020	LW2-B020	0.0287 U	0.024 U	0.0736 U	0.0736 UT
B021	LW2-B021	0.0243 U	0.0203 U	0.0623 U	0.0623 UT
B022-1	LW2-B022-1	0.0299 U	0.0249 U	0.0766 UJ	0.0766 UJT
B022-2	LW2-B022-2	0.0307 U	0.0256 U	0.0787 UJ	0.0787 UJT
B023	LW2-B023	0.0252 U	0.082 U	0.0647 UJ	0.082 UT
B024	LW2-B024	0.0291 U	0.0243 U	0.0747 U	0.0747 UT
B025-1	LW2-B025-1	0.0259 UT	0.0216 UT	0.0665 UT	0.0665 UT
B025-2	LW2-B025-2	0.0263 U	0.022 U	0.0675 U	0.0675 UT
B026	LW2-B026	0.0351 U	0.0293 U	0.0899 UJ	0.0899 UJT
B050	LW2-B050	0.126 U	0.105 U	0.324 UJ	0.324 UJT
C060	LW2-C060-A	0.054 U	0.082 U	0.085 UJ	0.085 UJT
C084	LW2-C084-A	0.27 U	0.2 U	0.11 U	0.27 UT
C087	LW2-C087-A	0.2 U	0.23 U	0.1 U	0.23 UT
C093	LW2-C093-A	0.471 U	0.393 U	1.21 UJ	1.21 UJT
C094	LW2-C094-A	2 U	1.1 U	1.1 U	2 UT
C106	LW2-C106-A	0.31 U	0.12 UJ	0.79 U	0.79 UT
C109	LW2-C109-A	0.24 U	0.12 U	0.33 U	0.33 UT
C138	LW2-C138-A	0.13 U	0.88 NJ	0.2 U	0.88 JT
C144	LW2-C144-A	0.2 U	0.2 J	0.26 U	0.2 JT
C158	LW2-C158-A	0.19 U	0.11 U	0.22 U	0.22 UT
C162	LW2-C162-A	0.2 U	0.11 U	0.2 UJ	0.2 UJT
C167	LW2-C167-A	0.091 U	0.14 U	0.15 UJ	0.15 UJT
C169	LW2-C169-A	0.13 U	0.12 U	0.16 U	0.16 UT
C171	LW2-C171-A	0.18 U	0.19 J	0.14 U	0.19 JT
C196	LW2-C196-A	0.055 U	0.2 U	0.087 UJ	0.2 UT
C290	LW2-C290-A	0.048 U	0.073 U	0.075 U	0.075 UT
C291	LW2-C291-A	0.18 U	0.14 U	0.14 U	0.18 UT
C299	LW2-C299-A	1.8 U	5.7 U	1.8 U	5.7 UT
C300-1	LW2-C300-A	0.065 U	0.59	0.11 U	0.59 T
C312	LW2-C312-A	0.24 NJ	0.2 U	0.22 UJ	0.24 JT
C421	LW2-C421-A	1.6 NJ	0.86 U	0.11 U	1.6 JT
C436	LW2-C436-A	0.25 NJ	0.11 U	0.11 U	0.25 JT
C440	LW2-C440-A	0.2 U	0.11 U	0.11 U	0.2 UT
C447	LW2-C447-A	0.18 U	0.18 U	0.21 U	0.21 UT
C448	LW2-C448-A	0.33 U	0.13 U	0.2 U	0.33 UT
C449	LW2-C449-A	0.29 U	0.15 UJ	0.15 UJ	0.29 UT
C522	LW2-C522-A	0.079 U	0.13 NJ	0.55 UJ	0.13 JT
C523	LW2-C523-A	0.057 UJ	0.18 J	0.09 UJ	0.18 JT
C524	LW2-C524-A	0.19 U	1.2 U	0.3 UJ	1.2 UT
C525	LW2-C525-A	5 U	8.2	1.5 U	8.2 T
C527	LW2-C527-A	0.9 U	2.1 U	3.2 U	3.2 UT
C528	LW2-C528-A	0.09 U	0.44 U	0.85 U	0.85 UT
C529	LW2-C529-A	0.16 U	0.22 U	0.21 UJ	0.22 UT
C530	LW2-C530-A	0.2 U	0.3 U	0.52 UJ	0.52 UJT
C531	LW2-C531-A	0.34 U	0.83 U	1.5 U	1.5 UT
C532	LW2-C532-A	0.075 U	0.38 J	0.69 UJ	0.38 JT
C533	LW2-C533-A	0.19 U	0.29 U	1.8 UJ	1.8 UJT
D1-1	LW2-D1-1	0.0491 UT	0.041 UJT	0.126 UJT	0.126 UJT
D1-2	LW2-D1-2	0.053 U	0.0443 UJ	0.136 UJ	0.136 UJT
D2	LW2-D2	0.0367 U	0.0306 U	0.0941 UJ	0.0941 UJT
G001	LW2-G001	0.048 U	0.554 NJ	0.123 UJ	0.554 JT
G002	LW2-G002	0.0533 U	0.62 J	0.137 UJ	0.62 JT
G003	LW2-G003	0.0526 UJ	0.454 J	0.135 UJ	0.454 JT
G004	LW2-G004	0.0447 U	0.0373 U	0.115 UJ	0.115 UJT
G005	LW2-G005	0.0582 UJ	0.512 J	0.149 UJ	0.512 JT
G006	LW2-G006	0.0584 UJ	0.0488 UJ	0.15 UJ	0.15 UJT
G007-1	LW2-G007-1	0.0471 UJT	0.0394 UJT	0.121 UJT	0.121 UJT
G007-2	LW2-G007-2	0.0513 UJ	0.0429 UJ	0.132 UJ	0.132 UJT
G008	LW2-G008	0.0581 UJ	0.0485 UJ	0.149 UJ	0.149 UJT
G009	LW2-G009	0.033 U	0.0276 U	0.0848 UJ	0.0848 UJT
G010	LW2-G010	0.054 U	0.045 U	0.138 UJ	0.138 UJT
G011	LW2-G011	0.0388 U	0.0324 U	0.0995 UJ	0.0995 UJT
G012	LW2-G012	0.0472 UJ	0.0394 UJ	0.121 UJ	0.121 UJT
G013	LW2-G013	0.0547 UJ	0.0457 UJ	0.14 UJ	0.14 UJT
G014	LW2-G014	0.0575 UJ	0.048 UJ	0.148 UJ	0.148 UJT
G015	LW2-G015	0.0399 U	0.0333 U	0.102 UJ	0.102 UJT
G016	LW2-G016	0.0573 U	0.0479 U	0.147 UJ	0.147 UJT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
G017	LW2-G017	0.0479 U	0.04 U	0.123 UJ	0.123 UJT
G018	LW2-G018	0.0546 U	0.0456 U	0.14 UJ	0.14 UJT
G019	LW2-G019	0.0275 U	0.023 U	0.0706 UJ	0.0706 UJT
G020	LW2-G020	0.0498 U	0.0416 U	0.128 U	0.128 UT
G021	LW2-G021	0.0552 U	0.0461 U	0.142 UJ	0.142 UJT
G022	LW2-G022	0.0546 U	0.0456 U	0.14 UJ	0.14 UJT
G023-1	LW2-G023-1	0.452 JT	0.23 JT	0.0816 UJT	0.682 JT
G023-2	LW2-G023-2	0.0364 U	0.187 J	0.0933 UJ	0.187 JT
G024	LW2-G024	0.0522 U	0.0435 U	0.134 U	0.134 UT
G025	LW2-G025	0.0283 U	0.0236 U	0.0726 U	0.0726 UT
G026	LW2-G026	0.0523 U	0.0436 U	0.134 UJ	0.134 UJT
G027	LW2-G027	0.03 U	0.0251 U	0.0771 U	0.0771 UT
G028	LW2-G028	0.049 J	0.0374 U	0.115 U	0.049 JT
G029	LW2-G029	0.0398 U	0.0333 U	0.102 UJ	0.102 UJT
G030	LW2-G030	0.0556 U	0.0464 U	0.143 UJ	0.143 UJT
G031	LW2-G031	0.054 J	0.0366 U	0.113 U	0.054 JT
G032	LW2-G032	0.974 NJ	0.0494 U	0.768 NJ	1.74 JT
G033	LW2-G033	0.0373 U	0.0311 U	0.0957 U	0.0957 UT
G034	LW2-G034	0.0289 U	0.0241 U	0.074 U	0.074 UT
G035	LW2-G035	0.0449 U	0.0375 U	0.115 U	0.115 UT
G036	LW2-G036	0.0562 U	0.0469 U	0.144 UJ	0.144 UJT
G037	LW2-G037	0.0299 U	0.025 U	0.534 NJ	0.534 JT
G038	LW2-G038	0.172 U	0.144 U	0.442 UJ	0.442 UJT
G039	LW2-G039	0.0525 U	0.0438 U	0.135 UJ	0.135 UJT
G040	LW2-G040	0.0282 U	0.0235 U	0.0723 UJ	0.0723 UJT
G041	LW2-G041	0.039 U	0.0325 U	0.1 UJ	0.1 UJT
G042	LW2-G042	0.0482 U	0.0403 U	0.124 UJ	0.124 UJT
G043	LW2-G043	0.068 J	0.525 J	0.136 U	0.593 JT
G044-1	LW2-G044-1	0.0516 UT	0.352 JT	0.132 UJT	0.352 JT
G044-2	LW2-G044-2	0.0535 U	0.0447 U	0.137 UJ	0.137 UJT
G045	LW2-G045	0.0297 U	0.426 U	0.0761 U	0.426 UT
G046	LW2-G046	0.055 U	0.0459 U	0.141 U	0.141 UT
G047	LW2-G047	0.03 U	0.44 U	0.0771 U	0.44 UT
G048	LW2-G048	0.0297 U	0.345 U	0.0761 U	0.345 UT
G049	LW2-G049	0.072 J	0.428 U	0.0765 U	0.072 JT
G050	LW2-G050	0.0393 U	0.0328 U	0.101 U	0.101 UT
G051	LW2-G051	0.0487 U	0.0407 U	0.125 U	0.125 UT
G052	LW2-G052	0.0286 U	0.317 U	0.182 J	0.182 JT
G053	LW2-G053	0.029 U	0.0242 U	0.0743 U	0.0743 UT
G054	LW2-G054	0.0308 UJ	0.335 J	0.0791 UJ	0.335 JT
G055	LW2-G055	0.0416 U	0.0348 U	0.107 U	0.107 UT
G056	LW2-G056	0.0327 U	0.302 U	0.0839 U	0.302 UT
G057	LW2-G057	0.0394 U	0.0329 U	0.101 U	0.101 UT
G058	LW2-G058	0.0345 U	0.0288 U	0.0886 U	0.0886 UT
G059	LW2-G059	0.0286 U	0.266 U	0.0733 U	0.266 UT
G060	LW2-G060	0.0303 U	0.319 J	0.0778 UJ	0.319 JT
G062	LW2-G062	0.0295 U	0.233 U	0.0757 U	0.233 UT
G063	LW2-G063	0.05 U	0.47 J	0.128 UJ	0.47 JT
G064	LW2-G064	0.0329 U	0.0274 U	0.0843 UJ	0.0843 UJT
G065	LW2-G065	0.0396 U	0.0331 U	0.102 UJ	0.102 UJT
G066	LW2-G066	0.0404 U	0.0337 U	0.104 UJ	0.104 UJT
G067	LW2-G067	0.039 U	0.328 U	0.1 U	0.328 UT
G068	LW2-G068	0.0478 U	0.439	0.123 UJ	0.439 T
G069	LW2-G069	0.0406 U	0.0339 U	0.104 U	0.104 UT
G070	LW2-G070	0.0519 U	0.875 U	0.133 U	0.875 UT
G071	LW2-G071	0.0318 U	0.0265 U	0.0815 U	0.0815 UT
G072	LW2-G072	0.0494 U	0.731 U	0.127 U	0.731 UT
G073	LW2-G073	0.0298 U	0.241 U	0.0765 U	0.241 UT
G074	LW2-G074	0.048 J	0.1 U	0.0748 U	0.048 JT
G075-1	LW2-G075-1	0.0337 U	0.0281 U	0.0863 U	0.0863 UT
G075-2	LW2-G075-2	0.0361 U	0.0301 U	0.0926 U	0.0926 UT
G076	LW2-G076	0.0493 U	0.0411 U	0.126 U	0.126 UT
G077	LW2-G077	0.78 J	0.328 J	0.119 UJ	1.11 JT
G078	LW2-G078	0.0281 U	0.024 U	0.0721 U	0.0721 UT
G079	LW2-G079	0.0317 U	0.0264 U	0.0812 U	0.0812 UT
G080	LW2-G080	0.188 NJ	0.024 U	0.0738 U	0.188 JT
G081	LW2-G081	0.0489 U	0.0408 U	0.125 U	0.125 UT
G082	LW2-G082	0.0286 U	0.0239 U	0.0734 U	0.0734 UT
G083	LW2-G083	0.037 U	0.0309 U	0.0949 U	0.0949 UT
G085	LW2-G085	0.0408 U	0.0341 U	0.105 U	0.105 UT
G086	LW2-G086	0.0386 U	0.0322 U	0.0989 U	0.0989 UT
G088	LW2-G088	0.0415 U	0.0346 U	0.106 U	0.106 UT
G089	LW2-G089	0.0295 U	0.0246 U	0.0756 U	0.0756 UT
G090	LW2-G090	0.0424 U	0.0354 U	0.109 U	0.109 UT
G091	LW2-G091	0.403	1.96 J	0.111 U	2.36 JT
G092	LW2-G092	0.0663 U	0.0553 U	0.17 U	0.17 UT
G093	LW2-G093	0.0471 U	0.0393 U	0.121 UJ	0.121 UJT
G094	LW2-G094	0.402 U	0.335 U	1.03 UJ	1.03 UJT
G095	LW2-G095	0.132 J	0.31 U	0.078 U	0.132 JT
G096	LW2-G096	0.0372 U	0.031 U	0.0954 UJ	0.0954 UJT
G097	LW2-G097	0.0433 U	0.672 U	0.111 U	0.672 UT
G098	LW2-G098	0.0424 U	0.33 U	0.109 U	0.33 UT
G099	LW2-G099	0.0301 U	0.0251 U	0.0771 UJ	0.0771 UJT
G100	LW2-G100	0.0341 U	0.175 U	0.0876 U	0.175 UT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
G101	LW2-G101	0.0466 U	0.714 U	0.12 U	0.714 UT
G102	LW2-G102	0.0283 U	0.0237 U	0.0727 U	0.0727 UT
G103	LW2-G103	0.0417 U	0.0348 U	0.107 UJ	0.107 UJT
G104	LW2-G104	0.0417 U	0.398 U	0.107 U	0.398 UT
G105	LW2-G105	0.0401 U	0.0334 U	0.103 UJ	0.103 UJT
G106	LW2-G106	0.0372 U	0.031 U	0.0954 UJ	0.0954 UJT
G107	LW2-G107	0.155	0.613 U	0.0965 U	0.155 T
G108	LW2-G108	0.0457 U	0.0381 U	0.117 UJ	0.117 UJT
G109	LW2-G109	0.0398 UJ	0.0332 UJ	0.102 UJ	0.102 UJT
G110	LW2-G110	0.0498 U	0.713 U	0.128 U	0.713 UT
G111	LW2-G111	1.28 J	1.91 J	0.102 U	3.19 JT
G112	LW2-G112	0.043 U	0.0359 U	0.11 UJ	0.11 UJT
G113	LW2-G113	0.0528 U	0.41 UJ	0.135 UJ	0.41 UJT
G116	LW2-G116	0.0492 U	0.0411 U	0.126 UJ	0.126 UJT
G117	LW2-G117	0.282 J	0.4 J	0.102 UJ	0.682 JT
G119	LW2-G119	0.0331 U	0.276 NJ	0.0849 UJ	0.276 JT
G120	LW2-G120	0.0525 U	0.479	0.135 UJ	0.479 T
G121	LW2-G121	0.0461 U	0.0385 U	0.118 UJ	0.118 UJT
G122	LW2-G122	0.578 J	0.473 J	1.76 J	2.81 JT
G123	LW2-G123	0.0395 U	0.227 J	0.101 UJ	0.227 JT
G124	LW2-G124	0.155 U	0.13 U	0.399 UJ	0.399 UJT
G125	LW2-G125	0.0517 UJ	0.0432 UJ	0.133 UJ	0.133 UJT
G126	LW2-G126	0.0303 U	0.285 NJ	0.0776 UJ	0.285 JT
G127	LW2-G127	0.0421 UJ	0.304 J	0.108 UJ	0.304 JT
G128	LW2-G128	0.0392 U	0.343 J	0.101 UJ	0.343 JT
G129	LW2-G129	0.251 UJ	0.374 NJ	0.643 UJ	0.374 JT
G130	LW2-G130	0.0326 U	0.241 J	0.0837 UJ	0.241 JT
G131	LW2-G131	0.0538 U	0.0449 U	0.138 UJ	0.138 UJT
G132	LW2-G132	0.191 UJ	0.159 UJ	0.489 UJ	0.489 UJT
G133	LW2-G133	0.0488 UJ	0.351 J	0.125 UJ	0.351 JT
G134	LW2-G134	0.0572 U	0.668 NJ	0.147 UJ	0.668 JT
G136	LW2-G136	0.0553 UJ	0.0462 UJ	0.142 UJ	0.142 UJT
G137	LW2-G137	0.0546 U	0.532 NJ	0.14 UJ	0.532 JT
G139	LW2-G139	0.0409 UJ	0.0341 UJ	0.105 UJ	0.105 UJT
G140-1	LW2-G140-1	0.0333 UJT	0.0278 UJT	0.0855 UJT	0.0855 UJT
G140-2	LW2-G140-2	0.0292 U	0.0244 U	0.0749 UJ	0.0749 UJT
G141	LW2-G141	0.0409 U	0.382 NJ	0.105 UJ	0.382 JT
G142	LW2-G142	0.0355 U	0.0296 U	0.091 UJ	0.091 UJT
G143	LW2-G143	0.0406 U	0.0339 U	0.104 UJ	0.104 UJT
G146	LW2-G146	0.143 UJ	0.12 UJ	0.368 UJ	0.368 UJT
G147	LW2-G147	0.031 U	0.0259 U	0.0795 UJ	0.0795 UJT
G149	LW2-G149	0.037 U	0.373 NJ	0.0949 UJ	0.373 JT
G150	LW2-G150	0.0486 U	0.0406 U	0.125 UJ	0.125 UJT
G153	LW2-G153	0.047 U	0.511	0.12 UJ	0.511 T
G154	LW2-G154	0.0483 U	0.472 J	0.124 UJ	0.472 JT
G155	LW2-G155	0.207 U	0.173 U	0.532 UJ	0.532 UJT
G157	LW2-G157	0.158 U	0.132 U	0.406 UJ	0.406 UJT
G159	LW2-G159	0.0288 U	0.756 NJ	0.0738 UJ	0.756 JT
G160	LW2-G160	0.312 U	0.261 U	0.801 UJ	0.801 UJT
G161	LW2-G161	0.297 U	0.248 U	0.762 UJ	0.762 UJT
G163	LW2-G163	0.0287 U	0.191 J	0.0735 UJ	0.191 JT
G164	LW2-G164	0.0281 U	0.151 J	0.0721 UJ	0.151 JT
G165	LW2-G165	0.0448 U	0.374 J	0.115 UJ	0.374 JT
G166	LW2-G166	0.0328 U	0.222 J	0.084 UJ	0.222 JT
G168	LW2-G168	0.18 UJ	0.694 J	0.461 UJ	0.694 JT
G170	LW2-G170	0.0346 U	0.348 J	0.0889 UJ	0.348 JT
G172	LW2-G172	0.0513 U	0.741 J	0.132 UJ	0.741 JT
G175	LW2-G175	0.0374 U	0.401 J	0.0959 UJ	0.401 JT
G176	LW2-G176	0.0284 U	0.209 J	0.073 UJ	0.209 JT
G178	LW2-G178	0.0317 U	0.0265 UJ	0.0814 UJ	0.0814 UJT
G179	LW2-G179	0.0333 UJ	0.0278 U	0.0853 UJ	0.0853 UJT
G180	LW2-G180	0.0291 U	0.859 J	0.0745 UJ	0.859 JT
G181	LW2-G181	0.0477 U	0.0398 U	0.122 UJ	0.122 UJT
G182	LW2-G182	0.029 UJ	0.188 J	0.0745 UJ	0.188 JT
G183	LW2-G183	0.0291 U	0.244 J	0.0747 UJ	0.244 JT
G184	LW2-G184	0.0313 U	0.0261 U	0.0803 UJ	0.0803 UJT
G186	LW2-G186	0.0295 U	0.467 J	0.0757 UJ	0.467 JT
G187	LW2-G187	0.0336 U	0.242 J	0.0863 UJ	0.242 JT
G188	LW2-G188	0.0478 U	0.526 J	0.123 UJ	0.526 JT
G189	LW2-G189	0.0438 UJ	0.421 J	0.112 UJ	0.421 JT
G190	LW2-G190	0.204 U	0.434 J	0.524 UJ	0.434 JT
G191	LW2-G191	0.0283 U	0.0236 U	0.0725 U	0.0725 UT
G192	LW2-G192	0.0382 U	0.0319 U	0.098 UJ	0.098 UJT
G193	LW2-G193	0.166 UJ	0.138 UJ	0.425 UJ	0.425 UJT
G194	LW2-G194	0.0298 U	0.382 J	0.0764 UJ	0.382 JT
G195	LW2-G195	0.0438 U	0.291 J	0.112 U	0.291 JT
G197-1	LW2-G197-1	0.0339 U	0.0283 U	0.0869 U	0.0869 UT
G197-2	LW2-G197-2	0.0377 U	0.0315 U	0.0967 UJ	0.0967 UJT
G198	LW2-G198	0.0378 U	0.0316 U	0.097 UJ	0.097 UJT
G199	LW2-G199	0.191 U	0.159 U	0.49 UJ	0.49 UJT
G200	LW2-G200	0.0381 U	0.0318 U	0.0976 UJ	0.0976 UJT
G202	LW2-G202	0.7 NJ	0.174 U	0.535 UJ	0.7 JT
G203-1	LW2-G203-1	0.0436 UJT	0.0364 UJT	0.112 UJT	0.112 UJT
G203-2	LW2-G203-2	0.0399 U	0.0333 U	0.102 UJ	0.102 UJT

Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9		1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan		Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg		µg/kg	µg/kg
Location Name	**Sample ID**					
G204	LW2-G204	0.036 U	0.03 U		0.0922 UJ	0.0922 UJT
G205	LW2-G205	0.0303 U	0.0253 UJ		0.0778 UJ	0.0778 UJT
G206	LW2-G206	0.203 U	0.17 U		0.522 UJ	0.522 UJT
G207	LW2-G207	0.21 U	0.175 U		0.538 UJ	0.538 UJT
G208	LW2-G208	0.158 UJ	0.132 UJ		0.406 UJ	0.406 UJT
G209	LW2-G209	0.171 U	0.143 U		0.439 UJ	0.439 UJT
G210	LW2-G210	0.436 U	0.364 U		1.12 UJ	1.12 UJT
G212-1	LW2-G212-1	0.0361 U	0.0301 U		0.0926 U	0.0926 UT
G212-2	LW2-G212-2	0.0357 U	0.0298 U		0.0917 U	0.0917 UT
G213	LW2-G213	0.206 U	0.172 U		0.527 UJ	0.527 UJT
G214-1	LW2-G214-1	0.0444 U	0.0371 U	R		0.0444 UT
G215	LW2-G215	0.0374 UJ	0.0312 UJ		0.096 UJ	0.096 UJT
G216	LW2-G216	0.0279 U	0.0233 U		0.0717 U	0.0717 UT
G217	LW2-G217	0.0281 U	0.0234 U		0.072 UJ	0.072 UJT
G218	LW2-G218	0.0302 U	0.0252 U		0.0774 U	0.0774 UT
G220	LW2-G220	0.0363 UJ	0.0303 UJ		0.093 UJ	0.093 UJT
G221	LW2-G221	0.0321 UJ	0.0268 UJ		0.0824 UJ	0.0824 UJT
G222	LW2-G222	0.185 U	0.154 U		0.474 UJ	0.474 UJT
G224	LW2-G224	0.186 UJ	0.155 UJ		0.478 UJ	0.478 UJT
G225	LW2-G225	0.147 UJ	0.123 UJ		0.378 UJ	0.378 UJT
G226	LW2-G226	0.043 U	0.0359 U		0.11 U	0.11 UT
G227	LW2-G227	0.0295 U	0.332 J		0.0757 UJ	0.332 JT
G228	LW2-G228	0.0453 U	0.734 J		0.116 UJ	0.734 JT
G229	LW2-G229	0.205 UJ	0.172 UJ		0.527 UJ	0.527 UJT
G230	LW2-G230	0.0423 U	0.0353 U		0.109 UJ	0.109 UJT
G231	LW2-G231	0.164 U	0.137 U		0.422 UJ	0.422 UJT
G232	LW2-G232	0.202 U	0.168 U		0.518 U	0.518 UT
G233	LW2-G233	0.179 U	0.15 U		0.46 UJ	0.46 UJT
G234	LW2-G234	0.138 U	0.116 U		0.355 UJ	0.355 UJT
G235	LW2-G235	0.0257 U	0.155 J		0.069 J	0.224 JT
G236	LW2-G236	1.07 J	0.0304 U		0.0934 U	1.07 JT
G237	LW2-G237	0.244 U	0.204 U		0.626 UJ	0.626 UJT
G238	LW2-G238	0.0463 U	0.0387 U		0.119 U	0.119 UT
G239	LW2-G239	0.0403 U	0.0336 U		0.103 U	0.103 UT
G240	LW2-G240	0.0429 U	0.0359 U		0.11 UJ	0.11 UJT
G241	LW2-G241	0.0377 U	0.0315 U		0.0968 U	0.0968 UT
G242	LW2-G242	0.0417 U	0.304 J		0.107 UJ	0.304 JT
G243	LW2-G243	0.0418 U	0.396 J		0.107 U	0.396 JT
G244	LW2-G244	0.176 U	0.147 U		0.451 UJ	0.451 UJT
G245	LW2-G245	0.0434 U	0.0362 U		0.111 UJ	0.111 UJT
G246	LW2-G246	0.0496 UJ	0.375 J		0.127 UJ	0.375 JT
G247	LW2-G247	0.179 U	0.15 U		0.46 UJ	0.46 UJT
G248	LW2-G248	0.0282 U	0.249 J		0.0724 U	0.249 JT
G249	LW2-G249	0.16 U	0.134 U		0.41 UJ	0.41 UJT
G250-1	LW2-G250	0.0302 U	0.0252 UJ		0.0774 UJ	0.0774 UJT
G251-1	LW2-G251-1	0.0449 U	0.612		0.115 UJ	0.612 T
G251-2	LW2-G251-2	0.0471 U	0.0393 U		0.121 UJ	0.121 UJT
G252	LW2-G252	0.0314 U	0.434 J		0.0804 UJ	0.434 JT
G253	LW2-G253	0.143 U	0.119 U		0.366 UJ	0.366 UJT
G254	LW2-G254	0.349 U	0.291 U		0.896 UJ	0.896 UJT
G255	LW2-G255	0.18 U	0.15 U		0.461 U	0.461 UT
G257	LW2-G257	0.0328 U	0.0274 U		0.0841 U	0.0841 UT
G258	LW2-G258	0.0282 U	0.401		0.0724 U	0.401 T
G259	LW2-G259	0.0432 UJ	0.0361 UJ		0.111 UJ	0.111 UJT
G260	LW2-G260	0.0281 U	0.187 J		0.0722 UJ	0.187 JT
G261	LW2-G261	0.0279 U	0.0233 U		0.0716 U	0.0716 UT
G263	LW2-G263	0.181 U	0.151 U		0.464 U	0.464 UT
G264	LW2-G264	13.6 NJ	0.221 UJ		0.68 UJ	13.6 JT
G266	LW2-G266	0.0372 U	0.0311 U		0.0954 U	0.0954 UT
G267	LW2-G267	0.0453 U	0.0378 U		0.116 U	0.116 UT
G268	LW2-G268	0.0451 U	0.0377 U		0.116 UJ	0.116 UJT
G269	LW2-G269	21.1 NJ	0.208 UJ		0.64 UJ	21.1 JT
G270-1	LW2-G270-1	0.0496 U	0.0414 U		0.127 UJ	0.127 UJT
G270-2	LW2-G270-2	0.0532 U	0.0444 U		0.136 UJ	0.136 UJT
G271	LW2-G271	0.0271 U	0.0227 U		0.0696 U	0.0696 UT
G272	LW2-G272	0.0346 U	0.0289 U		0.0888 U	0.0888 UT
G273	LW2-G273	0.2 UJ	0.167 UJ		0.513 UJ	0.513 UJT
G274	LW2-G274	0.308 U	0.257 UJ		0.789 UJ	0.789 UJT
G276	LW2-G276	3.41 NJ	0.233 U		0.717 U	3.41 JT
G277	LW2-G277	0.0451 U	0.0376 UJ		0.116 U	0.116 UT
G278	LW2-G278	13.5 NJ	0.234 U		0.719 U	13.5 JT
G280	LW2-G280	0.0504 U	0.0421 UJ		0.129 U	0.129 UT
G282	LW2-G282	0.285 U	0.238 U		0.731 UJ	0.731 UJT
G283	LW2-G283	0.219 UJ	0.183 UJ		0.563 UJ	0.563 UJT
G284	LW2-G284	0.281 U	0.235 U		0.721 U	0.721 UT
G285	LW2-G285	0.0284 U	0.503 J		0.0729 U	0.503 JT
G288	LW2-G288	0.214 U	0.179 U		0.55 UJ	0.55 UJT
G292	LW2-G292	0.433 U	0.361 U		1.11 UJ	1.11 UJT
G293	LW2-G293	0.0455 U	0.038 U		0.117 UJ	0.117 UJT
G294-1	LW2-G294-1	0.0494 UJ	0.0412 UJ		0.127 UJ	0.127 UJT
G294-2	LW2-G294-2	0.0478 UJT	0.0399 UJT		0.123 UJT	0.123 UJT
G295	LW2-G295	0.0473 U	0.0395 UJ		0.121 U	0.121 UT
G296	LW2-G296	0.0452 U	0.0377 U		0.116 U	0.116 UT
G298	LW2-G298	44.1 NJ	0.35 U		1.08 UJ	44.1 JT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
G301	LW2-G301	0.416 U	0.347 U	1.07 UJ	1.07 UJT
G302	LW2-G302	0.489 U	0.408 U	1.25 UJ	1.25 UJT
G303	LW2-G303	0.0405 U	0.0338 UJ	0.104 UJ	0.104 UJT
G305	LW2-G305	0.0488 U	0.0408 U	0.125 U	0.125 UT
G306	LW2-G306	0.032 U	0.437 NJ	0.082 UJ	0.437 JT
G307	LW2-G307	0.0418 U	0.0349 U	0.107 UJ	0.107 UJT
G308	LW2-G308	0.187 U	0.156 U	0.479 UJ	0.479 UJT
G309	LW2-G309	0.0521 U	0.0435 U	0.134 UJ	0.134 UJT
G310	LW2-G310	0.0491 U	0.041 U	0.126 UJ	0.126 UJT
G311-1	LW2-G311-1	0.0438 UJT	3.14 JT	0.112 UJT	3.14 JT
G311-2	LW2-G311-2	0.0381 UJ	0.285 J	0.0978 UJ	0.285 JT
G313	LW2-G313	0.0431 U	0.036 U	0.111 UJ	0.111 UJT
G314	LW2-G314	0.106 U	0.0888 U	0.273 UJ	0.273 UJT
G315	LW2-G315	0.194 U	0.162 U	0.498 UJ	0.498 UJT
G316	LW2-G316	0.15 U	0.193 UJ	0.385 UJ	0.385 UJT
G317	LW2-G317	0.0343 U	0.0287 U	0.0881 UJ	0.0881 UJT
G318	LW2-G318	0.158 U	0.132 U	0.404 UJ	0.404 UJT
G319	LW2-G319	0.0299 U	0.537 NJ	0.0767 UJ	0.537 JT
G320	LW2-G320	0.154 U	0.459 NJ	0.394 UJ	0.459 JT
G321	LW2-G321	0.0317 U	0.0264 U	0.0812 UJ	0.0812 UJT
G322	LW2-G322	0.199 U	0.166 U	0.51 UJ	0.51 UJT
G323	LW2-G323	0.145 U	0.121 U	0.373 UJ	0.373 UJT
G324-1	LW2-G324-1	0.0305 UJ	0.0255 UJ	0.0782 UJ	0.0782 UJT
G324-2	LW2-G324-2	0.0288 UJ	0.0241 UJ	0.0739 UJ	0.0739 UJT
G325	LW2-G325	0.0339 U	0.0283 U	0.0871 UJ	0.0871 UJT
G326	LW2-G326	0.0338 U	0.0282 U	0.0867 UJ	0.0867 UJT
G327	LW2-G327	0.163 U	0.136 U	0.419 UJ	0.419 UJT
G328	LW2-G328	0.0316 U	0.0263 U	0.0809 UJ	0.0809 UJT
G329	LW2-G329	0.0275 U	0.0229 U	0.0704 UJ	0.0704 UJT
G330	LW2-G330	0.249 U	0.208 U	0.639 UJ	0.639 UJT
G331	LW2-G331	0.15 U	0.125 U	0.384 UJ	0.384 UJT
G332	LW2-G332	0.0472 UJ	0.0394 UJ	0.121 UJ	0.121 UJT
G333	LW2-G333	0.213 U	0.178 U	0.547 UJ	0.547 UJT
G334	LW2-G334	0.0433 UJ	235 NJ	0.111 UJ	235 JT
G335	LW2-G335	0.145 U	0.121 U	0.373 UJ	0.373 UJT
G336	LW2-G336	0.0296 U	0.0247 U	0.076 UJ	0.076 UJT
G337	LW2-G337	0.0482 U	0.0402 U	0.124 UJ	0.124 UJT
G338	LW2-G338	0.0477 U	0.0398 U	0.122 UJ	0.122 UJT
G339	LW2-G339	0.208 UJ	0.173 U	0.533 UJ	0.533 UJT
G340	LW2-G340	0.037 U	0.0309 U	0.0949 UJ	0.0949 UJT
G341	LW2-G341	0.0477 U	0.0398 U	0.122 UJ	0.122 UJT
G342	LW2-G342	0.0446 U	0.0372 U	0.114 UJ	0.114 UJT
G343	LW2-G343	0.0453 UJ	0.512 J	0.116 UJ	0.512 JT
G344	LW2-G344	0.0495 U	0.0413 U	0.127 UJ	0.127 UJT
G345-1	LW2-G345-1	0.0433 UJT	0.424 JT	0.111 UJT	0.424 JT
G345-2	LW2-G345-2	0.042 UJ	0.23 NJ	0.108 UJ	0.23 JT
G346	LW2-G346	0.05 U	0.0417 U	0.128 UJ	0.128 UJT
G347	LW2-G347	0.0502 U	0.0419 U	0.129 UJ	0.129 UJT
G348	LW2-G348	0.164 U	0.137 U	0.42 UJ	0.42 UJT
G349	LW2-G349	0.0455 U	0.038 U	0.117 UJ	0.117 UJT
G350	LW2-G350	0.0418 U	0.0349 U	0.107 UJ	0.107 UJT
G351	LW2-G351	0.212 U	0.177 U	0.545 UJ	0.545 UJT
G351-2	LW2-G351-2	0.44 UT	0.367 UT	1.13 UT	1.13 UT
G352	LW2-G352	0.0426 U	0.425 J	0.109 UJ	0.425 JT
G353-1	LW2-G353-1	0.228 U	0.19 U	0.584 U	0.584 UT
G353-2	LW2-G353-2	0.215 UJ	0.179 UJ	0.551 UJ	0.551 UJT
G354	LW2-G354	0.051 U	0.3 J	0.131 UJ	0.3 JT
G355	LW2-G355	0.312 U	0.26 UJ	0.8 UJ	0.8 UJT
G356	LW2-G356	0.28 U	0.233 U	0.717 U	0.717 UT
G357	LW2-G357	0.0367 U	0.0306 U	0.0941 UJ	0.0941 UJT
G358	LW2-G358	0.0523 U	0.0436 U	0.134 U	0.134 UT
G359	LW2-G359	0.051 U	0.0426 U	0.131 UJ	0.131 UJT
G360	LW2-G360	0.432 U	0.361 UJ R		0.432 UT
G361	LW2-G361	0.0521 U	0.47 NJ	0.134 U	0.47 JT
G362-1	LW2-G362-1	0.05 UT	0.0418 UT	0.128 UJT	0.128 UJT
G362-2	LW2-G362-2	0.247 U	0.206 U	0.634 UJ	0.634 UJT
G363	LW2-G363	0.166 U	0.166 U	0.166 UJ	0.166 UJT
G364	LW2-G364	0.0347 U	0.0289 U	0.089 UJ	0.089 UJT
G365	LW2-G365	0.0382 U	0.0319 U	0.0981 UJ	0.0981 UJT
G366	LW2-G366	0.253 U	0.212 U	0.65 UJ	0.65 UJT
G367	LW2-G367	0.0322 U	0.0269 UJ	0.0827 UJ	0.0827 UJT
G368	LW2-G368	0.257 U	0.561 J	0.659 UJ	0.561 JT
G369	LW2-G369	0.0557 U	0.496 J	0.143 U	0.496 JT
G370	LW2-G370	0.252 U	0.21 U	0.645 UJ	0.645 UJT
G371	LW2-G371	0.166 U	0.138 U	0.425 UJ	0.425 UJT
G372-1	LW2-G372-1	0.202 UT	0.202 UT	0.202 UJT	0.202 UJT
G372-2	LW2-G372-2	0.212 U	0.212 U	0.212 UJ	0.212 UJT
G374	LW2-G374	0.0549 U	0.334 J	0.141 U	0.334 JT
G376	LW2-G376	0.0531 U	0.0443 UJ	0.136 UJ	0.136 UJT
G377	LW2-G377	0.142 U	0.119 U	0.364 UJ	0.364 UJT
G378	LW2-G378	0.0466 U	0.387 J	0.119 UJ	0.387 JT
G379	LW2-G379	0.33 U	0.276 U	0.847 UJ	0.847 UJT
G380	LW2-G380	0.141 U	0.118 U	0.363 UJ	0.363 UJT
G381	LW2-G381	0.048 U	0.0401 U	0.123 U	0.123 UT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
G382	LW2-G382	0.0573 U	0.0478 U	0.147 UJ	0.147 UJT
G383	LW2-G383	0.282 U	0.235 U	0.723 UJ	0.723 UJT
G384-1	LW2-G384-1	0.0631 UT	0.0526 UT	0.162 UT	0.162 UT
G384-2	LW2-G384-2	0.0699 U	0.0584 U	0.179 U	0.179 UT
G385	LW2-G385	0.0615 U	0.0513 UJ	0.158 UJ	0.158 UJT
G386	LW2-G386	0.0389 UJ	0.0325 U	0.0999 UJ	0.0999 UJT
G387	LW2-G387	0.064 U	0.0535 U	0.164 U	0.164 UT
G389	LW2-G389	0.0345 U	0.0288 UJ	0.0885 UJ	0.0885 UJT
G390	LW2-G390	0.301 UJ	0.251 UJ	0.772 UJ	0.772 UJT
G391	LW2-G391	0.0528 U	0.0441 U	0.136 U	0.136 UT
G392	LW2-G392	0.0436 U	0.0364 U	0.112 UJ	0.112 UJT
G393	LW2-G393	5.07 U	4.23 U	13 UJ	13 UJT
G394	LW2-G394	0.193 UJ	0.161 UJ	0.495 UJ	0.495 UJT
G395	LW2-G395	0.0398 UJ	0.287 J	0.102 UJ	0.287 JT
G396	LW2-G396	0.0358 U	0.0299 U	0.0918 UJ	0.0918 UJT
G397	LW2-G397	0.23 U	0.23 U	0.23 UJ	0.23 UJT
G398	LW2-G398	0.204 U	0.204 U	0.204 UJ	0.204 UJT
G399	LW2-G399	0.167 UJ	0.14 UJ	0.429 UJ	0.429 UJT
G401	LW2-G401	0.2 U	0.167 U	0.513 UJ	0.513 UJT
G403	LW2-G403	0.0296 U	0.0247 U	0.076 UJ	0.076 UJT
G404	LW2-G404	0.0447 U	0.556 NJ	0.115 UJ	0.556 JT
G405	LW2-G405	0.14 U	0.117 U	0.36 UJ	0.36 UJT
G406	LW2-G406	0.0398 U	0.385 NJ	0.102 UJ	0.385 JT
G407	LW2-G407	0.0394 U	0.0329 U	0.101 UJ	0.101 UJT
G408	LW2-G408	0.0618 U	0.0516 UJ	0.159 UJ	0.159 UJT
G409	LW2-G409	0.0431 U	0.036 U	0.11 UJ	0.11 UJT
G410-1	LW2-G410-1	0.0566 U	0.0473 U	0.145 UJ	0.145 UJT
G410-2	LW2-G410-2	0.0596 U	0.346 J	0.153 UJ	0.346 JT
G411	LW2-G411	0.0287 U	0.0239 U	0.0736 UJ	0.0736 UJT
G412	LW2-G412	0.0428 U	0.316 J	0.11 UJ	0.316 JT
G413	LW2-G413	0.943 NJ	0.0234 U	0.0719 UJ	0.943 JT
G414	LW2-G414	0.0444 U	0.0371 U	0.114 UJ	0.114 UJT
G415	LW2-G415	0.229 U	0.191 U	0.588 UJ	0.588 UJT
G416	LW2-G416	0.0627 U	0.0524 UJ	0.161 UJ	0.161 UJT
G417	LW2-G417	0.0308 U	0.0257 U	0.0791 UJ	0.0791 UJT
G418	LW2-G418	0.056 U	0.0467 U	0.144 UJ	0.144 UJT
G419	LW2-G419	0.0465 U	0.423 J	0.119 UJ	0.423 JT
G420	LW2-G420	0.043 U	0.0359 U	0.11 UJ	0.11 UJT
G422	LW2-G422	0.0375 U	0.0313 U	0.0961 UJ	0.0961 UJT
G423	LW2-G423	0.0498 U	0.0416 U	0.128 U	0.128 UT
G424	LW2-G424	0.203 UJ	0.169 U	0.521 UJ	0.521 UJT
G425	LW2-G425	0.0299 U	0.225 J	0.0767 UJ	0.225 JT
G426	LW2-G426	0.317 U	0.265 UJ	0.814 UJ	0.814 UJT
G427	LW2-G427	0.0464 U	0.654 J	0.119 UJ	0.654 JT
G428	LW2-G428	0.0456 U	0.345 J	0.117 UJ	0.345 JT
G429	LW2-G429	0.185 U	0.447 J	0.474 UJ	0.447 JT
G430	LW2-G430	0.051 J	0.105 J	0.0775 UJ	0.156 JT
G431	LW2-G431	0.182 U	0.152 U	0.468 UJ	0.468 UJT
G432	LW2-G432	0.0354 U	0.0296 U	0.0908 UJ	0.0908 UJT
G433-1	LW2-G433-1	0.0476 U	0.0398 U	R	0.0476 UT
G433-2	LW2-G433-2	0.0473 U	0.0395 U	0.121 UJ	0.121 UJT
G434	LW2-G434	0.163 U	0.136 U	0.418 UJ	0.418 UJT
G435	LW2-G435	0.0477 U	0.467 J	0.122 UJ	0.467 JT
G437	LW2-G437	0.0362 U	0.0302 U	0.0928 UJ	0.0928 UJT
G438	LW2-G438	0.0287 U	0.024 U	0.0737 UJ	0.0737 UJT
G439	LW2-G439	0.246 U	0.205 U	0.631 UJ	0.631 UJT
G441	LW2-G441	0.36 J	0.0338 U	0.104 UJ	0.36 JT
G442	LW2-G442	0.0403 U	0.276 J	0.103 UJ	0.276 JT
G443	LW2-G443	0.172 U	0.172 U	0.172 UJ	0.172 UJT
G444	LW2-G444	0.0448 U	0.0374 U	0.115 UJ	0.115 UJT
G445	LW2-G445	0.0375 U	0.0313 U	0.0962 UJ	0.0962 UJT
G446	LW2-G446	0.14 UJ	0.117 U	0.359 UJ	0.359 UJT
G450-1	LW2-G450-1	0.192 U	0.192 U	0.192 UJ	0.192 UJT
G450-2	LW2-G450-2	0.198 U	0.198 U	0.198 UJ	0.198 UJT
G451	LW2-G451	0.0333 UJ	0.0278 U	0.0855 UJ	0.0855 UJT
G453	LW2-G453	0.247 UJ	0.207 UJ	0.635 UJ	0.635 UJT
G454	LW2-G454	0.155 UJ	0.129 U	0.397 UJ	0.397 UJT
G455	LW2-G455	0.029 UJ	0.0242 UJ	0.0743 UJ	0.0743 UJT
G456	LW2-G456	0.171 UJ	0.143 UJ	0.439 UJ	0.439 UJT
G457	LW2-G457	0.0441 UJ	0.0368 UJ	0.113 UJ	0.113 UJT
G458	LW2-G458	0.187 U	0.187 U	0.187 UJ	0.187 UJT
G459	LW2-G459	0.03 UJ	0.336	0.0769 UJ	0.336 T
G461	LW2-G461	0.051 UJ	0.0426 UJ	0.131 UJ	0.131 UJT
G463	LW2-G463	0.0343 UJ	0.418 NJ	0.088 UJ	0.418 JT
G465	LW2-G465	0.0298 UJ	0.272 NJ	0.0764 UJ	0.272 JT
G466	LW2-G466	0.0427 UJ	0.307 J	0.109 UJ	0.307 JT
G467	LW2-G467	0.146 UJ	0.122 UJ	0.376 UJ	0.376 UJT
G468	LW2-G468	0.0512 UJ	0.0428 UJ	0.131 UJ	0.131 UJT
G469	LW2-G469	0.182 UJ	0.182 UJ	0.182 UJ	0.182 UJT
G470	LW2-G470	0.0405 UJ	0.418 J	0.104 UJ	0.418 JT
G472	LW2-G472	0.0323 UJ	0.324 J	0.0828 UJ	0.324 JT
G473	LW2-G473	0.209 UJ	0.174 U	0.536 UJ	0.536 UJT
G474	LW2-G474	0.195 U	0.195 U	0.195 U	0.195 UT
G475-1	LW2-G475-1	0.041 UJ	0.383 J	0.105 UJ	0.383 JT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
G475-2	LW2-G475-2	0.0428 UJ	0.41 NJ	0.11 UJ	0.41 JT
G476	LW2-G476	0.0363 UJ	0.321 J	0.0931 UJ	0.321 JT
G477	LW2-G477	0.197 UJ	0.164 U	0.504 UJ	0.504 UJT
G478	LW2-G478	0.041 UJ	0.478 J	0.105 UJ	0.478 JT
G479	LW2-G479	0.0458 UJ	0.0382 UJ	0.117 UJ	0.117 UJT
G480	LW2-G480	0.15 U	0.125 U	0.385 UJ	0.385 UJT
G481	LW2-G481	0.0382 UJ	0.287 J	0.0981 UJ	0.287 JT
G482	LW2-G482	0.0518 UJ	0.535 J	0.133 UJ	0.535 JT
G483	LW2-G483	0.0446 UJ	0.0373 UJ	0.115 UJ	0.115 UJT
G484	LW2-G484	0.0475 UJ	0.394	0.122 UJ	0.394 T
G485	LW2-G485	0.0371 UJ	0.031 UJ	0.0952 UJ	0.0952 UJT
G486	LW2-G486	0.0467 U	0.039 U	0.12 U	0.12 UT
G487	LW2-G487	0.0289 UJ	0.0241 UJ	0.074 UJ	0.074 UJT
G488	LW2-G488	0.0477 UJ	0.0398 UJ	0.122 UJ	0.122 UJT
G489	LW2-G489	0.0503 UJ	0.683 J	0.129 UJ	0.683 JT
G490	LW2-G490	0.0496 U	0.0414 U	0.127 UJ	0.127 UJT
G491	LW2-G491	0.0454 U	0.0379 U	0.116 UJ	0.116 UJT
G492-1	LW2-G492-1	0.146 UT	0.146 UT	0.146 UJT	0.146 UJT
G492-2	LW2-G492-2	0.147 U	0.147 U	0.147 UJ	0.147 UJT
G493	LW2-G493	0.176 U	0.176 U	0.176 UJ	0.176 UJT
G494	LW2-G494	0.0444 U	0.037 U	0.114 UJ	0.114 UJT
G495	LW2-G495	0.054 U	0.509 UJ	0.139 UJ	0.509 UJT
G496	LW2-G496	0.03 U	0.0251 U	0.077 UJ	0.077 UJT
G497	LW2-G497	0.485 J	0.151 UJ	0.151 UJ	0.485 JT
G498	LW2-G498	0.0431 U	0.036 U	0.111 UJ	0.111 UJT
G499	LW2-G499	0.178 U	0.178 U	0.183 J	0.183 JT
G500	LW2-G500	0.639 U	0.639 U	0.639 UJ	0.639 UJT
G501	LW2-G501	0.0545 U	0.0455 U	0.14 UJ	0.14 UJT
G502	LW2-G502	0.492 U	0.492 U	0.492 UJ	0.492 UJT
G503	LW2-G503	0.161 U	0.135 U	0.414 UJ	0.414 UJT
G504	LW2-G504	0.179 U	0.179 U	0.179 UJ	0.179 UJT
G505	LW2-G505	5.36 U	5.36 U	5.36 UJ	5.36 UJT
G506	LW2-G506	0.7 U	0.7 U	0.7 UJ	0.7 UJT
G507	LW2-G507	0.121 U	0.121 U	0.121 UJ	0.121 UJT
G508	LW2-G508	4.99 U	4.99 U	4.99 UJ	4.99 UJT
G509	LW2-G509	0.147 U	0.253 NJ	0.147 UJ	0.253 JT
G510	LW2-G510	0.179 U	0.179 U	0.14 NJ	0.14 JT
G511	LW2-G511	0.144 U	0.144 U	0.144 UJ	0.144 UJT
G512	LW2-G512	0.09 J	0.131 U	0.131 UJ	0.09 JT
G513	LW2-G513	0.186 NJ	0.249	0.134 UJ	0.435 JT
G514	LW2-G514	0.169 U	0.169 U	0.169 UJ	0.169 UJT
G515	LW2-G515	0.168 U	0.168 U	0.168 UJ	0.168 UJT
G516	LW2-G516	0.598 U	0.598 U	0.598 UJ	0.598 UJT
G517	LW2-G517	0.193 NJ	0.133 U	0.133 UJ	0.193 JT
G518	LW2-G518	1.29 U	1.29 U	1.29 UJ	1.29 UJT
G519-1	LW2-G519-1	0.0535 U	0.0447 U	0.137 UJ	0.137 UJT
G519-2	LW2-G519-2	0.0547 U	0.0456 U	0.14 UJ	0.14 UJT
G520	LW2-G520	0.0561 U	0.0468 U	0.144 UJ	0.144 UJT
G521	LW2-G521	0.244 U	0.204 U	0.626 UJ	0.626 UJT
BT001	LW2-GBT001	0.0143 U	0.0446 U	0.0435 U	0.0446 UT
BT002	LW2-GBT002	0.0505 U	0.0892 U	0.0778 U	0.0892 UT
BT003	LW2-GBT003	0.0117 UT	0.0422 UT	0.0497 JT	0.0497 JT
BT004	LW2-GBT004	0.0223 U	0.015 U	0.00837 J	0.00837 JT
BT005	LW2-GBT005	0.0254 U	0.0305 J	0.0479 J	0.0784 JT
BT0061	LW2-GBT006-1	0.24	0.0615 J	0.0337 U	0.302 JT
BT0062	LW2-GBT006-2	0.0183 JT	0.0323 JT	0.0358 JT	0.0864 JT
BT007	LW2-GBT007	0.0262 U	0.0462 U	0.0466 J	0.0466 JT
BT008	LW2-GBT008	0.0418 J	0.0753 J	0.177	0.294 JT
BT009	LW2-GBT009	0.026 U	0.0458 U	0.107 J	0.107 JT
BT010	LW2-GBT010	0.0283 U	0.0304 J	0.0649 J	0.0953 JT
BT011	LW2-GBT011	0.0272 U	0.0515 J	0.217	0.269 JT
BT012	LW2-GBT012	0.0429 U	0.0758 U	0.0519 J	0.0519 JT
BT013	LW2-GBT013	0.0125 U	0.0458 U	0.0315 J	0.0315 JT
BT014	LW2-GBT014	0.0515 U	0.0909 U	0.106 J	0.106 JT
BT015	LW2-GBT015	0.0504 U	0.0802 J	0.163 J	0.243 JT
BT016	LW2-GBT016	0.0269 U	0.0355 J	0.128 J	0.164 JT
BT017	LW2-GBT017	0.028 U	0.0624 U	0.097 J	0.097 JT
BT018	LW2-GBT018	0.0366 J	0.0565 J	0.117 J	0.21 JT
BT019	LW2-GBT019	0.0197 UT	0.0361 UT	0.113 JT	0.113 JT
BT020	LW2-GBT020	0.0409 J	0.0591 J	0.125 J	0.225 JT
BT021	LW2-GBT021	0.0218 U	0.0398 J	0.0965 J	0.136 JT
BT022	LW2-GBT022	0.0212 U	0.0379 U	0.132 J	0.132 JT
BT023	LW2-GBT023	0.027 U	0.0354 J	0.114 J	0.149 JT
BT024	LW2-GBT024	0.0146 U	0.0303 J	0.0646 J	0.0949 JT
BT025	LW2-GBT025	0.0155 UT	0.0343 JT	0.0997 JT	0.134 JT
BT026	LW2-GBT026	0.0221 U	0.0407 U	0.0358 J	0.0358 JT
BT0271	LW2-GBT027-1	0.0451 J	0.101 J	0.328	0.474 JT
BT0272	LW2-GBT027-2	0.0268 UT	0.0533 JT	0.0836 JT	0.137 JT
BT028	LW2-GBT028	0.0646 J	0.127 J	0.207	0.399 JT
BT029	LW2-GBT029	0.0266 U	0.0453 J	0.0894 J	0.135 JT
BT030	LW2-GBT030	0.0194 U	0.0386 U	0.0935 J	0.0935 JT
BT031	LW2-GBT031	0.026 U	0.0357 J	0.0545 U	0.0357 JT
BT032	LW2-GBT032	0.089 J	0.241	0.142 J	0.472 JT
BT033	LW2-GBT033	0.0272 UJ	0.048 U	0.0659 J	0.0659 JT

Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
U1C-1	LW2-U1C-1	0.0329 U	0.0275 U	0.0844 UJ	0.0844 UJT
U1C-2	LW2-U1C-2	0.031 U	0.0259 U	0.0795 UJ	0.0795 UJT
U1C-3	LW2-U1C-3	0.0378 U	0.0316 U	0.097 UJ	0.097 UJT
U2C-1	LW2-U2C-1	0.0409 U	0.0342 U	0.105 UJ	0.105 UJT
U2C-2	LW2-U2C-2	0.0359 U	0.03 U	0.0922 UJ	0.0922 UJT
U2C-3	LW2-U2C-3	0.0345 U	0.0288 U	0.0884 UJ	0.0884 UJT
U3C-1	LW2-U3C-1	0.126 U	0.0269 U	0.0827 UJ	0.126 UT
U3C-2	LW2-U3C-2	0.313 U	0.0306 UJ	0.094 UJ	0.313 UT
U3C-3	LW2-U3C-3	0.0351 U	0.0293 UJ	0.0899 UJ	0.0899 UJT
U4Q-1	LW2-U4Q-1	0.349 U	0.0344 U	0.106 UJ	0.349 UT
U4Q-2	LW2-U4Q-2	0.213 U	0.0304 U	0.0935 UJ	0.213 UT
U4Q-3	LW2-U4Q-3	0.14 U	0.0299 U	0.092 UJ	0.14 UT
U5Q-1	LW2-U5Q-1	0.0303 U	0.0253 U	0.0778 UJ	0.0778 UJT
U5Q-2	LW2-U5Q-2	0.217 U	0.0252 U	0.0776 UJ	0.217 UT
U5Q-3	LW2-U5Q-3	0.214 U	0.261 J	0.0811 UJ	0.261 JT
U6TOC-1	LW2-U6TOC-1	0.039 U	0.0326 U	0.1 UJ	0.1 UJT
U6TOC-2	LW2-U6TOC-2	0.065 U	0.0543 U	0.167 UJ	0.167 UJT
U6TOC-3	LW2-U6TOC-3	0.0615 U	0.0514 U	0.158 UJ	0.158 UJT
02R001	LWG0102R001SDS015C00	7 U	1.7 U	0.39 U	7 UT
02R015	LWG0102R015SDS015C00	0.19 U	4.7 U	0.39 UJ	4.7 UT
03B030	LWG0103B030SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
03B031	LWG0103B031SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
03B033	LWG0103B033SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
03R001	LWG0103R001SDS015C00	0.2 U	0.39 U	0.39 U	0.39 UT
03R002	LWG0103R002SDS015C00	0.2 U	0.39 U	0.39 UJ	0.39 UJT
03R003	LWG0103R003SDS015C10	0.19 U	0.38 U	0.38 U	0.38 UT
03R003	LWG0103R003SDS015C20	0.2 U	0.39 U	0.39 U	0.39 UT
03R003	LWG0103R003SDS015C31	0.2 UT	0.39 UT	0.39 UT	0.39 UT
03R004	LWG0103R004SDS015C11	0.2 UT	0.39 UT	0.39 UJT	0.39 UJT
03R004	LWG0103R004SDS015C20	0.19 U	0.39 U	0.39 U	0.39 UT
03R004	LWG0103R004SDS015C30	0.2 U	0.39 U	0.39 U	0.39 UT
03R005	LWG0103R005SDS015C00	0.2 U	0.4 U		0.4 UT
03R032	LWG0103R032SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
03R034	LWG0103R034SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
03R040	LWG0103R040SDS015C00	2 U	3.9 U	3.9 U	3.9 UT
03R041	LWG0103R041SDS015C00	0.2 U	0.4 U	0.4 U	0.4 UT
04B023	LWG0104B023SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
04B024	LWG0104B024SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
04R002	LWG0104R002SDS015C00	2 U	3.9 U	23 UJ	23 UJT
04R003	LWG0104R003SDS015C00	0.42 U	0.39 U	0.39 U	0.42 UT
04R004	LWG0104R004SDS015C00	0.34 U	0.39 U	0.39 UJ	0.39 UJT
05B018	LWG0105B018SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
05B019	LWG0105B019SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
05R001	LWG0105R001SDS015C00	0.2 U	0.4 U	0.4 U	0.4 UT
05R003	LWG0105R003SDS015C00	3.7 U	0.39 U	0.39 U	3.7 UT
05R020	LWG0105R020SDS015C00	0.2 U	0.39 U	0.39 U	0.39 UT
05R040	LWG0105R040SDS015C00	0.19 U	0.38 U	48 U	48 UT
05R041	LWG0105R041SDS015C00	0.2 U	0.4 U	0.71 U	0.71 UT
06B022	LWG0106B022SDS015C00	0.2 U	0.4 U	0.4 U	0.4 UT
06B025	LWG0106B025SDS015C00	3.9 U	7.7 U	7.7 U	7.7 UT
06B026	LWG0106B026SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
06B029	LWG0106B029SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
06B030	LWG0106B030SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
06R001	LWG0106R001SDS015C00	0.33 U	0.39 U	0.39 UJ	0.39 UJT
06R002	LWG0106R002SDS015C10	0.19 U	12	0.38 U	12 T
06R002	LWG0106R002SDS015C20	0.2 U	23	0.39 U	23 T
06R002	LWG0106R002SDS015C31	0.2 UT	26.5 T	0.39 UT	26.5 T
06R004	LWG0106R004SDS015C00	0.49 U	0.38 U	5.8 UJ	5.8 UJT
06R031	LWG0106R031SDS015C00	0.36 U	0.39 U	5.8 UJ	5.8 UJT
06R040	LWG0106R040SDS015C00	R	R	R	R
07B022	LWG0107B022SDS015C00	0.2 U	0.39 U	0.39 U	0.39 UT
07B023	LWG0107B023SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
07B024	LWG0107B024SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
07R003	LWG0107R003SDS015C00	65 U	130 U	130 U	130 UT
07R004	LWG0107R004SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
07R006	LWG0107R006SDS015C00	53 U	110 U	110 U	110 UT
07R030	LWG0107R030SDS015C00	0.2 U	0.39 U	0.78 U	0.78 UT
07R040	LWG0107R040SDS015C00	0.2 U	0.39 U	1.1 U	1.1 UT
08B032	LWG0108B032SDS015C00	0.19 U	0.39 U	0.51 U	0.51 UT
08R001	LWG0108R001SDS015C00	0.26 U	0.4 U	0.4 UJ	0.4 UJT
08R002	LWG0108R002SDS015C00	0.19 U	0.39 U	0.55 U	0.55 UT
08R003	LWG0108R003SDS015C00	0.2 U	0.4 U	0.4 U	0.4 UT
08R040	LWG0108R040SDS015C00	0.2 U	0.39 U	0.39 U	0.39 UT
08R041	LWG0108R041SDS015C00	0.19 U	0.39 U	1.5 U	1.5 UT
09B024	LWG0109B024SDS015C00	0.19 U	0.38 U	0.38 U	0.38 UT
09B026	LWG0109B026SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
09B027	LWG0109B027SDS015C10	0.2 U	0.39 U	0.39 U	0.39 UT
09B027	LWG0109B027SDS015C20	0.2 U	0.39 U	1.7 U	1.7 UT
09B027	LWG0109B027SDS015C31	0.2 UT	0.39 UT	0.39 UT	0.39 UT
09B028	LWG0109B028SDS015C00	0.19 U	0.39 U	0.39 U	0.39 UT
09R001	LWG0109R001SDS015C10	0.19 U	0.39 U	0.39 U	0.39 UT
09R001	LWG0109R001SDS015C20	0.2 U	0.39 U	0.39 U	0.39 UT
09R001	LWG0109R001SDS015C31	0.79 UT	0.39 UT	29 UT	29 UT
09R002	LWG0109R002SDS015C00	0.82 U	0.38 U	7 U	7 UT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
09R040	LWG0109R040SDS015C00	0.2 U	0.39 U	1.5 U	1.5 UT
09R041	LWG0109R041SDS015C00	0.19 U	0.38 U	2 U	2 UT
AP02APG	LWG2-PG-AP2A	2 U	19 U	2.9 U	19 UT
AP02DPG	LWG2-PG-AP2D	1.4 U	1.3 U	1.7 U	1.7 UT
AP04CPG	LWG2-PG-AP4C	2.5 U	2.5 U	9.9 U	9.9 UT
AP04CPG2	LWG2-PG-AP4C-2	1.9 J	2.5 U	21 J	22.9 JT
CP07APG	LWG2-PG-CP7A	0.68 U	1.1 U	12 J	12 JT
CP07DPG	LWG2-PG-CP7D	1.1 U	1.6 U	1.7 U	1.7 UT
CP09APG	LWG2-PG-CP9A	20 U	11 U	11 U	20 UT
CP09DPG	LWG2-PG-CP9D	0.92 U	1.4 U	1.5 U	1.5 UT
R2AP02PG	LWG2-PG-R2AP2	1.7 U	7.7 U	2.9 U	7.7 UT
R2RP03PG	LWG2-PG-R2RP3	0.24 U	0.082 U	0.9 J	0.9 JT
RP03CPG	LWG2-PG-RP3C	0.059 U	0.089 U	0.2 U	0.2 UT
RP07BPG	LWG2-PG-RP7B	5.1 U	8 NJ	1.3 U	8 JT
NA-2B	NA-2B-0031	0.0471 U	0.0393 U	0.121 U	0.121 UT
NA-3B	NA-3B-0034	0.0334 U	0.0279 U	0.0858 U	0.0858 UT
NA-4B	NA-4B-0024	0.0553 U	0.0462 U	0.142 U	0.142 UT
PSY01	PSYSEA98PSY01PSY01S	6 U	6 U	6 U	6 UT
PSY08	PSYSEA98PSY08PSY08S	2 UT	2 UT	4 T	4 T
PSY08	PSYSEA98PSY08PSY52S	2 U	2 U	2 U	2 UT
PSY08	PSYSEA98PSY08PSY53S	2 U	2 U	2 U	2 UT
PSY12	PSYSEA98PSY12PSY12S	2 U	2 U	2 U	2 UT
PSY27	PSYSEA98PSY27PSY27S	2 U	2 U	2 U	2 UT
PSY49	PSYSEA98PSY49PSY49S	2 U	2 U	2 U	2 UT
PSY70	PSYSEA98PSY70PSY70S	2 U	2 U	2 U	2 UT
PSY71	PSYSEA98PSY71PSY71S	2 U	2 U	2 U	2 UT
PSY72	PSYSEA98PSY72PSY72S	2 UT	2 UT	2 UT	2 UT
PSY72	PSYSEA98PSY72PSY74S	2 U	2 U	2 U	2 UT
PSY72	PSYSEA98PSY72PSY75S	2 U	2 U	2 U	2 UT
PSY76	PSYSEA98PSY76PSY76S	2 U	2 U	2 U	2 UT
PSY77	PSYSEA98PSY77PSY77S	2 U	2 U	2 U	2 UT
REFC	PSYSEA98REFCSY60SC	2 U	2 U	2 U	2 UT
REFF	PSYSEA98REFFSY61SF	2 U	2 U	2 U	2 UT
REFM	PSYSEA98REFMSY62SM	2 U	2 U	2 U	2 UT
SD0102	WLCCPF01SD0102SD2S1C	0.4 U	0.8 U	0.8 U	0.8 UT
SD0105	WLCCPF01SD0105D5SC1C	0.4 U	0.8 U	0.8 U	0.8 UT
WR-PG-01	WLCDRD05PG00101	0.18 U	0.27 J	1.1 U	0.27 JT
WR-PG-02	WLCDRD05PG00202	0.19 U	0.41 J	1.1 U	0.41 JT
WR-PG-03	WLCDRD05PG00303	0.17 U	0.23 J	1 U	0.23 JT
WR-PG-04	WLCDRD05PG00404	0.14 U	0.77 U	1 U	1 UT
WR-PG-06	WLCDRD05PG00606	0.17 U	0.21 U	1 U	1 UT
WR-PG-09	WLCDRD05PG00909	0.16 U	0.21 U	1 U	1 UT
WR-PG-11	WLCDRD05PG01111	1 U	0.97 U	1 U	1 UT
WR-PG-12	WLCDRD05PG01212	0.15 U	0.23 U	1 U	1 UT
WR-PG-13	WLCDRD05PG01313	0.15 U	0.2 U	1 U	1 UT
WR-PG-14	WLCDRD05PG01414	0.18 U	0.23 U	0.25 U	0.25 UT
WR-PG-15	WLCDRD05PG01515	1 U	0.25 U	1 U	1 UT
WR-PG-16	WLCDRD05PG01616	0.37 U	0.18 U	1 U	1 UT
WR-PG-17	WLCDRD05PG01717	1 U	1 U	1.8 U	1.8 UT
WR-PG-18	WLCDRD05PG01818	0.14 U	0.58 U	1 U	1 UT
WR-PG-19	WLCDRD05PG01919	0.16 U	0.24 U	1 U	1 UT
WR-PG-21	WLCDRD05PG02121	0.42 J	1 U	1 U	0.42 JT
WR-PG-22	WLCDRD05PG02222	1.1 U	0.56 U	1.1 U	1.1 UT
WR-PG-23	WLCDRD05PG02323	0.55 U	1.1 U	0.13 U	1.1 UT
WR-PG-24	WLCDRD05PG02424	0.16 U	0.21 U	1 U	1 UT
WR-PG-26	WLCDRD05PG02626	0.087 U	0.12 U	0.15 J	0.15 JT
WR-PG-27	WLCDRD05PG02727	0.67 U	1 U	2.5 NJ	2.5 JT
WR-PG-29	WLCDRD05PG02929	0.17 U	0.43 J	0.28 U	0.43 JT
WR-PG-30	WLCDRD05PG03030	0.17 U	0.22 U	1 U	1 UT
WR-PG-33	WLCDRD05PG03333	0.12 U	0.15 U	0.1 U	0.15 UT
WR-PG-34	WLCDRD05PG03434	0.19 U	0.25 U	1.1 U	1.1 UT
WR-PG-35	WLCDRD05PG03535	0.15 U	0.19 U	0.13 U	0.19 UT
WR-PG-36	WLCDRD05PG03636	0.15 U	0.17 U	1 U	1 UT
WR-PG-37	WLCDRD05PG03737	0.14 U	0.18 U	0.12 U	0.18 UT
WR-PG-39	WLCDRD05PG03939	0.14 U	0.18 U	0.24 U	0.24 UT
WR-PG-41	WLCDRD05PG04141	0.13 U	0.32 U	0.12 U	0.32 UT
WR-PG-42	WLCDRD05PG04242	1.6 U	0.15 U	1 U	1.6 UT
WR-PG-43	WLCDRD05PG04343	0.16 U	0.2 U	0.22 U	0.22 UT
WR-PG-45	WLCDRD05PG04545	0.13 U	0.17 U	0.12 U	0.17 UT
WR-PG-47	WLCDRD05PG04747	0.16 U	0.2 U	0.14 U	0.2 UT
WR-PG-48	WLCDRD05PG04848	0.33 J	0.2 U	0.16 U	0.33 JT
WR-PG-50	WLCDRD05PG05050	1.1 U	0.58 U	1.5	1.5 T
WR-PG-52	WLCDRD05PG05252	0.68 U	2.6 U	1.6 U	2.6 UT
WR-PG-54	WLCDRD05PG05454	0.16 U	0.21 U	1 U	1 UT
WR-PG-56	WLCDRD05PG05656	0.14 U	0.93 U	0.12 U	0.93 UT
WR-PG-58	WLCDRD05PG05858	1 U	5.9 U	0.11 U	5.9 UT
WR-PG-60	WLCDRD05PG06060	0.42 U	1 U	1 U	1 UT
WR-PG-61	WLCDRD05PG06161	1.5 J	0.2 U	0.14 U	1.5 JT
WR-PG-62	WLCDRD05PG06262	0.16 U	0.2 U	0.16 U	0.2 UT
WR-PG-63	WLCDRD05PG06363	0.34 NJ	1 U	0.12 U	0.34 JT
WR-PG-64	WLCDRD05PG06464	0.17 U	1 U	1 U	1 UT
WR-PG-66	WLCDRD05PG06666	0.18 U	1 U	0.16 U	1 UT
WR-PG-68	WLCDRD05PG06868	1 U	0.43 U	1.5 U	1.5 UT
WR-PG-70	WLCDRD05PG07070	1.2	1.2 U	0.14 U	1.2 T

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
WR-PG-72	WLCDRD05PG07272	0.56 J	0.24 U	1.4 U	0.56 JT
WR-PG-74	WLCDRD05PG07474	0.23 U	0.23 U	0.37 U	0.37 UT
WR-PG-76	WLCDRD05PG07676	0.18 U	1 U	0.33 U	1 UT
WR-PG-78	WLCDRD05PG07878	0.28 U	0.24 U	0.37 U	0.37 UT
WR-PG-80	WLCDRD05PG08080	0.23 U	0.23 U	0.85 U	0.85 UT
WR-PG-82	WLCDRD05PG08282	0.24 U	0.18 U	0.33 U	0.33 UT
WR-PG-84	WLCDRD05PG08484	0.26 U	0.22 U	0.33 U	0.33 UT
WR-PG-86	WLCDRD05PG08686	0.23 U	0.24 U	0.37 U	0.37 UT
WR-PG-88	WLCDRD05PG08888	0.2 U	0.26 U	0.27 J	0.27 JT
WR-PG-90	WLCDRD05PG09090	0.2 U	0.25 U	1.2 U	1.2 UT
WR-PG-92	WLCDRD05PG09292	0.2 U	0.26 U	1.2 U	1.2 UT
WR-PG-94	WLCDRD05PG09494	0.2 U	0.27 U	0.31 NJ	0.31 JT
WR-PG-96	WLCDRD05PG09696	0.32 U	0.28 U	1.3 U	1.3 UT
WR-PG-98	WLCDRD05PG09898	0.19 U	0.24 U	0.34 NJ	0.34 JT
WR-PG-100	WLCDRD05PG100100	0.24 U	0.27 U	0.19 U	0.27 UT
WR-PG-102	WLCDRD05PG102102	0.26 U	0.24 U	0.16 U	0.26 UT
WR-PG-104	WLCDRD05PG104104	0.19 U	0.25 U	1.1 U	1.1 UT
WR-PG-106	WLCDRD05PG106106	0.17 U	0.43 U	0.99 U	0.99 UT
WR-PG-108	WLCDRD05PG108108	0.099 U	0.39 U	1 U	1 UT
WR-PG-112	WLCDRD05PG112112	0.18 U	0.23 U	0.16 U	0.23 UT
WR-PG-114	WLCDRD05PG114114	0.16 U	0.21 U	0.25 U	0.25 UT
WR-PG-116	WLCDRD05PG116116	0.17 U	0.22 U	0.2 U	0.22 UT
WR-PG-118	WLCDRD05PG118118	0.19 U	0.22 U	1 U	1 UT
WR-PG-120	WLCDRD05PG120120	0.64 U	0.32 U	1.5 U	1.5 UT
WR-PG-122	WLCDRD05PG122122	0.17 U	0.22 U	1 U	1 UT
WR-PG-124	WLCDRD05PG124124	0.16 U	0.21 U	0.21 U	0.21 UT
WR-PG-126	WLCDRD05PG126126	0.14 U	0.18 U	0.23 U	0.23 UT
WR-PG-128	WLCDRD05PG128128	1 U	0.21 U	1.8 U	1.8 UT
WR-PG-130	WLCDRD05PG130130	1 U	0.7 NJ	1 U	0.7 JT
WR-PG-132	WLCDRD05PG132132	1.1 U	0.26 U	1.1 U	1.1 UT
WR-PG-134	WLCDRD05PG134134	0.96 U	0.19 U	1 U	1 UT
WR-PG-45	WLCDRD05PG135135Dup	0.13 U	0.17 U	0.14 U	0.17 UT
WR-PG-39	WLCDRD05PG136136Dup	0.14 U	0.18 U	0.17 U	0.18 UT
WR-PG-27	WLCDRD05PG137137Dup	1 U	1 U	1.9 NJ	1.9 JT
WR-PG-48	WLCDRD05PG138138Dup	0.15 U	0.22 U	1 U	1 UT
WR-PG-36	WLCDRD05PG139139Dup	0.16 U	0.17 U	1 U	1 UT
WR-PG-06	WLCDRD05PG140140Dup	0.17 U	0.22 U	1 U	1 UT
WR-PG-01	WLCDRD05PG141141Dup	0.18 U	0.24 U	1.1 U	1.1 UT
WR-PG-Ref01	WLCDRD05PGR01Ref01	0.19 U	0.15 U	0.64 U	0.64 UT
WR-PG-Ref02	WLCDRD05PGR02Ref02	0.11 U	0.14 U	0.62 U	0.62 UT
WR-PG-Ref03	WLCDRD05PGR03Ref03	0.15 U	0.2 U	0.85 U	0.85 UT
REFSAMP	WLCGAF00EFSAMPGACREF	1 U	1 U	1 U	1 UT
GAC-001	WLCGAF00GAC001GAC001	1 U	1 U	1 U	1 UT
GAC-002	WLCGAF00GAC002GAC002	1 U	1 U	1 U	1 UT
GAC-003	WLCGAF00GAC003GAC003	1 U	1 U	1 U	1 UT
GAC-004	WLCGAF00GAC004GAC004	1 U	1 U	1 U	1 UT
GAC-005	WLCGAF00GAC005GAC005	1 U	1 U	1 U	1 UT
S1	WLCGXV99S1S1_10	6.7 U	6.7 U	6.7 U	6.7 UT
S2	WLCGXV99S2S2_10	26.8 U	26.8 U	26.8 U	26.8 UT
S3	WLCGXV99S3S3_10	41 U	41 U	41 U	41 UT
S4	WLCGXV99S4S4_10	6.7 U	6.7 U	6.7 U	6.7 UT
SD11	WLCITH98SD11SD11	2 U	2 U	2 U	2 UT
SD12	WLCITH98SD12SD12	2 U	2 U	2 U	2 UT
CS004	WLCMRI02CS004CS004	0.98 UT	2 UT	2 UT	2 UT
CS005	WLCMRI02CS005CS005	0.99 U	2 U	2 U	2 UT
PP011801	WLCOFH0218011801	1.14 U	1.04 U	0.978 U	1.14 UT
PP011802	WLCOFH0218021802	1.14 U	1.03 U	3.74 JP	3.74 JT
PP011803	WLCOFH0218031803	1 UT	0.91 UT	1.89 JT	1.89 JT
PP011805	WLCOFH0218051805	1.23 U	1.12 U	1.05 U	1.23 UT
PP011806	WLCOFH0218061806	4.95 P	1.01 U	0.947 U	4.95 T
PP011807	WLCOFH0218071807	0.997 U	0.905 U	0.852 U	0.997 UT
PP011808	WLCOFH0218081808	1.38 JP	0.91 U	0.856 U	1.38 JT
PP011809	WLCOFH0218091809	3.91	0.884 U	3.88 JP	7.79 JT
PP011810	WLCOFH0218101810	1.59 U	1.44 U	1.36 U	1.59 UT
PP01M101	WLCOFH02M101M101	1.22 UT	2.19 JT	1.04 UT	2.19 JT
PP01M103	WLCOFH02M103M103	1.4 U	1.27 U	1.2 U	1.4 UT
PP01M104	WLCOFH02M104M104	1.1 U	0.995 U	0.937 U	1.1 UT
PP01M105	WLCOFH02M105M105	1.26 U	1.15 U	1.08 U	1.26 UT
PP01M106	WLCOFH02M106M106	1.04 U	0.948 U	0.892 U	1.04 UT
PP01M107	WLCOFH02M107M107	1.09 U	0.99 U	0.932 U	1.09 UT
PP01M108	WLCOFH02M108M108	1.23 U	1.12 U	1.05 U	1.23 UT
PP01M109	WLCOFH02M109M109	1.26 U	1.15 U	1.08 U	1.26 UT
PP01M110	WLCOFH02M110M110	1.06 U	0.96 U	0.904 U	1.06 UT
1901	WLCOFJ02190119010	1.38 UJ	1.25 UJ	1.18 UJ	1.38 UJT
1902	WLCOFJ02190219020	6.53 J	7.22 UJ	7.22 UJ	6.53 JT
1903	WLCOFJ02190319030	1.27 UJ	1.16 UJ	1.09 UJ	1.27 UJT
19A01	WLCOFJ0219A0119A010	1.13 UJ	1.02 UJ	0.964 UJ	1.13 UJT
19A02	WLCOFJ0219A0219A020	1.26 UJ	1.14 UJ	1.07 UJ	1.26 UJT
19A03	WLCOFJ0219A0319A030	1.4 UJ	1.27 UJ	1.19 UJ	1.4 UJT
2201	WLCOFJ02220122010	1.05 UJ	0.956 UJ	0.9 UJ	1.05 UJT
2202	WLCOFJ02220222020	1.21 UJ	1.1 UJ	1.03 UJ	1.21 UJT
22031	WLCOFJ022203122031	1.22 UJ	1.11 UJ	1.04 UJ	1.22 UJT
2203	WLCOFJ02220322030	1.23 UJ	1.11 UJ	1.05 UJ	1.23 UJT
2204	WLCOFJ02220422040	1.71 UJ	1.55 UJ	1.46 UJ	1.71 UJT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
2205	WLCOFJ02220522050	1.76 UJ	1.6 UJ	1.51 UJ	1.76 UJT
2206	WLCOFJ02220622060	1.6 UJ	1.45 UJ	1.37 UJ	1.6 UJT
22B01	WLCOFJ0222B0122B010	1.06 U	0.967 U	0.91 U	1.06 UT
22B02	WLCOFJ0222B0222B020	1.23 U	1.12 U	1.05 U	1.23 UT
22B03	WLCOFJ0222B0322B030	1.59 U	1.45 U	1.36 U	1.59 UT
22B04	WLCOFJ0222B0422B040	1.26 U	1.14 U	1.08 U	1.26 UT
22C01	WLCOFJ0222C0122C010	2.25 U	2.04 U	1.92 U	2.25 UT
22C02	WLCOFJ0222C0222C020	1.07 U	0.975 U	0.918 U	1.07 UT
22C03	WLCOFJ0222C0322C030	0.91 UT	0.826 UT	0.778 UT	0.91 UT
22C04	WLCOFJ0222C0422C040	3.67 U	3.33 U	3.14 U	3.67 UT
2401	WLCOFJ02240124010	0.851 UJ	0.773 UJ	0.728 UJ	0.851 UJT
2402	WLCOFJ02240224020	1.16 UJ	1.05 UJ	0.988 UJ	1.16 UJT
2403	WLCOFJ02240324030	1.24 UJ	1.13 UJ	1.06 UJ	1.24 UJT
2404	WLCOFJ02240424040	0.959 UJ	0.871 UJ	1.27 J	1.27 JT
2405	WLCOFJ02240524050	1.27 UJ	1.15 UJ	1.84 J	1.84 JT
4801	WLCOFJ02480148010	1.26 U	1.14 U	1.07 U	1.26 UT
4802	WLCOFJ02480248020	0.872 U	0.791 U	0.745 U	0.872 UT
4803	WLCOFJ02480348030	1.12 U	1.02 U	0.961 U	1.12 UT
4804	WLCOFJ02480448040	1.05 U	0.953 U	0.897 U	1.05 UT
4805	WLCOFJ02480548050	1.07 U	0.97 U	0.913 U	1.07 UT
4806	WLCOFJ02480648060	1.85 U	1.68 U	5.64 J	5.64 JT
4901	WLCOFJ02490149010	0.826 UT	0.75 UT	0.706 UT	0.826 UT
4902	WLCOFJ02490249020	0.921 U	0.836 U	0.787 U	0.921 UT
4903	WLCOFJ02490349030	1.03 U	0.936 U	0.881 U	1.03 UT
4904	WLCOFJ02490449040	0.982 U	0.891 U	0.839 U	0.982 UT
4905	WLCOFJ02490549050	1.09 U	0.989 U	0.931 U	1.09 UT
4906	WLCOFJ02490649060	0.838 U	0.761 U	0.716 U	0.838 UT
5001	WLCOFJ02500150010	0.974 UJ	0.884 UJ	0.832 UJ	0.974 UJT
5002	WLCOFJ02500250020	0.921 UJ	0.836 UJ	0.787 UJ	0.921 UJT
5003	WLCOFJ02500350030	1.31 UJ	1.19 UJ	1.12 UJ	1.31 UJT
5004	WLCOFJ02500450040	1 UJ	0.909 UJ	0.856 UJ	1 UJT
5005	WLCOFJ02500550050	1.01 UJ	0.92 UJ	0.866 UJ	1.01 UJT
5006	WLCOFJ02500650060	1.21 UJ	1.1 UJ	1.03 UJ	1.21 UJT
5201	WLCOFJ02520152010	0.906 U	0.822 U	0.774 U	0.906 UT
5202	WLCOFJ02520252020	1.19 U	1.08 U	1.92 J	1.92 JT
5203	WLCOFJ02520352030	1.31 U	1.19 U	1.12 U	1.31 UT
52A01	WLCOFJ0252A0152A010	0.883 U	0.802 U	0.755 U	0.883 UT
52A02	WLCOFJ0252A0252A020	1.1 U	0.995 U	0.937 U	1.1 UT
52A03	WLCOFJ0252A0352A030	2.83 U	5.67 U	5.85	5.85 T
52A04	WLCOFJ0252A0452A040	4.11	1.26 U	1.19 U	4.11 T
52A05	WLCOFJ0252A0552A050	1.1 UJ	0.995 UJ	4.44 J	4.44 JT
52C01	WLCOFJ0252C0152C010	9.87 U	8.96 U	8.43 U	9.87 UT
52C02	WLCOFJ0252C0252C020	1.06 U	0.96 U	0.903 U	1.06 UT
52C03	WLCOFJ0252C0352C030	1.06 U	0.964 U	0.908 U	1.06 UT
52C04	WLCOFJ0252C0452C040	1.03 U	0.932 U	0.877 U	1.03 UT
52C05	WLCOFJ0252C0552C050	9.83 UT	8.92 UT	8.4 UT	9.83 UT
5301	WLCOFJ02530153010	1.33 UJ	1.2 UJ	1.13 UJ	1.33 UJT
5302	WLCOFJ02530253020	0.922 UJ	0.837 UJ	0.788 UJ	0.922 UJT
5303	WLCOFJ02530353030	1.09 UJ	0.992 UJ	0.933 UJ	1.09 UJT
5304	WLCOFJ02530453040	1.15 UJ	1.04 UJ	0.98 UJ	1.15 UJT
5305	WLCOFJ02530553050	1.11 UJ	1.01 UJ	0.95 UJ	1.11 UJT
M0201	WLCOFJ02M0201M2010	2.36 U	4.72 U	4.72 U	4.72 UT
M0202	WLCOFJ02M0202M2020	1.05 U	0.956 U	0.9 U	1.05 UT
M02031	WLCOFJ02M02031M2031	1.04 U	0.944 U	0.889 U	1.04 UT
M0203	WLCOFJ02M0203M2030	0.947 U	0.86 U	0.809 U	0.947 UT
M0204	WLCOFJ02M0204M2040	1.02 U	0.924 U	0.87 U	1.02 UT
M0205	WLCOFJ02M0205M2050	1.34 U	1.21 U	1.14 U	1.34 UT
M0301	WLCOFJ02M0301M3010	26.3 UJ	23.9 UJ	22.5 UJ	26.3 UJT
M0302	WLCOFJ02M0302M3020	1.08 U	0.978 U	0.921 U	1.08 UT
M0303	WLCOFJ02M0303M3030	11 UJ	10 UJ	9.44 UJ	11 UJT
M0304	WLCOFJ02M0304M3040	1.25 U	1.14 U	6.91	6.91 T
M0305	WLCOFJ02M0305M3050	1.15 U	1.04 U	0.981 U	1.15 UT
S0201	WLCOFJ02S0201S2010	1.09 U	0.99 U	0.932 U	1.09 UT
S0202	WLCOFJ02S0202S2020	1.06 U	0.963 U	0.907 U	1.06 UT
S0203	WLCOFJ02S0203S2030	0.908 U	0.824 U	0.776 U	0.908 UT
S0204	WLCOFJ02S0204S2040	1.13 UJ	1.02 UJ	0.963 UJ	1.13 UJT
S0205	WLCOFJ02S0205S2050	0.978 UJ	0.888 UJ	0.836 UJ	0.978 UJT
S0501	WLCOFJ02S0501S5010	0.975 UJ	0.885 UJ	0.833 UJ	0.975 UJT
S0502	WLCOFJ02S0502S5020	1.61 UJ	1.46 UJ	1.38 UJ	1.61 UJT
S0503	WLCOFJ02S0503S5030	0.917 UJT	0.832 UJT	0.784 UJT	0.917 UJT
S0504	WLCOFJ02S0504S5040	0.995 UJ	0.903 UJ	0.85 UJ	0.995 UJT
S0505	WLCOFJ02S0505S5050	0.926 UJ	0.84 UJ	0.791 UJ	0.926 UJT
S0506	WLCOFJ02S0506S5060	1.07 UJ	0.969 UJ	0.912 UJ	1.07 UJT
S0507	WLCOFJ02S0507S5070	1.24 UJ	1.12 UJ	1.06 UJ	1.24 UJT
S0601	WLCOFJ02S0601S6010	1.53 U	1.39 U	1.31 U	1.53 UT
SVS18COMP	WLCRIJ9918COMP18COMP	2 U	2 U	2 U	2 UT
CZ01	WLCRIJ99CZ01CZ01	2 U	2 U	2 U	2 UT
CZ02	WLCRIJ99CZ02CZ02	2 U	2 U	2 U	2 UT
CZ03	WLCRIJ99CZ03CZ03	2 U	2 U	0.2 J	0.2 JT
CZ03	WLCRIJ99CZ03CZ031	2 U	2 U	0.2 J	0.2 JT
CZ04	WLCRIJ99CZ04CZ04	0.3 J	2 U	2 U	0.3 JT
CZ05	WLCRIJ99CZ05CZ05	2 U	2 U	2 U	2 UT
CZ06	WLCRIJ99CZ06CZ06	2 U	2 U	0.3 J	0.3 JT
CZ07	WLCRIJ99CZ07CZ07	0.2 J	2 U	0.3 J	0.5 JT

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Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
CZ08	WLCRIJ99CZ08CZ08	2 U	2 U	2 U	2 UT
SVS18R1	WLCRIJ99VS18R1VS18R1	0.2 J	2 U	0.2 J	0.4 JT
SVS18R2	WLCRIJ99VS18R2VS18R2	2 U	2 U	2 U	2 UT
PA01	WLCRIV99PA01PA01	2 U	2 U	2 U	2 UT
PA02	WLCRIV99PA02PA02	2 U	2 U	2 U	2 UT
PA03	WLCRIV99PA03PA03	2 U	2 U	2 U	2 UT
PA04	WLCRIV99PA04PA04	2 U	2 U	0.3 J	0.3 JT
GRAB-09	WLCT0I98GRAB09GRAB09	2 U	2 U	2 U	2 UT
GRAB-10	WLCT0I98GRAB10GRAB10	2 U	2 U	2 U	2 UT
GRAB-11	WLCT0I98GRAB11GRAB11	2 U	2 U	2 U	2 UT
GRAB-12	WLCT0I98GRAB12GRAB12	2 U	2 U	2 U	2 UT
T1S-01	WLCT1F00T1S01T1S01	1 U	1 U	1 U	1 UT
T1S-02	WLCT1F00T1S02T1S02	1 U	1 U	1 U	1 UT
T1S-03	WLCT1F00T1S03T1S03	1 U	1 U	1 U	1 UT
T1S-04	WLCT1F00T1S04T1S04	1 U	1 U	1 U	1 UT
T1S-05	WLCT1F00T1S05T1S05	1 U	1 U	1 U	1 UT
T1S-06	WLCT1F00T1S06T1S06	1 U	1 U	1 U	1 UT
T1S-07	WLCT1F00T1S07T1S07	1 U	1 U	1 U	1 UT
T1S-08	WLCT1F00T1S08T1S08	1 U	1 U	1 U	1 UT
T1S-09	WLCT1F00T1S09T1S09	1 U	1 U	1 U	1 UT
HC-S-16	WLCT4J98HCS16HCS16	20 UG	20 UG	20 UG	20 UT
HC-S-28	WLCT4J98HCS28HCS28	20 UG	20 UG	20 UG	20 UT
HC-S-36	WLCT4J98HCS36HCS36	20 UG	20 UG	20 UG	20 UT
HC-S-39	WLCT4J98HCS39HCS39	20 UG	20 UG	20 UG	20 UT
HC-S-43	WLCT4J98HCS43HCS43	20 UG	20 UG	20 UG	20 UT
HC01	WLLRSH01HC01HC01	1.4 U	1.4 U	1.4 U	1.4 UT
HC02	WLLRSH01HC02HC02	1.5 U	1.5 U	1.5 U	1.5 UT
HC03	WLLRSH01HC03HC03	1.8 U	1.8 U	1.8 U	1.8 UT
HC04	WLLRSH01HC04HC04	2 U	2 U	2 U	2 UT
HC05	WLLRSH01HC05HC05	1.5 U	1.5 U	1.5 U	1.5 UT
HC07	WLLRSH01HC07HC07	1.3 U	1.3 U	1.3 U	1.3 UT
HC08	WLLRSH01HC08HC08	1.9 U	1.9 U	1.9 U	1.9 UT
HC09	WLLRSH01HC09HC09	1.7 U	1.7 U	1.7 U	1.7 UT
HC10	WLLRSH01HC10HC10	2 U	2 U	2 U	2 UT
HC02	WLLRSI01HC02HC02	1.6 U	1.6 U	1.6 U	1.6 UT
HC08	WLLRSI01HC08HC08	2.1 U	2.1 U	2.1 U	2.1 UT
HC10	WLLRSI01HC10HC10	1.9 U	1.9 U	1.9 U	1.9 UT
C12/13/14	WLR0797121314WRBC12	2 U	2 U	2 U	2 UT
C26/27/28	WLR0797262728WRBC26	2 U	2 U	2 U	2 UT
C16/17	WLR0797C1617WRBC16	2 U	2 U	2 U	2 UT
WR-BC-01	WLR0797WRBC01WRA	2 UG	2 UG	2 UG	2 UT
WR-BC-01	WLR0797WRBC01WRBC01	2 U	2 U	2 U	2 UT
WR-BC-07	WLR0797WRBC07WRBC07	2 U	2 U	2 U	2 UT
WR-BC-08	WLR0797WRBC08WRBC08	2 U	2 U	2 U	2 UT
WR-BC-09	WLR0797WRBC09WRBC09	2 U	2 U	2 U	2 UT
WR-BC-10	WLR0797WRBC10WRB	2 U	2 U	2 U	2 UT
WR-BC-10	WLR0797WRBC10WRBC10	2 U	2 U	2 U	2 UT
WR-BC-15	WLR0797WRBC15WRBC15	2 UG	2 UG	2 UG	2 UT
WR-BC-20	WLR0797WRBC20WRBC20	2 U	2 U	0.7 J	0.7 JT
WR-BC-21	WLR0797WRBC21WRBC21	20 U	20 U	20 U	20 UT
WR-BC-22	WLR0797WRBC22WRBC22	20 U	20 U	20 U	20 UT
WR-BC-23	WLR0797WRBC23WRBC23	2 U	2 U	2 U	2 UT
WR-BC-29	WLR0797WRBC29WRBC29	2 U	2 U	2 U	2 UT
WR-BC-29	WLR0797WRBC29WRC	2 U	2 U	2 U	2 UT
WR-BC-36	WLR0797WRBC36WRBC36	2 U	2 U	2 U	2 UT
OSS001	WLRELF99OSS001SD0001	40 U	40 U	40 U	40 UT
OSS002	WLRELF99OSS002SD0006	40 U	40 U	40 U	40 UT
OSS003	WLRELF99OSS003SD0021	10 U	10 U	10 U	10 UT
OSS004	WLRELF99OSS004SD0011	40 U	40 U	40 U	40 UT
OSS005	WLRELF99OSS005SD0024	10 U	10 U	10 U	10 UT
OSS006	WLRELF99OSS006SD0016	40 U	40 U	40 U	40 UT
RB1	WLRELF99RB1SD1001	10 U	10 U	10 U	10 UT
RB2	WLRELF99RB2SD1003	10 U	10 U	10 U	10 UT
RB3	WLRELF99RB3SD1005	10 U	10 U	10 U	10 UT
RB4	WLRELF99RB4SD1007	10 U	10 U	10 U	10 UT
RB5	WLRELF99RB5SD1009	10 U	10 U	10 U	10 UT
RB6	WLRELF99RB6SD1011	10 U	10 U	10 U	10 UT
RB6	WLRELF99RB6SD1013	10 U	10 U	10 U	10 UT
GATX-SD1	WLRWTF98ATXSD1ATXSD1	3.35 U	3.35 U	3.35 U	3.35 UT
GATX-SD1	WLRWTF98ATXSD1TXSD1D	3.35 U	3.35 U	3.35 U	3.35 UT
GATX-SD2	WLRWTF98ATXSD2ATXSD2	3.35 U	3.35 U	3.35 U	3.35 UT
GATX-SD2	WLRWTF98ATXSD2TXSD2D	3.35 U	3.35 U	3.35 U	3.35 UT
GATX-SD3	WLRWTF98ATXSD3ATXSD3	3.35 U	3.35 U	3.35 U	3.35 UT
GATX-SD4	WLRWTF98ATXSD4ATXSD4	6.7 U	6.7 U	3.35 U	6.7 UT
GATX-SD5	WLRWTF98ATXSD5ATXSD5	6.7 U	6.7 U	3.35 U	6.7 UT
CHEV-SD2	WLRWTF98HEVSD2HEVSD2	3.35 U	3.35 U	3.35 U	3.35 UT
CHEV-SD3	WLRWTF98HEVSD3HEVSD3	3.35 U	3.35 U	3.35 U	3.35 UT
SD001	WR-WSI98SD0010	0.98 U	2 U	2 U	2 UT
SD004	WR-WSI98SD0040	0.94 UJ	1.9 UJ	1.9 UJ	1.9 UJT
SD011	WR-WSI98SD0110	0.99 U	2 U	2 U	2 UT
SD012	WR-WSI98SD0120	0.97 U	1.9 U	1.9 U	1.9 UT
SD020	WR-WSI98SD0200	0.96 U	1.9 U	1.9 U	1.9 UT
SD021	WR-WSI98SD0210000CC	0.98 UJT	2 UT	2 UT	2 UT
SD034	WR-WSI98SD0340	0.97 UJ	1.9 UJ	1.9 UJ	1.9 UJT

Table C2-8. Values Used in Total Endosulfans Calculations for Surface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
SD035	WR-WSI98SD0350	0.95 U	1.9 U	1.9 U	1.9 UT
SD048	WR-WSI98SD0480000CC	0.94 UT	1.9 UT	1.9 UT	1.9 UT
SD049	WR-WSI98SD0490	0.96 U	1.9 U	1.9 U	1.9 UT
SD055	WR-WSI98SD0550	0.98 U	2 U	2 U	2 UT
SD057	WR-WSI98SD0570	0.95 U	1.9 U	1.9 U	1.9 UT
SD058	WR-WSI98SD0580	0.99 U	2 U	2 U	2 UT
SD070	WR-WSI98SD0700000CC	0.94 UT	1.9 UT	1.9 UT	1.9 UT
SD072	WR-WSI98SD0720	0.99 U	2 U	2 U	2 UT
SD074	WR-WSI98SD0740	1 UJ	2 UJ	2 UJ	2 UJT
SD075	WR-WSI98SD0750	0.94 U	1.9 U	1.9 U	1.9 UT
SD077	WR-WSI98SD0770	19 U	38 U	38 U	38 UT
SD078	WR-WSI98SD0780	48 U	95 U	95 U	95 UT
SD080	WR-WSI98SD0800	48 U	96 U	96 U	96 UT
SD081	WR-WSI98SD0810	50 U	99 U	99 U	99 UT
SD083	WR-WSI98SD0830	48 U	97 U	97 U	97 UT
SD084	WR-WSI98SD0840	49 U	98 U	98 U	98 UT
SD085	WR-WSI98SD0850	9.9 U	20 U	20 U	20 UT
SD087	WR-WSI98SD0870	50 U	100 U	100 U	100 UT
SD088	WR-WSI98SD0880	97 U	190 U	190 U	190 UT
SD090	WR-WSI98SD0900	99 U	200 U	200 U	200 UT
SD092	WR-WSI98SD0920000CC	19 UT	38 UT	240 T	240 T
SD093	WR-WSI98SD0930	9.6 U	19 U	19 U	19 UT
SD096	WR-WSI98SD0960	1.3 UI	2 U	2 U	2 UT
SD097	WR-WSI98SD0970	99 U	200 U	200 U	200 UT
SD116	WR-WSI98SD1160	0.98 U	2 U	2 U	2 UT
SD117	WR-WSI98SD1170000CC	0.98 UT	2 UT	2 UT	2 UT
SD137	WR-WSI98SD1370000CC	0.95 UT	1.9 UT	1.9 UT	1.9 UT
SD138	WR-WSI98SD1380	0.95 U	1.9 U	1.9 U	1.9 UT
SD141	WR-WSI98SD1410000CC	0.98 UT	2 UT	2 UT	2 UT
SD150	WR-WSI98SD1500	0.94 UI	1.7 U	1.7 U	1.7 UT
SD151	WR-WSI98SD1510000CC	9.7 UT	19 UT	19 UT	19 UT

Notes:

G - Estimate is greater than value shown.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
B001	LW2-B001	0.86 J	0.21 U	1.8 J	1.4 J	0.4 J	1.9 U	1.7 J	6.16 JT	2.2 J	6.5	14	12
B002	LW2-B002	0.7 J	0.2 U	1.6 J	0.63 J	0.24 U	1.7 U	1.7 J	4.63 JT	1.5 J	3.8	6.6	7.4
B003	LW2-B003	8.3	32	40	29	6.5	23	98	237 T	33	210	360	310
B004	LW2-B004	2 J	1.6 J	9.3	5.9	1.5 J	5.6	12	37.9 JT	13	43	82	99
B005	LW2-B005	3.7	2.3 J	16	10	2.3 J	11	21	66.3 JT	15	77	150	120
B006	LW2-B006	0.51 J	0.24 J	0.75 J	0.68 J	0.33 J	1.3 U	2.3 J	4.81 JT	0.31 U	1.8 J	1.3 J	3.1
B007	LW2-B007	1.9 J	4.6	9.1	8.6	2.6	4.3 U	22	48.8 JT	5.6	37	59	54
B008	LW2-B008	0.79 J	0.18 U	1 J	0.56 J	0.21 U	1.6 U	1.7 J	4.05 JT	0.62 J	1.9 J	2.8	4.3
B009	LW2-B009	0.87 J	1.6 J	0.73 J	1 J	1 J	2.2 U	6.7	11.9 JT	2.1 J	7.9	9.9	14
B010	LW2-B010	12	65	9.8	72	28	26	390	603 T	150	570	900	960
B011	LW2-B011	0.52 J	0.18 U	0.57 J	0.24 U	0.21 U	1.3 U	0.53 J	1.62 JT	0.29 U	0.56 J	0.24 U	0.87 J
B012	LW2-B012	2.2 J	1.4 J	11	8.9	2.5	6.8	38	70.8 JT	14	49	110	110
B015	LW2-B015	18	3	25	36	6.7	38	110	237 T	20	130	180	160
B016	LW2-B016	210	600	1100	1300	340	590	4500	8640 T	980	6200	10000	10000
B017	LW2-B017	1 J	0.2 U	2.1 J	1.1 J	0.31 J	2.1 U	1.1 J	5.61 JT	2.1 J	6.4	15	15
B018	LW2-B018	0.62 J	0.21 J	1 J	1.3 J	0.22 U	1.7 U	2.9	6.03 JT	6.2	8.9	16	22
B019	LW2-B019	0.41 U	0.2 U	0.27 U	0.64 J	0.23 U	1.1 U	1.1 J	1.74 JT	0.6 J	1.4 J	2 J	3.6
B020	LW2-B020	2.3 J	2.1 J	1.9 J	3	1.8 J	7.5	15	33.6 JT	2.1 J	13	15	21
B021	LW2-B021	1.5 J	0.72 J	1 J	1.8 J	1.1 J	3.7 U	7.7	13.8 JT	0.9 J	4.7	4.7	6.9
B022-1	LW2-B022-1	13	120	34	220	59	29	800	1280 T	180	950	1300	1500
B022-2	LW2-B022-2	4.8	12	7.3	32	10	8.9	110	185 T	27	130	170	200
B023	LW2-B023	0.73 J	0.23 J	1.6 J	1.3 J	0.28 J	1.7 U	2.9	7.04 JT	1.4 J	3.8	6.3	8.9
B024	LW2-B024	1.4 J	1.2 J	2.2 J	3.7	1.1 J	2.4 U	10	19.6 JT	4.5	20	22	36
B025-1	LW2-B025-1	0.84 JT	1.6 JT	1.03 JT	1.45 JT	0.815 JT	2.2 UT	2.65 JT	8.39 JT	0.83 JT	4.4 T	4.4 T	8.35 T
B025-2	LW2-B025-2	0.69 J	2.6	1.1 J	2.1 J	1.5 J	2.1 U	6	14 JT	1.8 J	12	10	19
B026	LW2-B026	3.4	4.8	42	34	7.7	6.5	180	278 T	24	130	250	240
B050	LW2-B050	0.39 U	0.82 J	1.9	3.5	0.77 J	0.73 U	14	21 JT	4.8	14	24	30
C060	LW2-C060-A	3.9	5.9	27	15	3.4	18	51	124.2 T	27	140	300	180
C093	LW2-C093-A	42	110	270	480	100	67	620	1690 T	180	820	1400	1600
C106	LW2-C106-A	4.2	9.3	3.7	9.5	5.4	12	32	76.1 T	5.2	29	41	35
C109	LW2-C109-A	7	23	11	18	14	23	83	179 T	16	84	120	90
C167	LW2-C167-A	9.1	30	22	45	19	33	130	288 T	23	140	240	160
C282	LW2-C282-A	23	21	41	24	24	140	120	393 T	8.2	130	110	88
C293-2	LW2-C293-A2	170	6700	41	2300	5500	140	14000	28851 T	47	1100	440	530
C312	LW2-C312-A	120	4000	300	3300	2800	250	8400	19200 T	140	1800	1900	1100
C426	LW2-C426-A	1.6 J	4.8	3.8	6.4	4.3	7.3 U	31	51.9 JT	5.3	32	37	44
C430	LW2-C430-A	4.3	12	7	19	8.9	13	98	162.2 T	20	86	110	100
C434	LW2-C434-A	3.7	12	5.9	22	11	9.4 U	62	116.6 T	6.6	60	63	49
C522	LW2-C522-A	37	130	22	51	83	83	430	836 T	26	130	190	140
C523	LW2-C523-A	87	2900	62	940	1700	160	3900	9750 T	38	370	430	290
C524	LW2-C524-A	160	68	57	70	96	350	440	1240 T	30	120	120	110
C525	LW2-C525-A	1500	16000	1600	20000	6100	3200	76000	124000 T	7300	62000	85000	55000
C527	LW2-C527-A	170	400	260	710	350	490	3100	5480 T	390	2800	3900	2900
C528	LW2-C528-A	47	81	64	210	77	110	550	1140 T	88	630	830	630
C529	LW2-C529-A	17	33	21	110	23	42	190	436 T	37	220	330	250
C530	LW2-C530-A	75	240	130	330	160	180	1000	2120 T	120	1000	1500	1200
C531	LW2-C531-A	150	620	140	730	410	300	3200	5550 T	310	2100	3100	2200
C532	LW2-C532-A	17	19	19	21	18	62	100	256 T	3.9	36	49	33
C533	LW2-C533-A	95	44	68	62	73	290	360	992 T	30	140	140	130
D1-1	LW2-D1-1	1.7 JT	1.4 JT	3.4 T	5.4 T	1.2 JT	5.7 T	10 T	28.8 JT	4.3 T	17 T	35.5 T	37 T
D1-2	LW2-D1-2	1.8 J	1.9 J	2.9	3.4	1.6 J	5.2	10	26.8 JT	3.4	16	26	28
D2	LW2-D2	2.6 U	4.6	13	9.4	2.9	7.8 U	31	60.9 T	11	60	100	100
G001	LW2-G001	2.3 J	2.7 J	3.5	6.2	2 J	8.1	17	41.8 JT	4.9	24	37	43
G002	LW2-G002	4.5	13	5.3	9.5	11	10	140	193 T	4.8	30	43	53
G003	LW2-G003	2.7 J	2.9	4.9	6.9	2.6 J	9.9	23	52.9 JT	6.1	32	50	54
G004	LW2-G004	1.8 J	1.8 J	3.5	4.4	1.6 J	5.4 U	13	26.1 JT	4.4	21	32	37
G005	LW2-G005	2.4 J	2.2 J	3.3	7.1	1.8 J	8.9	12	37.7 JT	4.1	20	31	37
G006	LW2-G006	2 J	1.7 J	2.4 J	5	1.7 J	7.1 U	14	26.8 JT	3.1 J	17	23	28
G007-1	LW2-G007-1	5.75 T	8.35 T	5.5 T	13 T	6.45 T	17 T	51.5 T	108 T	14.5 T	54.5 T	83 T	95.5 T
G007-2	LW2-G007-2	3.8	3.5	4.3	6.1	3.1	13	18	51.8 T	7.2	24	40	48
G008	LW2-G008	2.9 J	2.4 J	3.6	5.4	2.7 J	10	18	45 JT	3.7	19	28	34
G009	LW2-G009	5.5	8.1	9.7	12	4.4	13	51	104 T	14	55	99	98
G010	LW2-G010	4.9	4.1	6.7	9.4	5.1	12	34	76.2 T	9	35	56	70
G011	LW2-G011	7.5	8.8	16	34	12	17	140	235 T	23	130	160	200
G012	LW2-G012	4	4.6	5.5	9.2	4.2	12	32	71.5 T	6.4	32	53	58
G013	LW2-G013	3.9	4.7	5.5	9.4	5.6	12	39	80.1 T	7.1	37	49	67
G014	LW2-G014	1.9 J	2.3 J	2 J	3.3 J	1.6 J	6.3 U	10	21.1 JT	2 J	10	15	19
G015	LW2-G015	9.6	9.7	36	28	8.9	31	95	218 T	55	200	410	420
G016	LW2-G016	2 J	2.6 J	3.4 J	7	2.6 J	7.3 U	18	35.6 JT	3.7	19	26	34
G017	LW2-G017	8.5	8.2	19	34	12	20	77	179 T	33	140	230	260
G018	LW2-G018	3.9	3.5	5.4	6.8	3.4	14	22	59 T	5.9	28	48	50
G019	LW2-G019	6.8	4.9	12	12	4.6	14	33	87.3 T	21	73	140	140
G020	LW2-G020	10	18	10	26	19	13	180	276 T	19	130	130	210
G021	LW2-G021	1.4 J	1.4 J	1.9 J	5.2	1.4 J	4.7 U	25	36.3 JT	2.2 J	19	17	29
G022	LW2-G022	2.4 J	2.6 J	2.9 J	7.6	2.1 J	8.2 U	16	33.6 JT	4.1	22	32	36
G023-1	LW2-G023-1	1.9 JT	1.6 JT	7.85 T	5.55 T	1.5 JT	6 UT	14.5 T	32.9 JT	6.35 T	28.5 T	58.5 T	57.5 T
G023-2	LW2-G023-2	0.85 J	0.8 J	1.5 J	0.98 J	0.47 J	2.9 U	3.8	8.4 JT	1.1 J	5.6	12	11
G024	LW2-G024	54	98	12	73	49	87	360	733 T	19	100	140	150
G025	LW2-G025	7.9	13	11	25	17	16	170	260 T	19	100	120	160
G026	LW2-G026	3.3	3.4	4.5	8.3	4.3	8.8	23	55.6 T	6.1	25	39	49
G027	LW2-G027	1.3 J	0.86 J	1.6 J	2.1 J	0.69 J	3.3 U	5.5	12.1 JT	3.2	13	19	19

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
B001	LW2-B001	4.2				13	12	7.3	9.7	12	92.9 JT	99.1 JT
B002	LW2-B002	2.2 J				7.5	3.6	3.6	6.4	5	47.6 JT	52.2 JT
B003	LW2-B003	100				310	280	440	280	560	2880 T	3120 T
B004	LW2-B004	31				110	80	41	98	59	656 T	694 JT
B005	LW2-B005	38				150	100	99	130	160	1040 T	1110 JT
B006	LW2-B006	1.1 J				1.6 J	1.6 J	3.7	1.2 J	4.3	19.7 JT	24.5 JT
B007	LW2-B007	18				51	45	41	44	61	416 T	464 JT
B008	LW2-B008	1.2 J				4.3	2.4 J	4.3	3.3	6	31.1 JT	35.2 JT
B009	LW2-B009	4.4				9.3	9	14	9.5	12	92.1 JT	104 JT
B010	LW2-B010	330				680	660	760	750	910	6670 T	7270 T
B011	LW2-B011	0.36 U				0.5 J	0.45 U	0.8 J	0.26 U	0.57 J	3.3 JT	4.92 JT
B012	LW2-B012	32				130	77	85	110	130	847 T	918 JT
B015	LW2-B015	48				160	160	250	140	360	1610 T	1840 T
B016	LW2-B016	3100				9600	8100	12000	8600	17000	85600 T	94200 T
B017	LW2-B017	3.9				15	11	7.4	11	15	102 JT	107 JT
B018	LW2-B018	5.2				23	10	17	12	18	138 T	144 JT
B019	LW2-B019	0.96 J				3	1.4 J	2.6	2.2 J	3.7	21.5 JT	23.2 JT
B020	LW2-B020	7.7				12	13	28	10	28	150 JT	183 JT
B021	LW2-B021	1.7 J				4.9	7.5	17	3.1	18	69.4 JT	83.2 JT
B022-1	LW2-B022-1	510				910	1000	1700	940	1600	10600 T	11900 T
B022-2	LW2-B022-2	69				130	150	270	130	230	1510 T	1690 T
B023	LW2-B023	2.7				10	6	7.2	7.9	8.5	62.7 JT	69.7 JT
B024	LW2-B024	11				23	24	35	18	40	234 T	253 JT
B025-1	LW2-B025-1	2.35 JT				4.2 T	3.95 T	9.1 T	3.4 T	7.75 T	48.7 JT	57.1 JT
B025-2	LW2-B025-2	5.8				7.1	13	22	6.7	20	117 JT	131 JT
B026	LW2-B026	72				280	200	430	240	570	2440 T	2710 T
B050	LW2-B050	9.9				30	21	31	27	36	228 T	249 JT
C060	LW2-C060-A	160				290	190	190	250	270	1997 T	2121.2 T
C093	LW2-C093-A	530				1500	1300	1800	1300	2200	12600 T	14300 T
C106	LW2-C106-A	28				32	44	52	33	60	359 T	435 T
C109	LW2-C109-A	75				100	110	140	97	170	1000 T	1180 T
C167	LW2-C167-A	150				230	180	260	210	310	1900 T	2190 T
C282	LW2-C282-A	73				110	130	210	84	270	1213.2 T	1606.2 T
C293-2	LW2-C293-A2	390				150	1200	6700	170	5200	15927 T	44778 T
C312	LW2-C312-A	1300				1400	2200	6700	1400	7000	24900 T	44100 T
C426	LW2-C426-A	37				32	59	85	30	97	458.3 T	510.2 JT
C430	LW2-C430-A	95				110	140	220	98	240	1219 T	1381.2 T
C434	LW2-C434-A	41				47	79	120	45	140	650.6 T	767.2 T
C522	LW2-C522-A	110				220	190	430	180	520	2140 T	2970 T
C523	LW2-C523-A	230				370	500	1500	340	1400	5470 T	15200 T
C524	LW2-C524-A	81				110	210	480	98	510	1870 T	3110 T
C525	LW2-C525-A	51000				53000	67000	140000	59000	160000	739000 T	864000 T
C527	LW2-C527-A	2300				3400	3500	5800	3300	6900	35200 T	40700 T
C528	LW2-C528-A	490				730	850	1300	710	1600	7860 T	9000 T
C529	LW2-C529-A	180				300	330	410	280	570	2910 T	3340 T
C530	LW2-C530-A	940				1200	1600	1700	1100	2400	12800 T	14900 T
C531	LW2-C531-A	1900				2400	2500	4700	2400	4900	26500 T	32100 T
C532	LW2-C532-A	34				49	51	110	40	140	546 T	802 T
C533	LW2-C533-A	97				160	220	480	130	490	2020 T	3010 T
D1-1	LW2-D1-1	11.5 T				29 T	23 T	25 T	29.5 T	41.5 T	253 T	282 JT
D1-2	LW2-D1-2	7.5				26	21	24	23	33	208 T	235 JT
D2	LW2-D2	33				98	75	90	87	110	764 T	825 T
G001	LW2-G001	13				37	32	44	33	52	320 T	362 JT
G002	LW2-G002	15				39	55	140	35	130	545 T	738 T
G003	LW2-G003	18				50	43	51	43	62	409 T	462 JT
G004	LW2-G004	12				30	33	40	27	45	281 T	308 JT
G005	LW2-G005	12				29	30	33	26	36	258 T	296 JT
G006	LW2-G006	9.4				21	29	32	19	35	217 JT	243 JT
G007-1	LW2-G007-1	31.5 T				77.5 T	75.5 T	108 T	74 T	109 T	723 T	831 T
G007-2	LW2-G007-2	16				42	43	41	39	45	345 T	397 T
G008	LW2-G008	11				28	28	36	24	45	257 T	302 JT
G009	LW2-G009	32				110	79	100	100	130	817 T	921 T
G010	LW2-G010	23				61	60	80	55	88	537 T	613 T
G011	LW2-G011	63				130	200	380	130	290	1710 T	1940 T
G012	LW2-G012	19				53	43	61	46	71	442 T	514 T
G013	LW2-G013	22				48	72	94	44	110	550 T	630 T
G014	LW2-G014	5.2				15	14	20	13	24	137 JT	158 JT
G015	LW2-G015	130				420	310	270	400	290	2910 T	3120 T
G016	LW2-G016	9.3				24	36	39	22	43	256 T	292 JT
G017	LW2-G017	84				220	250	300	210	290	2020 T	2200 T
G018	LW2-G018	15				48	32	50	42	67	386 T	445 T
G019	LW2-G019	44				160	110	100	130	120	1040 T	1130 T
G020	LW2-G020	66				97	240	600	99	510	2100 T	2380 T
G021	LW2-G021	9.6				14	30	77	11	67	276 JT	312 JT
G022	LW2-G022	12				26	33	34	23	42	264 T	298 JT
G023-1	LW2-G023-1	17 T				59.5 T	42 T	54 T	54 T	67.5 T	445 T	478 JT
G023-2	LW2-G023-2	3.3				9.5	6.4	8.1	8.1	11	76.1 JT	84.5 JT
G024	LW2-G024	48				120	160	330	110	360	1540 T	2270 T
G025	LW2-G025	56				110	210	580	100	460	1920 T	2170 T
G026	LW2-G026	17				38	56	59	35	63	387 T	443 T
G027	LW2-G027	6.1				17	17	16	14	18	142 T	154 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G028	LW2-G028	3	7	7	8.3	5	9.5 U	33	63.3 T	5.8	34	48	57
G029	LW2-G029	88	210	65	65	110	160	770	1470 T	50	190	430	330
G030	LW2-G030	3.2 J	3.7	3.9	6.5	3.1 J	11 U	21	41.4 JT	4.9	25	36	45
G031	LW2-G031	2.1 J	3.4	5.1	9.5	3.4	6.5 U	23	46.5 JT	5.9	28	39	57
G032	LW2-G032	4.7	25	10	25	35	10 U	630	730 T	9.1	82	75	150
G033	LW2-G033	5.6	360	4.7	8.1	6	11	35	430 T	9.5	46	60	79
G034	LW2-G034	1.2 J	0.85 J	3	5.9	0.63 J	3.2	7.8	22.6 JT	6.3	54	48	52
G035	LW2-G035	12	15	7.7	17	14	17	92	175 T	16	70	87	120
G036	LW2-G036	3.9	7.8	7.5	14	5	13 U	43	81.2 T	7.8	44	69	70
G037	LW2-G037	0.92 J	0.49 J	2.7	3.1	0.69 J	2.9 U	11	18.9 JT	2 J	11	18	17
G038	LW2-G038	5.2	46	3.2	13	4.7	22	110	204 T	5.3	25	30	52
G039	LW2-G039	3.1 J	3.3	5.1	10	3.2 J	11 U	25	49.7 JT	6.3	39	51	67
G040	LW2-G040	3.8	3.1	6.7	6.6	2.3 J	11	21	54.5 JT	5.4	25	45	47
G041	LW2-G041	77	120	110	94	110	140	1000	1650 T	81	430	740	600
G042	LW2-G042	6.1	4.1	3.4	5.8	3.9	21	20	64.3 T	4.6	27	37	41
G043	LW2-G043	11	9.9	8	14	9.9	26	61	140 T	8.7	44	61	79
G044-1	LW2-G044-1	12.8 T	9.2 T	10.9 T	44.5 T	10.5 T	25.5 T	60 T	173 T	14.5 T	104 T	110 T	145 T
G044-2	LW2-G044-2	13	6.5	18	38	9.4	21	53	159 T	17	73	90	120
G045	LW2-G045	5.7	3.3	41	24	3.3	17	38	132 T	33	170	350	290
G046	LW2-G046	5.2	7.8	6.5	14	7.4	13	43	96.9 T	7.6	35	48	67
G047	LW2-G047	5.8	12	62	52	10	17	94	253 T	43	280	450	370
G048	LW2-G048	3.6	1.4 J	9.8	6.1	1.2 J	9.9 U	9.3	31.4 JT	6.8	30	65	55
G049	LW2-G049	1.2 J	0.92 J	9.4	4.8	0.95 J	4.4 U	8.3	25.6 JT	6.7	31	71	58
G050	LW2-G050	14	28	13	30	25	22	140	272 T	20	97	150	170
G051	LW2-G051	4.7	4.4	5.2	9.6	4.1	12 U	26	54 T	7	33	51	60
G052	LW2-G052	3.7	5.3	30	18	3.8	15	29	105 T	23	120	230	200
G053	LW2-G053	0.62 J	0.23 U	0.5 J	0.35 J	0.27 U	0.99 U	1.4 J	2.87 JT	0.56 J	2 J	1.7 J	2.3 J
G054	LW2-G054	7	4.2 J	23	14	3.8 J	24	39	115 JT	17	77	150	130
G055	LW2-G055	1.9 J	3.3	3.5	6.6	2.1 J	5.1 U	24	41.4 JT	3.6	19	25	45
G056	LW2-G056	52	40	36	38	27	310	150	653 T	28	160	280	260
G057	LW2-G057	22	56	45	68	27	57	210	485 T	36	260	350	410
G058	LW2-G058	3.6	2.6	3.7	6	3	8.8	17	44.7 T	3	17	21	27
G059	LW2-G059	0.77 J	3.5	2.6	2.9	1.3 J	2.4 U	13	24.1 JT	1.6 J	9	13	15
G060	LW2-G060	21	19	30	33	15	57	160	335 T	32	170	320	280
G061	LW2-G061	7	25	8.2	20	17	14	96	187 T	16	84	94	130
G062	LW2-G062	4	3.2	7.7	13	4.3	8.7	44	84.9 T	13	58	85	100
G063	LW2-G063	3.9	5.6	8.5	11	3.8	12	40	84.8 T	11	55	98	90
G064	LW2-G064	27	23	55	60	22	73	260	520 T	67	330	640	540
G065	LW2-G065	7.9	8	13	24	9.1	18	160	240 T	19	81	130	210
G066	LW2-G066	6.7	6.8	14	15	6	15	58	122 T	20	87	160	160
G067	LW2-G067	42	70	6	26	76	19	260	499 T	12	68	76	110
G068	LW2-G068	18	30	19	53	36	21	120	297 T	22	96	110	170
G069	LW2-G069	12	44	48	100	22	32	280	538 T	42	250	420	380
G070	LW2-G070	10	9.5	8.2	16	9.6	23	67	143 T	9.3	45	69	76
G071	LW2-G071	1.7 J	2.5	8.2	9.4	2 J	5.2 U	28	51.8 JT	7.3	39	65	70
G072	LW2-G072	3	4.4	5.7	8	3.3	9.3 U	40	64.4 T	7.2	33	54	79
G073	LW2-G073	1 J	0.87 J	0.66 J	1.1 J	0.45 J	0.51 U	3.7	7.78 JT	1.2 J	7.1	7.9	9.3
G074	LW2-G074	1.2 J	0.7 J	0.59 J	1.1 J	0.69 J	0.48 U	3.6	7.88 JT	1.1 J	3.4	5.2	6.2
G075-1	LW2-G075-1	1.4 J	1.3 J	2 J	2.8	1.2 J	4.4 U	7.8	16.5 JT	2.7	11	16	17
G075-2	LW2-G075-2	1.8 J	1.4 J	2.7	4.7	1.5 J	5.1 U	13	25.1 JT	3.4	18	25	27
G076	LW2-G076	5.9	6.5	7.6	12	5.3	13	42	92.3 T	9.3	46	75	79
G077	LW2-G077	3.2	3.3	4.1	7.3	3	9.3	24	54.2 T	9.4	34	62	67
G078	LW2-G078	0.6 J	0.22 J	0.54 J	0.7 J	0.26 U	0.48 U	1.9 J	3.96 JT	1.1 J	4.5	6	6.9
G079	LW2-G079	0.79 J	0.33 J	0.89 J	0.71 J	0.59 J	2.8	2.7	8.81 JT	0.64 J	1.4 J	2.7	2.8
G080	LW2-G080	1.3 J	5.4	1.4 J	6.1	1.5 J	0.49 U	240	256 JT	4.7	34	27	49
G081	LW2-G081	3.6	5.6	7.7	9.6	3.5	10	26	66 T	6.6	36	60	66
G082	LW2-G082	1.8 J	1.4 J	1.6 J	2.8	0.89 J	0.49 U	8.5	17 JT	4.1	14	22	25
G083	LW2-G083	5.5	3.8	5	11	5.3	12	41	83.6 T	10	45	59	77
G084	LW2-G084	2.3 J	3.1	3	8.1	2.6	0.58 U	26	45.1 JT	9.3	38	56	73
G085	LW2-G085	29	160	32	890	320	44	1700	3180 T	410	1300	1400	1900
G086	LW2-G086	9.2	4.3	4	9.3	5.7	16	34	82.5 T	9.8	37	52	68
G087	LW2-G087	3.1	2.4 J	4.5	6.3	2.8	0.63 U	22	41.1 JT	5.6	26	34	46
G088	LW2-G088	10	7.7	13	20	8.7	22	54	135 T	25	110	160	180
G089	LW2-G089	2.2 J	670	3.3	420	420	0.48 U	1100	2620 JT	10	130	65	94
G090	LW2-G090	4.4	4.9	3.1	9.9	5.4	9.7	35	72.4 T	14	45	63	89
G091	LW2-G091	8.2	5.9	9.3	26	7.7	14	55	126 T	16	76	97	140
G092	LW2-G092	44	220	18	2200	730	32	5100	8340 T	130	1100	800	1300
G093	LW2-G093	16	59	19	420	110	34	830	1490 T	55	290	350	460
G094	LW2-G094	15	76	24	170	87	20	800	1190 T	150	690	650	1100
G095	LW2-G095	4	6.6	11	11	5.5	8.2	38	84.3 T	14	67	100	120
G096	LW2-G096	6.7	19	7.7	16	8.1	19	44	121 T	19	66	100	120
G097	LW2-G097	12	27	26	26	17	35	110	253 T	25	120	230	200
G098	LW2-G098	5.2	4.7	4.9	8.6	4	23	30	80.4 T	7.9	38	61	69
G099	LW2-G099	4.3	5.4	5.8	18	4.8	6.9	49	94.2 T	27	85	130	170
G100	LW2-G100	65	150	42	77	89	120	950	1490 T	51	310	480	420
G101	LW2-G101	12	21	14	23	14	31	110	225 T	18	77	130	140
G102	LW2-G102	5.8	30	48	68	16	21	300	489 T	54	330	600	540
G103	LW2-G103	2.3 J	4.6	3.4	5.6	2.2 J	0.6 U	19	37.1 JT	5	20	30	34
G104	LW2-G104	4.7	8.7	12	14	5.2	13	46	104 T	17	100	150	160
G105	LW2-G105	140	150	100	180	130	370	1200	2270 T	62	350	510	480
G106	LW2-G106	6.2	6.4	4.2	13	6.2	9.4	47	92.4 T	15	65	87	120

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G028	LW2-G028	16				42	50	66	39	74	432 T	495 T
G029	LW2-G029	110				420	240	680	380	840	3670 T	5140 T
G030	LW2-G030	14				36	40	43	29	53	326 T	367 JT
G031	LW2-G031	19				36	89	70	36	75	455 T	501 JT
G032	LW2-G032	45				55	210	830	49	510	2020 T	2740 T
G033	LW2-G033	25				55	74	130	52	120	651 T	1080 T
G034	LW2-G034	19				26	48	59	27	75	414 T	437 JT
G035	LW2-G035	40				82	120	190	80	170	975 T	1150 T
G036	LW2-G036	23				63	58	79	54	100	568 T	649 T
G037	LW2-G037	6.2				18	16	20	14	28	150 JT	169 JT
G038	LW2-G038	16				28	47	83	26	73	385 T	589 T
G039	LW2-G039	21				43	61	59	40	70	457 T	507 JT
G040	LW2-G040	15				49	40	33	39	40	338 T	393 JT
G041	LW2-G041	190				680	510	840	620	1200	5890 T	7540 T
G042	LW2-G042	15				34	35	40	27	47	308 T	372 T
G043	LW2-G043	26				56	74	130	53	120	652 T	792 T
G044-1	LW2-G044-1	49 T				87.5 T	165 T	135 T	88 T	130 T	1030 T	1200 T
G044-2	LW2-G044-2	52				67	160	130	80	100	889 T	1050 T
G045	LW2-G045	96				310	210	210	290	320	2280 T	2410 T
G046	LW2-G046	22				43	69	86	43	83	504 T	601 T
G047	LW2-G047	120				310	340	380	310	530	3130 T	3390 T
G048	LW2-G048	16				60	37	22	55	37	384 T	415 JT
G049	LW2-G049	19				66	40	31	59	48	430 T	455 JT
G050	LW2-G050	56				110	140	270	110	230	1350 T	1630 T
G051	LW2-G051	20				46	56	56	39	66	434 T	488 T
G052	LW2-G052	68				210	150	120	190	200 J	1510 JT	1620 JT
G053	LW2-G053	0.77 J				1.4 J	2 J	2.5 J	1.3 J	3.4	17.9 JT	20.8 JT
G054	LW2-G054	46				140	88	92	140	110	990 T	1110 JT
G055	LW2-G055	15				23	63	43	21	45	303 T	344 JT
G056	LW2-G056	87				260	200	290	240	320	2130 T	2780 T
G057	LW2-G057	140				270	490	530	270	510	3270 T	3750 T
G058	LW2-G058	8.4				22	24	27	19	38	206 T	251 T
G059	LW2-G059	4.4				15	13	28	11	32	142 JT	166 JT
G060	LW2-G060	87				310	220	390	280	500	2590 T	2920 T
G061	LW2-G061	46				68	150	220	71	160	1040 T	1230 T
G062	LW2-G062	32				86	85	150	82	140	831 T	916 T
G063	LW2-G063	31				93	72	92	86	110	738 T	823 T
G064	LW2-G064	170				580	390	580	540	690	4530 T	5050 T
G065	LW2-G065	67				100	190	360	110	220	1490 T	1730 T
G066	LW2-G066	48				150	120	150	140	180	1220 T	1340 T
G067	LW2-G067	35				65	94	300	61	210	1030 T	1530 T
G068	LW2-G068	53				100	130	220	110	160	1170 T	1470 T
G069	LW2-G069	130				360	320	570	340	670	3480 T	4020 T
G070	LW2-G070	31				70	66	110	63	82	621 T	765 T
G071	LW2-G071	21				69	56	83	61	110	581 T	633 JT
G072	LW2-G072	25				54	64	120	49	110	595 T	660 T
G073	LW2-G073	3				6.8	8	11	5.9	12	72.2 JT	80 JT
G074	LW2-G074	2.3 J				6	3.9	6.2	4.6	8	46.9 JT	54.8 JT
G075-1	LW2-G075-1	6.4				16	18	20	11	24	142 T	159 JT
G075-2	LW2-G075-2	8				22	23	27	20	34	207 T	233 JT
G076	LW2-G076	26				79	62	74	72	91	613 T	706 T
G077	LW2-G077	22				62	48	60	56	68	488 T	543 T
G078	LW2-G078	2.3 J				6.3	5.9	5.8	5	9	52.8 JT	56.8 JT
G079	LW2-G079	1.1 J				3.9	2.5 J	3.4	2.6	5.2	26.2 JT	35.1 JT
G080	LW2-G080	14				23	26	66	21	68	333 T	588 JT
G081	LW2-G081	19				61	50	67	54	76	496 T	562 T
G082	LW2-G082	7.4				23	18	21	20	27	182 T	198 JT
G083	LW2-G083	24				62	62	82	57	94	572 T	656 T
G084	LW2-G084	23				52	50	62	50	75	488 T	533 JT
G085	LW2-G085	610				1200	1800	3400	1100	3100	16200 T	19400 T
G086	LW2-G086	22				55	53	72	50	90	509 T	591 T
G087	LW2-G087	13				37	37	43	33	56	331 T	372 JT
G088	LW2-G088	58				160	140	180	150	180	1340 T	1480 T
G089	LW2-G089	32				45	150	790	44	810	2170 T	4790 JT
G090	LW2-G090	28				66	70	90	62	91	618 T	690 T
G091	LW2-G091	48				95	120	130	86	160	968 T	1090 T
G092	LW2-G092	430				590	1500	5900	640	4300	16700 T	25000 T
G093	LW2-G093	140				330	410	780	340	960	4120 T	5600 T
G094	LW2-G094	350				540	1100	1400	620	1400	8000 T	9190 T
G095	LW2-G095	34				92	120	83	75	93	798 T	882 T
G096	LW2-G096	37				98	89	110	95	130	864 T	985 T
G097	LW2-G097	64				220	150	200	200	230	1640 T	1890 T
G098	LW2-G098	21				58	48	62	52	76	493 T	573 T
G099	LW2-G099	53				110	110	130	110	150	1080 T	1170 T
G100	LW2-G100	130				460	390	870	430	1100	4640 T	6130 T
G101	LW2-G101	44				150	100	180	130	190	1160 T	1380 T
G102	LW2-G102	170				530	380	800	470	940	4810 T	5300 T
G103	LW2-G103	11				28	25	37	26	42	258 T	295 JT
G104	LW2-G104	53				130	120	140	120	170	1160 T	1260 T
G105	LW2-G105	140				520	430	1300	470	1600	5860 T	8130 T
G106	LW2-G106	36				73	82	110	71	110	769 T	861 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G107	LW2-G107	7.3	8.7	15	14	5.4	27	48	125 T	13	59	120	120
G108	LW2-G108	2.6 J	4.1	4.1	5.8	2.5 J	5	18	42.1 JT	3.9	24	32	32
G109	LW2-G109	4.7	5.2	2.8	6.8	4.1	9.6	28	61.2 T	11	33	54	61
G110	LW2-G110	6.2	7.5	8.5	12	5.8	19	46	105 T	11	54	92	92
G111	LW2-G111	34	7.5	4.4	16	12	27	81	182 T	15	69	77	100
G112	LW2-G112	4.7	3.4	3.6	7.3	3.1	0.74 U	27	49.1 T	8.7	39	58	71
G113	LW2-G113	9.2	12	8.5	17	8.3	33	69	157 T	7.9	41	65	73
G114	LW2-G114	2.2 J	5.6	20	9.8	4.8	8.7	11	62.1 JT	14	96	150	130
G115-1	LW2-G115-1	5.3 T	20 T	24 T	23.5 T	8.3 T	19 T	86.5 T	187 T	22.5 T	129 T	220 T	210 T
G115-2	LW2-G115-2	4.3	15	80	53	6.4	14	53	226 T	52	310	610	500
G116	LW2-G116	40	42	22	76	39	340	250	809 T	26	140	230	230
G117	LW2-G117	21	37	25	46	46	47	460	682 T	28	140	210	240
G118	LW2-G118	31	55	78	85	36	63	240	588 T	86	460	780	660
G119	LW2-G119	2.1 J	1.3 J	2.1 J	2.2 J	0.92 J	6.6 U	4.8	13.4 JT	3.4	16	28	25
G120	LW2-G120	6.4	8	7.5	22	6.5	14	80	144 T	18	110	150	150
G121	LW2-G121	17	29	16	37	28	39	160	326 T	14	86	120	130
G122	LW2-G122	29	51	35	95	50	75	320	655 T	28	200	240	300
G123	LW2-G123	0.84 J	6.3	0.75 U	0.45 J	0.37 J	0.57 U	2.8	10.8 JT	0.47 J	0.86 J	0.86 J	1.1 J
G124	LW2-G124	18	23	24	51	18	39	250 J	423 JT	43	210 J	300 J	360 J
G125	LW2-G125	2 J	2.5 J	3.8	6.1	1.8 J	7	16	39.2 JT	3.4	21	37	35
G126	LW2-G126	1.2 J	3.9	5.8	3.3	1.2 J	0.48 U	5.2	20.6 JT	4.1	14	39	35
G127	LW2-G127	21	58	150	130	34	78	400	871 T	140	920	1200	1100
G128	LW2-G128	5.1	8.4	27	17	5.9	13	46	122 T	20	100	210	180
G129	LW2-G129	2.6 J	3.5	7.4	9.4	3.1	9.5 U	28	54 JT	6.7	35	65	57
G130	LW2-G130	19	25	36	36	18	43	180	357 T	45	190	430	350
G131	LW2-G131	2.7 J	2.9 J	4.3 U	5.7	2.4 J	9.5 U	19	32.7 JT	4.7	23	44	43
G132	LW2-G132	27	41	34	39	29	53	210	433 T	31	140	280	250
G133	LW2-G133	8.4	16	19	30	14	20	110	217 T	25	130	200	210
G134	LW2-G134	9.1	12	17	30	8.5	26	72	175 T	17	87	150	140
G135	LW2-G135	7.2	8.4	8.4	130	14	13 U	100	268 T	10	58	81	100
G136	LW2-G136	8.5	29	15	30	30	16	220	349 T	22	150	190	260
G137	LW2-G137	6.1	6.9	10	19	5.5	17 U	48	95.5 T	11	56	98	90
G138	LW2-G138	5.5	27	6.7	46	39	12	760	896 T	11	200	110	200
G139	LW2-G139	49	390	71	890	310	90	3700	5500 T	590	2300	2000	2400
G140-1	LW2-G140-1	35.5 T	230 T	29.5 T	69.5 T	122 T	85 T	485 T	1060 T	33 T	195 T	305 T	280 T
G140-2	LW2-G140-2	7.9	15	10	15	12	19	71	150 T	12	54	100	90
G141	LW2-G141	4.4	5.5	7.4	12	4.4	11 U	33	66.7 T	7.3	34	61	57
G142	LW2-G142	6.1	14	26	30	15	16	160	267 T	45	160	320	300
G143	LW2-G143	18	15	41	45	13	42	120	294 T	45	180	360	330
G144	LW2-G144	14	15	22	37	12	30	140	270 T	29	120	220	220
G145	LW2-G145	12	23	29	48	17	30	150	309 T	32	140	260	230
G146	LW2-G146	9.1	74	84	130	44	23	260	624 T	78	590	720	610
G147	LW2-G147	5.2	8.2	18	18	5.7	12	76	143 T	31	110	230	210
G148	LW2-G148	17	34	24	57	25	57	250	464 T	29	150	250	240
G149	LW2-G149	3.2	17	9.4	11	5.9	9.6 U	40	86.5 T	12	59	92	94
G150	LW2-G150	510	3700	340	1200	2000	1000	6600	15400 T	280	2600	3100	2800
G152	LW2-G152	15	30	22	42	20	38	170	337 T	32	150	250	260
G153	LW2-G153	39	94	68	120	65	110	880	1380 T	85	450	830	780
G154	LW2-G154	7.6	8.4	10	20	6.8	15 U	46	98.8 T	13	58	89	94
G155	LW2-G155	49	120	65	140	84	250	1000	1710 T	84	430	900	760
G156	LW2-G156	17	39	29	120	31	45	240	521 T	42	200	360	350
G157	LW2-G157	100	280	30	70	180	180	870	1710 T	17	90	100	93
G158	LW2-G158	19	36	33	57	31	54	400	630 T	49	230	410	420
G159	LW2-G159	6.7	26	8.9	13	15	17	33	120 T	9.2	47	72	71
G160	LW2-G160	180	290	63	130	150	270	840	1920 T	100	340	560	590
G161	LW2-G161	130	240	55	190	180	210	1100	2110 T	71	310	470	460
G162	LW2-G162	13	25	38	96	17	33	210	432 T	39	210	360	340
G163	LW2-G163	2.7	5.8	4.3	6	2.7	0.43 U	15	36.5 T	5.4	38	46	48
G164	LW2-G164	1.8 J	6.7	1.7 J	7.4	3.7	4 U	31	52.3 JT	15	50	77	110
G165	LW2-G165	9.3	15	8.7	24	9.1	18	53	137 T	16	77	100	120
G166	LW2-G166	14	57	11	24	15	52	110	283 T	10	69	110	100
G168	LW2-G168	18	53	41	69	68	34	240	523 T	57	300	390	480
G169	LW2-G169	6.8	7.7	14	23	6.6	19	56	133 T	14	86	130	140
G170	LW2-G170	7.2	34	12	27	18	17	210	325 T	16	100	130	160
G171	LW2-G171	8.1	11	23	28	8.6	22	77	178 T	29	150	320	290
G172	LW2-G172	18	34	18	43	27	28	260	428 T	21	150	190	210
G173	LW2-G173	3.3	3.3	6.7	8.4	3 J	0.91 U	28	52.7 JT	6.3	34	62	55
G174	LW2-G174	5.8	19	8.3	16	9.3	14	68	140 T	12	55	91	87
G175	LW2-G175	14	12	7.8	15	11	16	48	124 T	11	45	63	70
G176	LW2-G176	6.3	34	4.8	26	31	0.49 U	250	352 T	16	90	94	130
G177	LW2-G177	7.6	7	12	18	5.6	18	49	117 T	13	59	120	110
G178	LW2-G178	250	8200	2400	14000	4900	410	45000	75200 T	3900	32000	41000	38000
G179	LW2-G179	350	4300	260	3300	2700	930	29000	40800 T	660	5800	8100	6800
G180	LW2-G180	17	170	290	430	93	58	680	1740 T	250	1900	2800	2400
G181	LW2-G181	37	100	110	320	62	110	750	1490 T	98	690	1000	860
G182	LW2-G182	11	77	13	69	77	21	350	618 T	39	150	180	140
G183	LW2-G183	1 J	1.3 J	14	9.5	0.66 J	4 U	3.6	30.1 JT	7.6	37	78	62
G184	LW2-G184	4.7	25	9.6	12	7.8	11	47	117 T	11	59	89	85
G185	LW2-G185	9	17	42	55	9.5	34	150	317 T	39	270	400	390
G186	LW2-G186	69	66	190	160	39	230	260	1010 T	200	990	1900	1600
G187	LW2-G187	1.2 J	2.1 J	1.3 J	1.2 J	1.7 J	0.53 UJ	5.3	12.8 JT	1.4 J	4	8	9.4

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G107	LW2-G107	36				120	83	110	110	130	901 T	1030 T
G108	LW2-G108	11				24	30	34	23	38	252 T	294 JT
G109	LW2-G109	19				47	43	59	44	68	439 T	500 T
G110	LW2-G110	29				95	70	89	87	110	729 T	834 T
G111	LW2-G111	33				74	99	160	65	140	832 T	1010 T
G112	LW2-G112	22				55	53	67	52	75	501 T	550 T
G113	LW2-G113	23				68	64	96	60	110	608 T	765 T
G114	LW2-G114	43				120	110	82	120	120	985 T	1050 JT
G115-1	LW2-G115-1	64 T				200 T	160 T	220 T	185 T	260 T	1670 T	1860 T
G115-2	LW2-G115-2	160				530	590	230	490	290	3760 T	3990 T
G116	LW2-G116	71				220	200	400	200	440	2160 T	2970 T
G117	LW2-G117	78				180	220	700	170	600	2570 T	3250 T
G118	LW2-G118	220				590	570	540	620	580	5110 T	5690 T
G119	LW2-G119	8				22	20	22	23	29	196 T	210 JT
G120	LW2-G120	54				110	130	200	110	210	1240 T	1390 T
G121	LW2-G121	42				120	140	290	100	280	1320 T	1650 T
G122	LW2-G122	96				200	270	490	190	510	2520 T	3180 T
G123	LW2-G123	0.54 U				1.3 J	0.67 U	3.5	0.95 J	5.4	14.4 JT	25.2 JT
G124	LW2-G124	120				280	370 J	700 J	260	580 J	3220 JT	3650 JT
G125	LW2-G125	13				35	23	36	30	49	282 T	322 JT
G126	LW2-G126	10				41	18	11	34	33	239 T	260 JT
G127	LW2-G127	380				950	990	1500	910	1800	9890 T	10800 T
G128	LW2-G128	53				190	130	170	180	230	1460 T	1590 T
G129	LW2-G129	19				60	47	69	53	88	500 T	554 JT
G130	LW2-G130	110				410	230	350	370	410	2900 T	3250 T
G131	LW2-G131	12				40	30	42	35	58	332 T	364 JT
G132	LW2-G132	82				270	170	310	250	360	2140 T	2580 T
G133	LW2-G133	69				180	170	290	170	290	1730 T	1950 T
G134	LW2-G134	47				130	110	150	130	170	1130 T	1310 T
G135	LW2-G135	36				69	110	160	67	160	851 T	1120 T
G136	LW2-G136	81				170	230	640	170	830	2740 T	3090 T
G137	LW2-G137	29				87	76	99	87	110	743 T	839 T
G138	LW2-G138	67				51	130	1500	61	1100	3430 T	4330 T
G139	LW2-G139	880				1100	3000	5500	1200	5200	24200 T	29700 T
G140-1	LW2-G140-1	91 T				275 T	230 T	555 T	255 T	690 T	2910 T	3970 T
G140-2	LW2-G140-2	32				85	70	110	78	180	811 T	961 T
G141	LW2-G141	19				55	43	62	55	69	462 T	529 T
G142	LW2-G142	99				340	220	330	320	390	2520 T	2790 T
G143	LW2-G143	110				350	240	270	350	310	2550 T	2840 T
G144	LW2-G144	77				190	180	310	190	290	1830 T	2100 T
G145	LW2-G145	80				220	180	250	220	270	1880 T	2190 T
G146	LW2-G146	220				420	630	940	460	1200	5870 T	6490 T
G147	LW2-G147	65				260	140	170	240	220	1680 T	1820 T
G148	LW2-G148	80				230	200	400	220	420	2220 T	2680 T
G149	LW2-G149	29				75	68	88	73	99	689 T	776 T
G150	LW2-G150	900				2800	3200	4300	2500	4800	27300 T	42600 T
G152	LW2-G152	80				240	190	340	230	370	2140 T	2480 T
G153	LW2-G153	220				810	540	780	760	820	6080 T	7450 T
G154	LW2-G154	33				72	74	110	75	110	728 T	827 T
G155	LW2-G155	210				1000	540	1500	970	2000	8390 T	10100 T
G156	LW2-G156	110				370	290	500	340	540	3100 T	3620 T
G157	LW2-G157	28				100	160	460	84	550	1680 T	3390 T
G158	LW2-G158	130				370	370	810	360	840	3990 T	4620 T
G159	LW2-G159	25				59	57	64	62	77	543 T	663 T
G160	LW2-G160	180				620	420	1000	620	1300	5730 T	7650 T
G161	LW2-G161	130				510	390	1200	490	1500	5530 T	7640 T
G162	LW2-G162	110				340	290	440	310	500	2940 T	3370 T
G163	LW2-G163	16				32	39	49	31	66	370 T	407 T
G164	LW2-G164	34				58	63	69	58	75	609 T	661 JT
G165	LW2-G165	41				76	94	130	81	120	855 T	992 T
G166	LW2-G166	32				120	92	170	100	320	1120 T	1410 T
G168	LW2-G168	160				250	420	480	280	410	3230 T	3750 T
G169	LW2-G169	46				110	110	130	100	180	1050 T	1180 T
G170	LW2-G170	52				110	150	400	110	340	1570 T	1890 T
G171	LW2-G171	96				280	260	190	260	220	2100 T	2270 T
G172	LW2-G172	72				180	200	410	150	390	1970 T	2400 T
G173	LW2-G173	19				55	46	61	50	80	468 T	521 JT
G174	LW2-G174	29				83	75	120	77	160	789 T	929 T
G175	LW2-G175	23				51	56	83	51	69	522 T	646 T
G176	LW2-G176	44				75	130	330	78	350	1340 T	1690 T
G177	LW2-G177	36				100	83	110	96	140	867 T	984 T
G178	LW2-G178	12000				26000	35000	83000	27000	97000	395000 T	470000 T
G179	LW2-G179	2000				6800	7000	21000	6200	27000	91400 T	132000 T
G180	LW2-G180	760				2300	2300	3900	2100	6100	24800 T	26500 T
G181	LW2-G181	300				770	800	1800	800	2000	9120 T	10600 T
G182	LW2-G182	39				180	230	450	100	690	2200 T	2820 T
G183	LW2-G183	20				74	52	41	65	82	519 T	549 JT
G184	LW2-G184	27				80	75	100	70	130	726 T	843 T
G185	LW2-G185	120				380	340	730	350	890	3910 T	4230 T
G186	LW2-G186	530				1600	1300	1100	1600	1500	12300 T	13300 T
G187	LW2-G187	2.9				9	4.1	7.1	7.1	11	64 JT	76.8 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G188	LW2-G188	18	22	18	49	19	29	110	265 T	33	160	200	250
G189	LW2-G189	12	41	32	80	28	33	350	576 T	53	310	520	480
G190	LW2-G190	14	62	78	180	54	41	450	879 T	170	730	970	940
G191	LW2-G191	39	76	26	100	73	57	680	1050 T	31	240	280	210
G192	LW2-G192	14	40	16	49	35	29	200	383 T	48	260	310	380
G193	LW2-G193	30	85	21	160	110	43	970	1420 T	87	490	470	610
G194	LW2-G194	41	140	480	460	76	140	590	1930 T	310	2600	3700	3200
G195	LW2-G195	23	170	40	88	78	58	560	1020 T	58	300	580	500
G196	LW2-G196	26	320	35	360	290	63	2000	3090 T	130	1100	920	1100
G197-1	LW2-G197-1	88	130	38	150	110	210	970	1700 T	86	510	640	730
G197-2	LW2-G197-2	78	75	48	99	78	170	480	1030 T	110	570	790	880
G198	LW2-G198	22	63	28	100	58	52	520	843 T	130	510	650	780
G199	LW2-G199	260	270	19	130	230	2300	890	4100 T	88	370	430	540
G200	LW2-G200	11	37	18	40	28	32	190	356 T	29	130	230	220
G202	LW2-G202	9.8	44	8.6	42	40	19	170	333 T	32	160	180	220
G203-1	LW2-G203-1	15 T	42 T	13.5 T	63 T	39.5 T	30 T	295 T	498 T	45.5 T	255 T	280 T	375 T
G203-2	LW2-G203-2	22	46	19	88	50	53	400	678 T	69	330	390	480
G204	LW2-G204	41	330	160	160	210	110	950	1960 T	160	940	1400	1300
G205	LW2-G205	5.7	11	16	22	9.4	15	84	163 T	13	88 J	140 J	130 J
G206	LW2-G206	31	82	24	81	80	53	440	791 T	75	340	420	500
G207	LW2-G207	42	400	30	120	340	93	840	1870 T	110	490	690	760
G208	LW2-G208	21	97	30	77	86	61	450	822 T	50	220	360	340
G209	LW2-G209	70	160	37	290	220	140	1200	2120 T	150	840	990	940
G210	LW2-G210	270	4800	400	8200	4900	940	66000	85500 T	1500	17000	23000	20000
G212-1	LW2-G212-1	2.1 J	7.9	4.5	11	5.8	4.2	34	69.5 JT	4.8	27	36	37
G212-2	LW2-G212-2	7.5	31	7.1	13	21	17	130	227 T	6.6	46	59	58
G213	LW2-G213	60	280	170	230	86	320	3200	4350 T	140	980	1800	1600
G214-1	LW2-G214-1	34	55	24	80	45	85	390	713 T	50	270	380	430
G215	LW2-G215	54	310	73	200	160	160	840	1800 T	200	1100	1600	1600
G216	LW2-G216	5.3	13	95	93	8.8	21	54	290 T	75	500	860	720
G217	LW2-G217	7.4	9.7	17	22	9.1	27	210 J	302 JT	16	120	100	160
G218	LW2-G218	27	96	10	76	60	55	430	754 T	78	380	520	580
G219	LW2-G219	11000	90000	9500	67000	32000	2500	180000	392000 T	4900	60000	69000	62000
G220	LW2-G220	23	380	98	200	140	67	540	1450 T	110	800	980	880
G221	LW2-G221	580	11000	1400	8800	4900	520	42000	69200 T	760	8100	10000	9100
G222	LW2-G222	14	120	38	64	68	34	240	578 T	51	270	470	430
G223	LW2-G223	1400	33000	7800	37000	22000	1200	140000	242000 T	4400	41000	46000	42000
G224	LW2-G224	16	27	17	34	23	34	170	321 T	18	110	160	150
G225	LW2-G225	46000	430000	54000	390000	220000	73000	1700000	2910000 T	25000	320000	340000	300000
G226	LW2-G226	8.9	40	26	140	40	17	300	572 T	40	440	230	570
G227	LW2-G227	1.5 J	3.3	3.4	7.4	2.1 J	4.7 U	25	42.7 JT	9.5	28	50	58
G228	LW2-G228	24	75	47	140	83	51	970	1390 T	96	460	680	830
G229	LW2-G229	18	47	35	67	28	39	240	474 T	58	290	500	480
G230	LW2-G230	6.9	67	32	120	60	21 U	370	656 T	86	640	640	980
G231	LW2-G231	6.1	28	14	40	21	17	140	266 T	45	210	320	360
G232	LW2-G232	14	78	37	100	68	24	580	901 T	160	560	810	950
G233	LW2-G233	26	67	110	100	44	67	290	704 T	140	920	1500	1300
G234	LW2-G234	1.7 J	55	3.1	16	30	5.3 U	320	426 JT	8.1	40	56	69
G235	LW2-G235	25	22	280 J	170 J	20	96 J	69 J	682 JT	260 J	1900	2900	2400
G236	LW2-G236	23	30	37	69	30	57	380	626 T	95	400	670	740
G237	LW2-G237	27	78	57	150	58	68	520	958 T	97	540	870	860
G238	LW2-G238	78	61	20	58	54	170	180	621 T	26	180	190	210
G239	LW2-G239	11	14	15	32	12	26	110	220 T	32	170	230	250
G240	LW2-G240	26	67	56	130	58	67	450	854 T	97	490	850	830
G241	LW2-G241	18	47	29	56	36	45	190	421 T	47	220	370	340
G242	LW2-G242	20	66	56	150	52	49	550	943 T	100	550	860	850
G243	LW2-G243	3.5	5.5	6.6	9.5	3.2	9.2 U	20	48.3 T	4.6	26	41	40
G244	LW2-G244	17	21	20	61	19	45	210	393 T	44	200	320	340
G245	LW2-G245	36	110	42	160	94	90	900	1430 T	130	540	840	820
G246	LW2-G246	15	26	31	61	20	44	190	387 T	51	240	460	390
G247	LW2-G247	29	35	28	87	36	60	390	665 T	69	270	370	410
G248	LW2-G248	4.7	8.6	8.9	19	5.5	11	36	93.7 T	7.4	43	80	71
G249	LW2-G249	39	17	36	39	28	52	70	281 T	39	170	330	280
G250-1	LW2-G250	22	14	47	51	27	31	410	602 T	42	200	330	340
G251-1	LW2-G251-1	97	400	140	430	160	170	2200	3600 T	220	1300	2200	1900
G251-2	LW2-G251-2	30	130	100	160	79	93	2400	2990 T	150	1100	1500	1400
G252	LW2-G252	13	56	37	46	22	33	130	337 T	42	240	420	330
G253	LW2-G253	220	430	1200	1100	360	550	310	4170 T	900	8000	9900	8000
G254	LW2-G254	23	130	26	120	71	110	470	950 T	290	640	1100	1200
G255	LW2-G255	110	11	41	89	20	150	270	691 T	50	420	340	260
G256	LW2-G256	7.1	1500	37	59	15	17	150	1790 T	24	150	220	190
G257	LW2-G257	110	24	110	87	20	200	130	681 T	78	190	460	370
G258	LW2-G258	220	1200	200	690	730	140	2500	5680 T	120	980	1200	1000
G259	LW2-G259	840	2400	1200	3900	1600	1700	16000	27600 T	2400	14000	21000	18000
G260	LW2-G260	31	8	31	39	10	54	150	323 T	38	170	270	250
G261	LW2-G261	4.6	24	4.9	23	10	11	68	146 T	3.2	25	32	29
G262	LW2-G262	5.4	5.2	1.9 J	8.6	5.5	5.7	20	52.3 JT	2.3 J	14	15	18
G263	LW2-G263	330	510	180	640	280	13000	3100	18000 T	530	3100	4700	4100
G264	LW2-G264	8900	51000	3700	60000	21000	22000	230000	397000 T	14000	120000	140000	120000
G265	LW2-G265	27	390	260	190	42	120	270	1300 T	230	1400	1700	1400
G266	LW2-G266	4.5	3.4	18	18	3.8	11 U	17	64.7 T	15	73	140	130

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G188	LW2-G188	80				140	180	230	150	210	1630 T	1900 T
G189	LW2-G189	150				440	370	870	420	910	4520 T	5100 T
G190	LW2-G190	340				840	920	1000	910	930	7750 T	8630 T
G191	LW2-G191	68				190	300	770	160	650	2900 T	3950 T
G192	LW2-G192	130				230	300	500	250	430	2840 T	3220 T
G193	LW2-G193	220				250	610	1300	320	810	5170 T	6590 T
G194	LW2-G194	940				2900	3200	6300	2700	8600	34500 T	36400 T
G195	LW2-G195	160				520	350	880	490	1000	4840 T	5860 T
G196	LW2-G196	430				480	1300	2200	520	2000	10200 T	13300 T
G197-1	LW2-G197-1	240				480	590	1200	500	1100	6080 T	7770 T
G197-2	LW2-G197-2	260				800	740	870	740	950	6710 T	7740 T
G198	LW2-G198	260				510	580	960	580	960	5920 T	6760 T
G199	LW2-G199	170				340	420	760	380	720	4220 T	8320 T
G200	LW2-G200	72				220	180	310	210	360	1960 T	2320 T
G202	LW2-G202	76				140	200	390	150	300	1850 T	2180 T
G203-1	LW2-G203-1	125 T				205 T	290 T	635 T	215 T	570 T	3000 T	3490 T
G203-2	LW2-G203-2	160				300	380	920	310	710	4050 T	4730 T
G204	LW2-G204	460				1200	1200	1200	1100	1300	10300 T	12200 T
G205	LW2-G205	39				130 J	110 J	200 J	100 J	260 J	1210 JT	1370 JT
G206	LW2-G206	160				370	450	680	390	740	4130 T	4920 T
G207	LW2-G207	240				550	530	1200	590	1100	6260 T	8130 T
G208	LW2-G208	110				380	270	810	360	810	3710 T	4530 T
G209	LW2-G209	410				660	900	1600	730	1400	8620 T	10700 T
G210	LW2-G210	6000				19000	19000	60000	17000	77000	260000 T	345000 T
G212-1	LW2-G212-1	13				31	34	53	28	64	328 T	397 JT
G212-2	LW2-G212-2	19				53	57	130	47	150	626 T	852 T
G213	LW2-G213	460				1900	1300	4700	1600	4400	18900 T	23200 T
G214-1	LW2-G214-1	140				320	330	710	330	650	3610 T	4320 T
G215	LW2-G215	560				1400	1400	1900	1300	2200	13300 T	15100 T
G216	LW2-G216	220				670	680	990	630	1500	6850 T	7140 T
G217	LW2-G217	51				130	160	350 J	120	510 J	1720 JT	2020 JT
G218	LW2-G218	190				390	410	860	420	700	4530 T	5280 T
G219	LW2-G219	18000				46000	69000	190000	45000	170000	734000 T	1130000 T
G220	LW2-G220	290				820	920	2600	910	3400	11700 T	13200 T
G221	LW2-G221	2900				7100	9700	34000	6700	36000	124000 T	194000 T
G222	LW2-G222	130				400	330	650	390	720	3840 T	4420 T
G223	LW2-G223	16000				41000	48000	140000	40000	140000	558000 T	801000 T
G224	LW2-G224	52				130	150	240	120	240	1370 T	1690 T
G225	LW2-G225	100000				180000	370000	1200000	210000	1300000	4350000 T	7260000 T
G226	LW2-G226	180				180	910	1200	200	910	4860 T	5430 T
G227	LW2-G227	19				51	30	56	50	66	418 T	460 JT
G228	LW2-G228	250				590	800	1900	580	1500	7690 T	9080 T
G229	LW2-G229	150				440	350	610	420	630	3930 T	4400 T
G230	LW2-G230	290				420	780	1000	440	940	6220 T	6870 T
G231	LW2-G231	110				270	260	390	270	380	2620 T	2880 T
G232	LW2-G232	330				810	680	980	870	1000	7150 T	8050 T
G233	LW2-G233	420				1200	1100	1300	1100	1600	10600 T	11300 T
G234	LW2-G234	23				46	59	160	44	130	635 T	1060 JT
G235	LW2-G235	780 J				2100	2100	3500	2000	4600	22500 JT	23200 JT
G236	LW2-G236	230				620	520	790	600	970	5640 T	6260 T
G237	LW2-G237	260				720	690	920	700	890	6550 T	7510 T
G238	LW2-G238	70				170	210	620	150	630	2460 T	3080 T
G239	LW2-G239	82				200	200	270	200	300	1930 T	2150 T
G240	LW2-G240	260				740	630	1000	720	1100	6720 T	7570 T
G241	LW2-G241	120				310	280	370	320	380	2760 T	3180 T
G242	LW2-G242	270				720	670	1100	720	1100	6940 T	7880 T
G243	LW2-G243	13				36	38	47	33	59	338 T	386 T
G244	LW2-G244	110				290	260	460	290	460	2770 T	3170 T
G245	LW2-G245	250				760	630	1000	750	1100	6820 T	8250 T
G246	LW2-G246	130				420	290	430	390	530	3330 T	3720 T
G247	LW2-G247	130				340	310	670	350	570	3490 T	4150 T
G248	LW2-G248	22				73	67	75	65	97	600 T	694 T
G249	LW2-G249	80				290	240	230	250	360	2270 T	2550 T
G250-1	LW2-G250	100				360	260	500	330	600	3060 T	3660 T
G251-1	LW2-G251-1	600				1900	1600	3100	1800	3600	18200 T	21800 T
G251-2	LW2-G251-2	450				1300	1200	4400	1200	5600	18300 T	21300 T
G252	LW2-G252	100				330	290	370	310	530	2960 T	3300 T
G253	LW2-G253	2800				6400	9800	18000	6900	22000	92700 T	96900 T
G254	LW2-G254	430				970	910	1200	1200	1200	9140 T	10100 T
G255	LW2-G255	81				190	480	610	150	820	3400 T	4090 T
G256	LW2-G256	58				190	170	750	180	860	2790 T	4580 T
G257	LW2-G257	110				300	300	160	320	270	2560 T	3240 T
G258	LW2-G258	320				900	1300	3500	830	3300	13500 T	19100 T
G259	LW2-G259	5900				16000	17000	28000	17000	31000	170000 T	198000 T
G260	LW2-G260	79				230	240	290	200	380	2150 T	2470 T
G261	LW2-G261	9.7				24	33	70	22	89	337 T	482 T
G262	LW2-G262	6				9.7	17	31	10	27	150 JT	202 JT
G263	LW2-G263	1300				4000	3700	6500	3800	7300	39000 T	57100 T
G264	LW2-G264	37000				93000	130000	240000	88000	330000	1310000 T	1710000 T
G265	LW2-G265	510				1300	1600	3600	1200	5400	18300 T	19600 T
G266	LW2-G266	45				130	98	68	120	110	929 T	994 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G267	LW2-G267	4.4	5.1	4.6	13	4.6	9.9	27	68.6 T	6.4	28	37	50
G268	LW2-G268	13	28	9.7	65	24	30	85	255 T	16	64	84	120
G269	LW2-G269	2600	7300	670	5700	4200	2300	35000	57800 T	2000	13000	17000	16000
G270-1	LW2-G270-1	1800	6300	1100	6800	3200	3200	43000 J	65400 JT	2100	12000	17000	15000
G270-2	LW2-G270-2	4200	8000	2300	10000	5000	3900	45000	78400 T	3200	22000	32000	28000
G271	LW2-G271	0.77 J	1.6 J	1.6 J	2.2 J	1 J	1.6 U	6	13.2 JT	1.3 J	7	9.9	10
G272	LW2-G272	15	32	18	34	17	41	100	257 T	22	110	200	170
G273	LW2-G273	360	3800	750	2500	2300	860	22000	32600 T	1300	9000	12000	12000
G274	LW2-G274	250	3300	1400	6700	2100	1200	8300	23300 T	2200	12000	17000	16000
G275-1	LW2-G275-1	24	710	12	110	490	35	920	2300 T	9.6	130	74	110
G275-2	LW2-G275-2	75	1800	22	200	850	94	1700	4740 T	9.8	130	77	110
G276	LW2-G276	460	910	350	1200	470	510	4500	8400 T	400	2400	4100	3600
G277	LW2-G277	6.5	7.7	4	18	9.4	12	46	104 T	8.9	43	46	64
G278	LW2-G278	3500	6600	2700	7100	3800	3400	32000	59100 T	2500	18000	27000	24000
G280	LW2-G280	18	16	8.5	32	21	65	82	243 T	11	65	71	96
G281	LW2-G281	2.5	1.6 J	8.8	5.1	1.4 J	3.8	5.1	28.3 JT	8.4	46	85	67
G282	LW2-G282	79	39	31	75	69	180	350	823 T	71	300	220	380
G283	LW2-G283	17000	89000	11000	78000	41000	38000	320000	594000 T	12000	110000	140000	130000
G284	LW2-G284	130	1500	360	720	650	290	5600	9250 T	350	2200	3700	3100
G285	LW2-G285	1.7 J	1.3 J	1.5 J	1.9 J	0.87 J	3.2	5.3	15.8 JT	1.3 J	5.8	11	9.3
G287	LW2-G287	23	430	4.5	26	110	42	200	836 T	2.7	12	18	18
G288	LW2-G288	200000	240000	5400	140000	110000	230000	790000	1720000 T	8500	88000	100000	91000
G289	LW2-G289	760	5100	1400	4500	2600	1600	35000	51000 T	1700	11000	17000	15000
G290	LW2-G290	18	170	5.8	45	78	10	320	647 T	2.9	41	21	33
G291	LW2-G291	23	26	7.9	34	25	31	82	229 T	7.2	52	48	68
G292	LW2-G292	1600	9400	3100	10000	4400	2100	39000	69600 T	2600	21000	31000	27000
G293	LW2-G293	22	35	9.2	44	33	40	110	293 T	12	78	82	110
G294-1	LW2-G294-1	52000	99000	3000	53000	40000	73000	300000	620000 T	5400	40000	42000	40000
G294-2	LW2-G294-2	8050 T	37000 T	4450 T	35500 T	23000 T	13000 T	165000 T	286000 T	5150 T	41500 T	51500 T	48500 T
G295	LW2-G295	3.6	3.6	3.2	10	4.5	8.1	15	48 T	4.7	23	28	35
G296	LW2-G296	8.9	8.1	5.1	12	8	20	20	82.1 T	5.6	23	31	45
G297	LW2-G297	350	13000	700	5600	5700	480	41000	66800 T	370	3400	4600	3900
G298	LW2-G298	630000	600000	14000	350000	340000	1500000	1700000	5130000 T	17000	200000	220000	190000
G299	LW2-G299	700	2700	250	510	750	890	2300	8100 T	330	1200	1900	1600
G300	LW2-G300	1.5 J	1.2 J	1.1 J	2.2 J	1.3 J	0.5 U	5.1	12.4 JT	0.67 J	3.9	4.8	5.2
G301	LW2-G301	37000	63000	6200	78000	59000	2300	400000	646000 T	4000	52000	47000	40000
G302	LW2-G302	320	650	1700	2400	420	1100	6200	12800 T	1500	9300	17000	15000
G303	LW2-G303	13	14	5	17	16	26	34	125 T	5.8	33	32	49
G305	LW2-G305	280	1400	210	480	1000	590	5200	9160 T	180	1000	1300	1100
G306	LW2-G306	7	8.5	3.6	12	8.4	16 U	32	71.5 T	2.1 J	19	15	26
G307	LW2-G307	80	830	6.5	37	410	92	400	1860 T	4.4	26	29	37
G308	LW2-G308	140	3000	100	4200	2800	170	12000	22400 T	100	1400	780	930
G309	LW2-G309	31	140	76	160	100	74	820	1400 T	53	400	550	540
G310	LW2-G310	8.3	20	6.8	12	11	15	56	129 T	4.2	29	30	39
G311-1	LW2-G311-1	530 T	2050 T	415 T	2900 T	1650 T	685 T	19000 T	27200 T	425 T	3850 T	4800 T	4300 T
G311-2	LW2-G311-2	37	230	150	250	160	100	990	1920 T	200	1000	1400	1400
G313	LW2-G313	5.7	25	5.2	12	17	0.64 U	82	147 T	3.7	23	25	32
G314	LW2-G314	21	2900	52	110	860	47	450	4440 T	38	200	320	320
G315	LW2-G315	31	150	48	110	96	69	640	1140 T	110	460	760	770
G316	LW2-G316	11	9.3	70	33	6.7	35	36	201 T	49	120	410	340
G317	LW2-G317	2.1 J	3.2	2.5	6.1	2.8	0.55 U	15	31.7 JT	1.8 J	10	14	16
G318	LW2-G318	81	3700	180	840	2300	130	4800	12000 T	230	810	1400	1500
G319	LW2-G319	1.5 J	1.4 J	1.1 U	3.7	1.5 J	5.2 U	6.1	14.2 JT	0.5 J	4.7	3.3	4.9
G320	LW2-G320	170	11000	260	1600	5800	210	12000	31000 T	280	1500	1700	1800
G321	LW2-G321	66	190	32	87	87	150	970	1580 T	31	210	250	260
G322	LW2-G322	200	8300	150	1600	5700	340	20000	36300 T	82	1500	620	720
G323	LW2-G323	58 J	76	290 J	190 J	55	140 J	360	1170 JT	280 J	900 J	2000	2000
G324-1	LW2-G324-1	11	27	61	58	19	32	190	398 T	91	370	690	700
G324-2	LW2-G324-2	39	250 J	52	430	140	75	1300	2290 JT	500 J	1800	2500	2900
G325	LW2-G325	12	1100	72	200	140	30	210	1760 T	31	410	280	400
G326	LW2-G326	46	95	19	45	52	87	310	654 T	7.1	66	59	68
G327	LW2-G327	54	66	45	81	49	110	370	775 T	36	140	230	230
G328	LW2-G328	1.2 J	1.4 J	1.3 U	5.7	1.7 J	5.9 U	20	30 JT	0.5 J	3.7	3.7	4.5
G329	LW2-G329	2.8	22	5.3	31	5.5	0.47 U	28	94.6 T	8.5	40	54	64
G330	LW2-G330	26	1200	39	380	750	0.74 U	3000	5400 T	31	410	280	230
G331	LW2-G331	19	88	180	240	100	38	2300	2970 T	250	960	1400	2100
G332	LW2-G332	17	150	26	65	79	43	300	680 T	20	130	160	180
G333	LW2-G333	60	180	51	220	110	130	950	1700 T	220	930	1200	1400
G334	LW2-G334	18	170	16	680	280	36	2000	3200 T	280	1500	1600	2000
G335	LW2-G335	23	18	11	44	18	58	280	452 T	37	340	280	350
G336	LW2-G336	10	12	6.3	11	6.3	28	42	116 T	8.7	36	56	62
G337	LW2-G337	3.3	3.1	4.3	7.5	3.3	11 U	17	38.5 T	2.6	16	20	24
G338	LW2-G338	4.3	7.5	6	14	6.8	13 U	32	70.6 T	5.3	29	48	48
G339	LW2-G339	3.6	4.3	4.3	8.6	3.8	9.9	28	62.5 T	11	39	48	65
G340	LW2-G340	3.1	3.4	3.4	6	3.8	12 U	20	39.7 T	3.9	20	24	37
G341	LW2-G341	4.6	3.8	5.6	9.7	3.7	18 U	27	54.4 T	5	28	40	46
G342	LW2-G342	4.2	5.7	5.4	13	9.5	12	130	180 T	6.5	42	39	78
G343	LW2-G343	4.7	4.4	2.4 J	6.1	4.1	9.7 U	17	38.7 JT	1.5 J	12	12	17
G344	LW2-G344	3.5	2.9 J	5.6	12	3.2	12 U	20	47.2 JT	4.6	25	40	42
G345-1	LW2-G345-1	2.8 T	4.75 T	6.7 T	14.5 T	5 T	7.65 T	41 T	82.4 T	11 T	65.5 T	78 T	104 T
G345-2	LW2-G345-2	3.4	6.5	8.3	16	6.8	9.6	50	101 T	14	86	100	140

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G267	LW2-G267	16				31	36	52	29	53	338 T	407 T
G268	LW2-G268	36				73	120	170	71	160	914 T	1170 T
G269	LW2-G269	4800				15000	16000	32000	13000	41000	170000 T	228000 T
G270-1	LW2-G270-1	4700				14000	14000	33000	14000	39000	165000 T	230000 JT
G270-2	LW2-G270-2	9200				26000	26000	55000	24000	67000	292000 T	371000 T
G271	LW2-G271	3				9	8.1	11	7	14	80.3 JT	93.5 JT
G272	LW2-G272	55				180	140	210	170	300	1560 T	1810 T
G273	LW2-G273	3800				10000	11000	26000	9800	28000	123000 T	155000 T
G274	LW2-G274	5900				15000	16000	32000	13000	38000	167000 T	190000 T
G275-1	LW2-G275-1	34				42	150	780	40	530	1900 T	4200 T
G275-2	LW2-G275-2	36				55	150	980	49	610	2210 T	6950 T
G276	LW2-G276	1200				3700	3200	6600	3300	7600	36100 T	44500 T
G277	LW2-G277	21				38	52	89	37	76	475 T	579 T
G278	LW2-G278	7600				23000	21000	55000	21000	68000	267000 T	326000 T
G280	LW2-G280	32				57	89	190	51	170	832 T	1070 T
G281	LW2-G281	22				73	56	34	70	56	517 T	546 JT
G282	LW2-G282	120				220	300	640	300	770	3320 T	4140 T
G283	LW2-G283	42000				100000	120000	340000	100000	420000	1510000 T	2110000 T
G284	LW2-G284	950				3400	2600	5500	3200	6900	31900 T	41200 T
G285	LW2-G285	3.3				9.4	7	11	8.5	13	79.6 JT	95.4 JT
G287	LW2-G287	6.3				15	16	48	14	47	197 T	1030 T
G288	LW2-G288	32000				80000	110000	360000	80000	430000	1380000 T	3090000 T
G289	LW2-G289	4700				15000	13000	36000	14000	46000	173000 T	224000 T
G290	LW2-G290	12				14	56	210	13	150	553 T	1200 T
G291	LW2-G291	23				36	66	130	36	120	586 T	815 T
G292	LW2-G292	8100				26000	26000	69000	24000	79000	314000 T	383000 T
G293	LW2-G293	34				57	110	210	57	190	940 T	1230 T
G294-1	LW2-G294-1	17000				44000	51000	150000	44000	210000	643000 T	1260000 T
G294-2	LW2-G294-2	15500 T				45500 T	47000 T	128000 T	44500 T	175000 T	602000 T	888000 T
G295	LW2-G295	12				21	32	43	19	46	264 T	312 T
G296	LW2-G296	14				27	36	55	25	51	313 T	395 T
G297	LW2-G297	1200				3700	4200	17000	3500	18000	59900 T	127000 T
G298	LW2-G298	65000				140000	230000	700000	140000	910000	2810000 T	7950000 T
G299	LW2-G299	600				1700	1400	1900	1500	2100	14200 T	22300 T
G300	LW2-G300	1.7 J				3.4	5	8.4	2.9	9.8	45.8 JT	58.2 JT
G301	LW2-G301	13000				29000	62000	140000	28000	190000	605000 T	1250000 T
G302	LW2-G302	4800				15000	11000	21000	13000	27000	135000 T	147000 T
G303	LW2-G303	16				26	48	85	24	77	396 T	521 T
G305	LW2-G305	380				1100	1100	2800	1100	2700	12800 T	21900 T
G306	LW2-G306	8.2				13	28	64	11	64	250 JT	322 JT
G307	LW2-G307	12				22	31	61	21	64	307 T	2160 T
G308	LW2-G308	370				590	1800	6400	600	5800	18800 T	41200 T
G309	LW2-G309	170				460	500	900	430	1100	5100 T	6500 T
G310	LW2-G310	14				27	39	65	23	83	353 T	482 T
G311-1	LW2-G311-1	1400 T				3500 T	4900 T	13000 T	3150 T	15500 T	54800 T	82100 T
G311-2	LW2-G311-2	460				1200	1300	1600	1000	2000 J	11600 JT	13500 JT
G313	LW2-G313	12				22	28	65	19	70	300 T	447 T
G314	LW2-G314	100				300	310	340	260	430	2620 T	7060 T
G315	LW2-G315	240				660	580	930	650	1000	6160 T	7300 T
G316	LW2-G316	100				450	170	130	410	220	2400 T	2600 T
G317	LW2-G317	5.4				15	21	19	12	25	139 JT	171 JT
G318	LW2-G318	470				1200	940	2100	990	2100	11700 T	23800 T
G319	LW2-G319	1.7 J				2.4 J	6.7	15	2.2 J	11	52.4 JT	66.6 JT
G320	LW2-G320	570				1300	1900	5800	1200	5900	22000 T	53000 T
G321	LW2-G321	85				220	250	930	200	820	3260 T	4840 T
G322	LW2-G322	300				230	1700	7400	310	6500	19400 T	55700 T
G323	LW2-G323	620 J				1900	1300	1200	1800	1600	13600 JT	14800 JT
G324-1	LW2-G324-1	230				600	510	720	590	670	5170 T	5570 T
G324-2	LW2-G324-2	980 J				1600	2100	2700	1600	2900	19600 JT	21900 JT
G325	LW2-G325	140				180	440	730	180	690	3480 T	5250 T
G326	LW2-G326	24				51	78	260	45	270	928 T	1580 T
G327	LW2-G327	75				200	180	480	190	420	2180 T	2960 T
G328	LW2-G328	1.4 J				3.5	5.1	11	2.8	13	49.2 JT	79.2 JT
G329	LW2-G329	21				55	59	100	50	150	602 T	696 T
G330	LW2-G330	240				170	510	1900	200	1400	5370 T	10800 T
G331	LW2-G331	610				1300	1700	3600	1200	3800	16900 T	19900 T
G332	LW2-G332	59				160	170	310	130	390	1710 T	2390 T
G333	LW2-G333	450				900	1100	1700	880	1600	10400 T	12100 T
G334	LW2-G334	660				940	1700	3500	960	3000	16100 T	19300 T
G335	LW2-G335	90				190	620	860	170	1200	4140 T	4590 T
G336	LW2-G336	22				54	54	68	50	92	503 T	618 T
G337	LW2-G337	8				18	23	31	15	37	195 T	233 T
G338	LW2-G338	16				46	41	47	41	64	385 T	456 T
G339	LW2-G339	21				59	60	82	55	74	514 T	577 T
G340	LW2-G340	12				19	30	39	18	41	244 T	284 T
G341	LW2-G341	15				38	39	48	32	60	351 T	405 T
G342	LW2-G342	23				31	91	260	29	190	790 T	969 T
G343	LW2-G343	6				9.3	15	26	8.8	28	136 JT	174 JT
G344	LW2-G344	14				41	41	42	36	55	341 T	388 JT
G345-1	LW2-G345-1	36 T				63.5 T	107 T	124 T	63 T	118 T	770 T	852 T
G345-2	LW2-G345-2	47				86	160	160	86	160	1040 T	1140 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G346	LW2-G346	8.3	9.3	14	45	17	23	110	227 T	28	180	180	340
G347	LW2-G347	9.5	11	12	33	14	20	100	200 T	22	120	120	220
G348	LW2-G348	5.5	16	5.2	12	41	13	220	313 T	11	57	69	130
G349	LW2-G349	19	11	8.4	25	14	43	86	206 T	9.1	54	57	70
G350	LW2-G350	38	100	25	160	180	0.7 U	1100	1600 T	87	820	700	1100
G351	LW2-G351	8	41	14	53	38	14	170	338 T	27	270	210	320
G351-2	LW2-G351-2	29.5 T	175 T	78 T	255 T	215 T	28.5 T	1040 T	1820 T	87.5 T	1080 T	645 T	1090 T
G352	LW2-G352	2.3 J	1.7 J	2.1 J	3.1	1.6 J	5.8 U	11	21.8 JT	2.5 J	13	15	20
G353-1	LW2-G353-1	5	9.6	8.7	23	13	8.9	110	178 T	34	140	150	290
G353-2	LW2-G353-2	7.3	17	7.4	17	13	11	84	157 T	19	77	94	180
G354	LW2-G354	4.2	3.1	3.8	5.7	3.4	12 U	17	37.2 T	2.4 J	16	15	22
G355	LW2-G355	14 J	93	85	1100	130	16 J	4900	6340 JT	3900	16000	12000	33000
G356	LW2-G356	3.9	6.2	10	24	9	0.86 U	47	100 T	11	68	68	110
G357	LW2-G357	1.9 J	1.4 U	1.8 J	2.4 J	1.5 J	7.5 U	9.3	16.9 JT	0.97 J	5.7	7.2	9
G358	LW2-G358	3.2	2.9 J	6.2	11	3.5	14 U	22	48.8 JT	4	21	28	36
G359	LW2-G359	3.2	2.9 J	3	6.5	3.9	0.83 U	23	42.5 JT	4.9	21	26	38
G360	LW2-G360	2.9	5.3	5.4	13	5.5	6.5	52	90.6 T	15	62	95	130
G361	LW2-G361	3.3	1.9 J	4.9	5.8	2.9	10	19	47.8 JT	2.3 J	13	15	22
G362-1	LW2-G362-1	4.45 T	4.3 T	6.6 T	12 T	5.45 T	12.4 T	41.5 T	86.7 T	6.85 T	41 T	48 T	68.5 T
G362-2	LW2-G362-2	1.7 J	1.1 J	2.4 J	4.7	1.5 J	5 U	9.6	21 JT	2.4 J	12	17	21
G363	LW2-G363	2.5 J	1.8 J	4.1	5.4	2.4 J	6.6	19	41.8 JT	7.3	47	44	64
G364	LW2-G364	15	14	17	18	10	37	96	207 T	11	58	83	86
G365	LW2-G365	11	9.8	4.9	8.6	6.6	33	35	109 T	4.6	29	35	44
G366	LW2-G366	1.7 J	1.6 J	3.3	6.5	1.7 J	4.5 U	21	35.8 JT	6	26	36	49
G367	LW2-G367	14	75	20	48	74	23	710	964 T	36	280	210	590
G368	LW2-G368	5	10	4.8	12	10	13	52	107 T	4.5	32	32	42
G369	LW2-G369	1.9 J	1.8 U	3.9	6.7	2.3 J	8.2 U	16	30.8 JT	2.2 J	16	17	25
G370	LW2-G370	3.3	3.8	3.4	9	3.5	10 U	29	52 T	8.2	35	43	61
G371	LW2-G371	4.9	4.4	4.2	9.8	4.4	12	36	75.7 T	6.3	42	46	63
G372-1	LW2-G372-1	4.25 T	3.4 JT	3.6 JT	7.15 T	3.4 JT	9 T	30 T	60.8 JT	5.85 T	27.5 T	35 T	53 T
G372-2	LW2-G372-2	1.7 J	3 J	3.3	7.2	2.5 J	5.2	24	46.9 JT	7.4	30	38	56
G373	LW2-G373	1.9 J	1.1 J	2 J	2.4 J	1.6 J	7.8 U	9	18 JT	0.9 J	8.4	8.4	8.2
G374	LW2-G374	1.8 J	1.5 J	5.6	9.3	2 J	7.1 U	13 J	33.2 JT	2 J	23	19	33
G375	LW2-G375	2.2 J	2 J	1.8 J	3.1	1.9 J	7.9 U	14	25 JT	2.4 J	11	14	20
G376	LW2-G376	3.2	8.8	4.2	13	7.5	5.5	68	110 T	15	71	83	110
G377	LW2-G377	1.1 J	0.56 J	2 J	1.5 J	0.58 J	3.1 U	7.2	12.9 JT	1.8 J	7.8	14	12
G378	LW2-G378	2.8 U	1.7 J	3.4	4.7	2.3 J	11 U	18	30.1 JT	3.3	16	18	23
G379	LW2-G379	9.5	10	16	30	12	22	93	193 T	19	110	110	190
G380	LW2-G380	36	200	57	290	160	32	1100	1880 T	48	790	400	620
G381	LW2-G381	4.6	7.2	2.9 U	9.9	6	25	34	86.7 T	3.5	20	25	30
G382	LW2-G382	14	14	12	30	15	32	140	257 T	33	120	170	260
G383	LW2-G383	5.9	3.5	1.6 J	7.5	6	4.8 U	45	69.5 JT	12	35	37	62
G384-1	LW2-G384-1	4.4 T	8.05 T	1.95 JT	6.65 T	5.8 T	6.6 T	39.5 T	73 JT	5.8 T	28 T	32.5 T	45.5 T
G384-2	LW2-G384-2	9.8	8	2.6 J	11	8.4	11	71	122 JT	9.5	50	51	72
G385	LW2-G385	3.5 J	4	6.6	12	5.5	8.2	43	82.8 JT	9.9	48	57	91
G386	LW2-G386	2.4 J	2.6	1.3 J	3.7	2.6	5.5 U	21	33.6 JT	5.1	22	26	33
G387	LW2-G387	1.6 J	1 J	1.9 J	2.6 J	1.2 J	7.7 U	8.2	16.5 JT	2.1 J	7.4	9.4	13
G388	LW2-G388	2.4 J	1.6 J	1.9 J	5.8	1.3 J	6.9 U	22	35 JT	3.7	22	25	34
G389	LW2-G389	0.51 U	0.24 U	0.61 J	0.33 U	0.29 U	1.2 U	0.53 J	1.14 JT	0.39 U	0.5 J	0.33 U	0.72 U
G390	LW2-G390	40	300	46	440	290	62	1900	3080 T	240	1100	1100	1400
G391	LW2-G391	4.1	2.1 J	4.2	8.6	3.4	12 U	19	41.4 JT	3.1	18	18	24
G392	LW2-G392	30	55	15	97	57	64	550	868 T	62	320	340	440
G393	LW2-G393	16 J	180	44	380	170	23 U	1300	2090 JT	220	1400	1300	1900
G394	LW2-G394	180	210	72 U	89	720	95	2000	3290 T	22	150	130	160
G395	LW2-G395	3.3	1.9 J	1.8 J	4.2	1.8 J	10 U	20	33 JT	7.1	38	32	53
G396	LW2-G396	0.69 J	0.25 U	0.72 J	0.62 J	0.3 U	2 U	4.9	6.93 JT	0.41 U	1.3 J	2.2 J	2.9
G397	LW2-G397	8.1	11	25	48	16	23	130	261 T	26	110	130	240
G398	LW2-G398	12	4.5	4.7	7.8	5.1	35	37	106 T	4.7	23	24	38
G399	LW2-G399	17	18	31	74	18	31	170	359 T	22	160	170	180
G400	LW2-G400	1.6 U	0.64 J	1.3 J	1.5 J	0.88 J	7.5 U	5.5	9.82 JT	1.6 J	6.5	8.2	8.9
G401	LW2-G401	15	27	29	88	36	29	450	674 T	53	260	290	390
G402	LW2-G402	7.5	20	17	43	18	14	160	280 T	38	170	180	310
G403	LW2-G403	4.3	7.8	1.5 J	8.6	4.6	6.5	36 J	69.3 JT	1.6 J	11	14	15
G404	LW2-G404	8.9	17	11	28	20	1 U	140	225 T	16	78	93	140
G405	LW2-G405	6.3	2.9	3.5	9.1	40 U	7.2 U	47	68.8 T	8.3	33	38	55
G406	LW2-G406	2.6	1.5 J	2.2 J	3.3	1.7 J	9.2 U	13	24.3 JT	3.5	12	18	21
G407	LW2-G407	3.1	3.6	3.1	5.9	3.9	9.9 U	31	50.6 T	2.9	20	21	32
G408	LW2-G408	7.6	43	7.5	21	36	8.9	110	234 T	18	84	86	140
G409	LW2-G409	11	7.9	2 J	3.9	5.2	30	25	85 JT	3.3	12	17	22
G410-1	LW2-G410-1	1.9 J	1.3 J	2.6 J	2.7 J	1.7 J	6.3	12	28.5 JT	2.1 J	8.7	10	16
G410-2	LW2-G410-2	5.8 U	2.5 J	6.6	7.4	3.4 J	17 U	20	39.9 JT	3 J	14	19	25
G411	LW2-G411	1.1 J	1.7 J	2.3 J	4.6	1.9 J	3.3 U	17	28.6 JT	4.2	15	22	39
G412	LW2-G412	2 U	0.78 J	1.4 J	2.1 J	1.1 J	7.6 U	6.7	12.1 JT	2 J	8.9	11	13
G413	LW2-G413	1 J	1.3 J	1.4 J	1.9 J	1.3 J	3.1 U	6	12.9 JT	1.3 J	7.4	9.2	13
G414	LW2-G414	2.6 U	0.92 J	3.2	3.7	1.6 J	10 U	12	21.4 JT	2.7	14	15	20
G415	LW2-G415	19	81	93	300	80	30	1100	1700 T	150	760	780	1300
G416	LW2-G416	13	6.2	23	41	7	20	95	205 T	23	320	190	460
G417	LW2-G417	4.2	2.5 J	2.5	4.2	1.9 J	20	13	48.3 JT	2.3 J	11	12	19
G418	LW2-G418	4.1	2.4 J	3.3 J	4.1	2.7 J	12 U	14	30.6 JT	2.2 J	11	13	20
G419	LW2-G419	3.7	1.9 J	2.1 J	3.5	2.3 J	12 U	20	33.5 JT	3.5	14	18	24
G420	LW2-G420	6.6	4.7	3.4	5.1	4.3	16	67	107 T	3.4	16	19	37

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G346	LW2-G346	110				110	400	520	120	400	2390 T	2610 T
G347	LW2-G347	71				98	240	380	100	310	1680 T	1880 T
G348	LW2-G348	40				59	130	380	57	260	1190 T	1510 T
G349	LW2-G349	25				41	65	110	39	120	590 T	797 T
G350	LW2-G350	380				330	1800	3000	410	2300	10900 T	12500 T
G351	LW2-G351	120				110	380	530	120	370	2460 T	2800 T
G351-2	LW2-G351-2	390 T				235 T	1200 T	2100 T	310 T	1450 T	8590 T	10400 T
G352	LW2-G352	7.2				12	19	26	11	27	153 JT	175 JT
G353-1	LW2-G353-1	100				130	380	260	140	200	1820 T	2000 T
G353-2	LW2-G353-2	56				80	160	250	91	190	1200 T	1350 T
G354	LW2-G354	7.5				14	21	31	11	34	174 JT	211 JT
G355	LW2-G355	10000				9200	19000	17000	9900	13000	143000 T	149000 JT
G356	LW2-G356	38				61	120	100	57	100	733 T	833 T
G357	LW2-G357	3.1				7.2	7.5	12	6.2	15	73.9 JT	90.8 JT
G358	LW2-G358	13				29	36	45	24	55	291 T	340 JT
G359	LW2-G359	12				26	36	48	24	48	284 T	326 JT
G360	LW2-G360	42				75	96	130	74	130	849 T	940 T
G361	LW2-G361	7				16	21	32	13	36	177 JT	225 JT
G362-1	LW2-G362-1	20.5 T				44.5 T	62.5 T	92.5 T	39 T	87 T	510 T	597 T
G362-2	LW2-G362-2	7				14	22	25	12	28	160 JT	181 JT
G363	LW2-G363	22				36	33	68	36	71	428 T	470 JT
G364	LW2-G364	23				77	84	150	61	180	813 T	1020 T
G365	LW2-G365	15				29	33	49	25	61	325 T	434 T
G366	LW2-G366	17				29	83	55	25	56	382 T	418 JT
G367	LW2-G367	160				150	470	1500	160	1100	4660 T	5620 T
G368	LW2-G368	14				29	46	84	24	74	382 T	488 T
G369	LW2-G369	8.4				15	26	31	12	39	192 JT	222 JT
G370	LW2-G370	22				41	49	64	37	68	428 T	480 T
G371	LW2-G371	20				38	58	80	33	94	480 T	556 T
G372-1	LW2-G372-1	17 T				31.5 T	44 T	62 T	28.5 T	64.5 T	369 T	430 JT
G372-2	LW2-G372-2	18				34	49	51	35	50	368 T	415 JT
G373	LW2-G373	8.2				8.3	11	18	7.7	18	97.1 JT	115 JT
G374	LW2-G374	13				12	33	34 J	12	37 J	218 JT	251 JT
G375	LW2-G375	6.7				12	15	25	13	23	142 JT	167 JT
G376	LW2-G376	37				64	90	150	67	140	827 T	937 T
G377	LW2-G377	3.2				12	11	18	11	29	120 JT	133 JT
G378	LW2-G378	7.3				15	20	34	15	31	183 T	213 JT
G379	LW2-G379	61				110	180	230	100	220	1330 T	1520 T
G380	LW2-G380	190				230	840	2400	240	1700	7460 T	9330 T
G381	LW2-G381	10				20	23	41	19	46	238 T	324 T
G382	LW2-G382	81				160	220	340	150	290	1820 T	2080 T
G383	LW2-G383	17				46	36	94	31	91	461 T	531 JT
G384-1	LW2-G384-1	14.5 T				26.5 T	36.5 T	61 T	25 T	56 T	331 T	404 JT
G384-2	LW2-G384-2	24				39	61	110	39	99	555 T	676 JT
G385	LW2-G385	29				58	81	110	47	110	641 T	724 JT
G386	LW2-G386	11				20	26	38	20	36	237 T	271 JT
G387	LW2-G387	3.9				9.3	11	14	7.7	15	92.8 JT	109 JT
G388	LW2-G388	11				20	38	39	19	75	287 T	322 JT
G389	LW2-G389	0.5 U				0.56 J	0.62 U	1.1 J	0.36 U	0.54 U	2.16 JT	3.3 JT
G390	LW2-G390	590				920	1300	2700	1100	2200	12700 T	15700 T
G391	LW2-G391	8.4				13	27	33	14	29	188 T	229 JT
G392	LW2-G392	150				240	330	1000	270	690	3840 T	4710 T
G393	LW2-G393	640				940	1500	3700	1100	2500	15200 T	17300 JT
G394	LW2-G394	39				110	260	460	110	360	1800 T	5100 T
G395	LW2-G395	19				21	50	66	26	54	366 T	399 JT
G396	LW2-G396	1.2 J				1.3 J	4	11	1.4 J	8.7	34 JT	40.9 JT
G397	LW2-G397	76				140	200	280	130	280	1610 T	1870 T
G398	LW2-G398	12				27	35	71	23	67	325 T	431 T
G399	LW2-G399	64				83	220	500	100	400	1900 T	2260 T
G400	LW2-G400	2.9				7.1	8.6	12	6.1	12	73.9 JT	83.7 JT
G401	LW2-G401	130				260	350	780	270	780	3560 T	4240 T
G402	LW2-G402	97				180	240	460	190	380	2250 T	2520 T
G403	LW2-G403	4.6				9.6	13	27 J	8.8	38 J	143 JT	212 JT
G404	LW2-G404	47				67	120	210	75	170	1020 T	1240 T
G405	LW2-G405	17				39	55	70	36	82	433 T	502 T
G406	LW2-G406	7				15	20	25	15	24	161 T	185 JT
G407	LW2-G407	11				17	39	68	15	62	288 T	339 T
G408	LW2-G408	49				83	140	230	79	200	1110 T	1340 T
G409	LW2-G409	6.7				17	18	27	13	31	167 T	252 JT
G410-1	LW2-G410-1	4.3				11	12	22	8	24	118 JT	147 JT
G410-2	LW2-G410-2	8				17	22	38	14	35	195 JT	235 JT
G411	LW2-G411	11				24	24	40	23	40	242 T	271 JT
G412	LW2-G412	4.5				8.3	11	15	8.4	14	96.1 JT	108 JT
G413	LW2-G413	4.3				7.3	11	22	5.5	23	104 JT	117 JT
G414	LW2-G414	6.6				12	17	24	12	22	145 T	167 JT
G415	LW2-G415	470				590	1400	2400	700	2100	10700 T	12400 T
G416	LW2-G416	150				100	700	1300	120	1400	4760 T	4970 T
G417	LW2-G417	5.6				15	15	26	9.7	32	148 JT	196 JT
G418	LW2-G418	6.6				13	18	27	12	27	150 JT	180 JT
G419	LW2-G419	8				15	21	32	15	28	179 T	212 JT
G420	LW2-G420	10				21	30	150	18	93	397 T	505 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G421	LW2-G421	14	46	80	190	46	28	320	724 T	88	360	390	860
G422	LW2-G422	23	9.8	9.8	14	10	110	52	229 T	7.4	37	45	53
G423	LW2-G423	2.9 U	1.7 J	3.1	3.8	1.7 J	10 U	12	22.3 JT	2.6 J	13	16	20
G424	LW2-G424	1.9 J	1.1 J	1.8 J	3.8	1.4 J	5.9 U	14	24 JT	3.1	15	18	22
G425	LW2-G425	5.9	2.4 J	2 J	3.3	3.9	5.2 U	22	39.5 JT	2.9	13	15	23
G426	LW2-G426	20	82	150	320	140	41	980	1730 T	120	920	750	1700
G427	LW2-G427	16	4.5	5	13	6.6	19 U	29	74.1 T	4.8	18	26	33
G428	LW2-G428	2.3 U	1.5 J	0.98 J	2.1 J	1 J	7.3 U	8.2	13.8 JT	3.2	12	18	20
G429	LW2-G429	1.1 J	0.87 J	1.3 J	1.9 J	0.93 J	3.5 U	6.3	12.4 JT	1.6 J	6.5	8.4	12
G430	LW2-G430	0.98 J	6.2	2.4 J	48	7.6	2.9 U	100	165 JT	16	85	95	110
G431	LW2-G431	15	29	7.1	83	32	24	300	490 T	80	320	450	550
G432	LW2-G432	29	41	15	80	45	35	320	565 T	44	230	270	310
G433-1	LW2-G433-1	3	5.3	2 J	4.7	4.4	8.4 U	33	52.4 JT	10	40	53	73
G433-2	LW2-G433-2	2.3 J	5	5.8	6	3.6	11	32	65.7 JT	14	48	62	96
G434	LW2-G434	21	37	91	430	64	32	740	1420 T	100	820	830	860
G435	LW2-G435	1 J	0.55 J	1.4 J	0.88 J	0.7 J	4	3.4	11.9 JT	0.8 J	4.2	4.9	6.5
G436	LW2-G436	2 U	1.9 J	1.1 J	3.6	3.3	6.8 U	9.4	19.3 JT	0.67 J	5.4	4.3	7.4
G437	LW2-G437	7.7	6	8.6	13	7.3	18	52	113 T	8.5	46	55	71
G438	LW2-G438	14	13	11	22	9.1	46	91	206 T	5	33	46	42
G439	LW2-G439	10	11	16	29	12	22	100	200 T	19	94	100	190
G440	LW2-G440	1.7 J	2.4 J	2.9	3.4	1.9 J	5.1 U	12	24.3 JT	1.7 J	12	13	18
G441	LW2-G441	5.7	5.4	5.7	10	6.4	12	61	106 T	5	51	35	63
G442	LW2-G442	1.5 J	2 J	3.2	4.2	1.7 J	6.5	16	35.1 JT	4.3	20	30	38
G443	LW2-G443	1.3 J	0.89 J	1.9 J	2.6	1.1 J	5.5 U	9.3	17.1 JT	1.2 J	7.7	8.3	12
G444	LW2-G444	3.4	3.5	4	6.4	3.2	0.69 U	24	44.5 T	6.4	28	34	51
G445	LW2-G445	74	810	21	95	110	150	360	1620 T	65	280	280	410
G446	LW2-G446	15	4	2.1 J	5.1	4.1	6.3	24	60.6 JT	2.7	15	16	19
G447	LW2-G447	1.8 J	1.7 J	2.9	3.7	1.7 J	4.6 U	13	24.8 JT	3.3	15	21	30
G448	LW2-G448	2.8 J	3.8	3.7	6.4	4.2	5.9 U	34	54.9 JT	1.7 J	19	13	23
G449	LW2-G449	2.9 J	1.8 U	4.7	4.5	2.8 J	13 U	16	30.9 JT	1.9 J	12	13	20
G450-1	LW2-G450-1	5.8	7	5	12	8.7	10 U	48	86.5 T	6.8	37	32	53
G450-2	LW2-G450-2	6.6	5.7	4.7	10	8.1	16	44	95.1 T	5	29	24	40
G451	LW2-G451	2.9	4.5	19	3.6	2.6	8.9	15	56.5 T	4.8	22	35	39
G452	LW2-G452	2.2 J	1.3 J	3.2	4.2	1.8 J	10 U	13	25.7 JT	1.7 J	12	12	18
G453	LW2-G453	360	220	53 U	170	520	100	2000	3370 T	27	170	150	200
G454	LW2-G454	0.81 J	0.34 J	0.58 J	1.1 J	0.54 J	3.1 U	4.4	7.77 JT	1.4 J	3.8	4.2	5.4
G455	LW2-G455	12	14	4.1	18	22	8.5 U	93	163 T	12	53	53	85
G456	LW2-G456	59	130	10	180	120	35	910	1440 T	71	390	410	520
G457	LW2-G457	14	29	8.4	50	28	18	240	387 T	33	210	190	300
G458	LW2-G458	3.9	2.7 J	4.8	6.8	3.5	14	31	66.7 JT	4.7	25	32	41
G459	LW2-G459	1.4 J	2 J	2 J	4.3	1.7 J	3 U	18	29.4 JT	3.2	18	20	28
G460	LW2-G460	2.4 J	1.1 U	3.8	4.3	1.8 J	11 U	10	22.3 JT	1.7 J	9.8	12	16
G461	LW2-G461	2.5 J	1.4 J	2.2 J	3.4	1.9 J	6.7 U	15	26.4 JT	3	16	15	29
G462	LW2-G462	2.6 J	1.8 J	4.2	5.4	2.7 J	11 U	17	33.7 JT	2 J	13	13	21
G463	LW2-G463	0.82 J	1 J	2.4 J	3.5	1.2 J	2.5 U	13	21.9 JT	2 J	20	14	27
G464	LW2-G464	2.2 J	1.5 U	3.8	5.2	2.4 J	11 U	14	27.6 JT	2 J	15	14	21
G465	LW2-G465	0.72 J	0.48 J	0.7 J	0.7 J	0.51 J	2.4 U	3.4	6.51 JT	0.73 J	3.5	4.6	5.9
G466	LW2-G466	0.87 J	1.1 J	1.5 J	1.9 J	0.89 J	2.6 U	7.3	13.6 JT	1.2 J	7.7	8.3	9.2
G467	LW2-G467	64 J	470 J	64 J	890 J	960 J	17	5600	8070 JT	110	1600	790 J	1000
G468	LW2-G468	11	6.5	14	20	11	27	60	150 T	9.9	52	49	99
G469	LW2-G469	1.7 J	0.89 J	1.1 J	1.6 J	1.4 J	7.8 U	7.1	13.8 JT	1.3 J	7.2	6.4	11
G470	LW2-G470	1.2 J	1.2 J	1.2 J	1.8 J	0.89 J	4 U	8.3	14.6 JT	2.5 J	11	15	19
G471	LW2-G471	1.4 J	0.77 J	2 J	2 J	1.4 J	5.3 U	8.2	15.8 JT	0.84 J	5.4	5.8	9.3
G472	LW2-G472	1.1 J	13	3.6	22	1.4 J	3.8 U	17	58.1 JT	5.4	53	38	53
G473	LW2-G473	13	20	22	54	20	18	160	307 T	53	180	240	320
G474	LW2-G474	2.8 J	2.4 J	2.2 J	3.2	3.5	7.3 U	14	28.1 JT	2.3 J	11	12	18
G475-1	LW2-G475-1	2.5 J	1.3 J	31	27	3	6.2 U	84	149 JT	24	110	120	200
G475-2	LW2-G475-2	1.1 J	0.55 J	1.6 J	2.5 J	0.97 J	3.7 U	7.2	13.9 JT	1.2 J	17	8.6	17
G476	LW2-G476	1.3 J	2.4 J	1.4 J	1.8 J	1.2 J	3.6 U	8.4	16.5 JT	1.9 J	8	13	16
G477	LW2-G477	50	24	16	42	31	31	780	974 T	45	190	210	580
G478	LW2-G478	1 J	0.35 J	1.5 J	1 J	0.49 J	3.5 U	3.2	7.54 JT	0.68 J	4.4	5.3	7.3
G479	LW2-G479	1.7 J	2.2 J	2.3 J	4	2.6 J	5.4 U	13	25.8 JT	1.5 J	12	10	14
G480	LW2-G480	16	630	11	38	340	27	770	1830 T	11	67	69	86
G481	LW2-G481	0.98 J	0.64 J	0.84 J	1.1 J	0.58 J	2.6 U	3.8	7.94 JT	1.1 J	3.7	5.2	6.4
G482	LW2-G482	0.97 J	0.71 J	1.4 J	1.2 J	0.97 J	3.3 U	4.1	9.35 JT	0.62 U	3.4	4.2	4.8
G483	LW2-G483	1 J	0.43 J	1.1 J	1.1 J	0.74 J	3.5 U	5	9.37 JT	0.79 J	4.7	5.8	6.8
G484	LW2-G484	1.8 J	1.4 J	2.6 J	2.6 J	1.6 J	7.6	11	28.6 JT	2.4 J	16	18	24
G485	LW2-G485	3.1	7.3	2.2 J	5.8	10	4.6 U	57	85.4 JT	2.7	18	17	25
G486	LW2-G486	0.98 J	0.72 J	1.7 J	1.9 J	0.68 J	3.2 U	5.3	11.3 JT	1.4 J	12	14	16
G487	LW2-G487	1.4 J	1.6 J	4	12	2.2 J	2.2 U	25	46.2 JT	5.5	30	32	42
G488	LW2-G488	2.8 J	3	2.5 J	3.6	3.3	6.6 U	15	30.2 JT	1.9 J	10	12	14
G489	LW2-G489	1.8 J	1.3 J	2 J	2.4 J	1.4 J	4.8	10	23.7 JT	1.5 J	10	11	16
G490	LW2-G490	2.4 J	1.8 J	2.2 J	2.9 J	2.2 J	7.4	14	32.9 JT	2.3 J	11	13	20
G491	LW2-G491	27	76	5.9	25	52	21	240	447 T	10	72	69	100
G492-1	LW2-G492-1	2.05 JT	1.8 JT	3.8 T	7.05 T	2.35 T	5.5 UT	32 T	49.1 JT	6.15 T	25 T	38.5 T	47 T
G492-2	LW2-G492-2	2.7	2.9	4.2	7.5	3.5	7.4 U	45	65.8 T	6.8	32	43	55
G493	LW2-G493	2.4 J	1.4 J	2.7 J	3 J	1.7 J	8 U	12	23.2 JT	2.5 J	10	11	16
G494	LW2-G494	5.4	10	15	23	13	7.7	150	224 T	19	100	140	190
G495	LW2-G495	8.3	28	4.8	26	21	13	150	251 T	25	130	160	220
G496	LW2-G496	1.1 J	2 J	3.4	8.2	0.93 J	3.3 U	9.9	25.5 JT	2.9	21	24	25
G497	LW2-G497	15	36	12	52	36	23	310	484 T	85	260	360	510

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G421	LW2-G421	250				430	690	1100	450	1100	5720 T	6440 T
G422	LW2-G422	18				32	44	75	34	74	419 T	648 T
G423	LW2-G423	6.4				13	17	25	12	23	148 JT	170 JT
G424	LW2-G424	6.5				15	21	28	14	31	174 T	198 JT
G425	LW2-G425	7.4				16	18	52	12	52	211 T	251 JT
G426	LW2-G426	500				530	1900	4900	570	3400	15300 T	17000 T
G427	LW2-G427	11				22	28	38	22	37	240 T	314 T
G428	LW2-G428	7.2				14	14	18	15	16	137 T	151 JT
G429	LW2-G429	4.2				8.9	8.4	14	7.5	15	86.5 JT	98.9 JT
G430	LW2-G430	40				67	100	200	71	200	984 T	1150 JT
G431	LW2-G431	190				300	370	550	350	440	3600 T	4090 T
G432	LW2-G432	110				180	280	510	200	420	2550 T	3120 T
G433-1	LW2-G433-1	23				44	51	63	43	63	463 T	515 JT
G433-2	LW2-G433-2	30				59	61	83	59	72	584 T	650 JT
G434	LW2-G434	310				340	910	1300	430	1300	7200 T	8620 T
G435	LW2-G435	1.9 J				4.1	4.3	7.3	3.8	8.1	45.9 JT	57.8 JT
G436	LW2-G436	2.6				3.1	8.8	24	3.2	18	77.5 JT	96.8 JT
G437	LW2-G437	25				43	64	100	40	100	553 T	665 T
G438	LW2-G438	14				40	40	110	35	140	505 T	711 T
G439	LW2-G439	59				88	170	280	91	230	1320 T	1520 T
G440	LW2-G440	5.4				11	17	23	9.4	25	136 JT	160 JT
G441	LW2-G441	20				24	69	200	23	150	640 T	746 T
G442	LW2-G442	12				30	28	36	26	43	267 T	302 JT
G443	LW2-G443	3.9				7.4	11	15	6.7	18	91.2 JT	108 JT
G444	LW2-G444	17				35	55	64	31	62	383 T	428 T
G445	LW2-G445	140				220	340	850	240	980	3810 T	5430 T
G446	LW2-G446	7.7				14	17	23	13	26	153 T	214 JT
G447	LW2-G447	9.9				19	27	33	15	36	209 T	234 JT
G448	LW2-G448	7.3				9.7	29	51	8.6	43	205 JT	260 JT
G449	LW2-G449	6.4				14	14	27	10	32	150 JT	181 JT
G450-1	LW2-G450-1	17				40	63	95	32	86	462 T	548 T
G450-2	LW2-G450-2	13				31	50	75	24	70	361 T	456 T
G451	LW2-G451	12				30	28	30	24	35	260 T	316 T
G452	LW2-G452	5.9				11	18	23	9.7	29	140 JT	166 JT
G453	LW2-G453	51				140	200	530	120	680	2270 T	5640 T
G454	LW2-G454	1.7				4.9	3.6	7.3	3.7	8.9	44.9 JT	52.7 JT
G455	LW2-G455	26				57	54	150	50	150	690 T	853 T
G456	LW2-G456	170				270	410	1100	320	820	4480 T	5930 T
G457	LW2-G457	110				130	320	510	140	390	2330 T	2720 T
G458	LW2-G458	13				30	31	68	26	70	341 T	407 JT
G459	LW2-G459	8.5				17	24	40	15	39	213 T	242 JT
G460	LW2-G460	5.1				11	16	19	8.7	23	122 JT	145 JT
G461	LW2-G461	8.9				14	30	41	13	39	209 T	235 JT
G462	LW2-G462	6.7				14	23	31	11	34	169 JT	202 JT
G463	LW2-G463	8				9.2	33	100	9.2	78	300 JT	322 JT
G464	LW2-G464	7.2				13	22	30	10	33	167 JT	195 JT
G465	LW2-G465	1.7 J				4.4	3.4	7.3	4.1	6.7	42.3 JT	48.8 JT
G466	LW2-G466	2.9				5.7	9.9	14	4.6	17	80.5 JT	94.1 JT
G467	LW2-G467	400 J				320 J	1500	6100	390 J	4800	17000 JT	25100 JT
G468	LW2-G468	31				42	110	130	42	110	675 T	824 T
G469	LW2-G469	2.9 J				6.1	11	16	5.3	14	81.2 JT	95 JT
G470	LW2-G470	5.8				12	16	20	12	22	135 JT	150 JT
G471	LW2-G471	2.2 J				5.4	6.7	17	3.7	15	71.3 JT	87.1 JT
G472	LW2-G472	18				21	65	75	19	79	426 T	485 JT
G473	LW2-G473	100				270	330	450	180	410	2530 T	2840 T
G474	LW2-G474	5.4				12	18	24	9.8	24	137 JT	165 JT
G475-1	LW2-G475-1	68				100	150	240	120	170	1300 T	1450 JT
G475-2	LW2-G475-2	5.5				5.9	26	69	5.8	50	206 JT	220 JT
G476	LW2-G476	4.6				10	12	18	9.7	18	111 JT	128 JT
G477	LW2-G477	140				180	480	930	180	750	3690 T	4660 T
G478	LW2-G478	2.2 J				5	5.8	9	4.1	10	53.8 JT	61.3 JT
G479	LW2-G479	4.3				8	14	32	7.3	30	133 JT	159 JT
G480	LW2-G480	28				70	85	290	61	240	1010 T	2840 T
G481	LW2-G481	2.1 J				5.1	4.8	7.2	4.4	8	48 JT	55.9 JT
G482	LW2-G482	1.7 J				3.5	3	8.3	3.1	8.2	40.2 JT	49.6 JT
G483	LW2-G483	2.1 J				4.5	5.9	10	3.3	9.7	53.6 JT	63 JT
G484	LW2-G484	8				14	22	28	11	31	174 JT	203 JT
G485	LW2-G485	8.1				13	27	74	12	60	257 T	342 JT
G486	LW2-G486	5.6				8.5	13	18	8.4	19	116 JT	127 JT
G487	LW2-G487	13				28	52	65	21	81	370 T	416 JT
G488	LW2-G488	4.4				10	15	25	9.1	26	127 JT	158 JT
G489	LW2-G489	4.3				11	12	20	8.2	22	116 JT	140 JT
G490	LW2-G490	5.8				16	11	25	11	26	141 JT	174 JT
G491	LW2-G491	35				47	92	260	51	180	916 T	1360 T
G492-1	LW2-G492-1	15.5 T				39.5 T	43 T	70.5 T	36 T	72 T	393 T	442 JT
G492-2	LW2-G492-2	18				44	57	110	40	110	516 T	582 T
G493	LW2-G493	4.1				13	17	23	8.7	24	129 JT	153 JT
G494	LW2-G494	51				150	170	370	140	380	1710 T	1930 T
G495	LW2-G495	70				110	200	380	130	280	1710 T	1960 T
G496	LW2-G496	8.2				14	24	25	12	30	186 T	212 JT
G497	LW2-G497	160				460	360	800	420	570	3990 T	4470 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
G498	LW2-G498	4.8	28	3.6	34	18	12	180	280 T	41	180	240	310
G499	LW2-G499	2.3 J	2.8 J	5.6	9.4	3.1	7	22	52.2 JT	5.1	25	32	41
G500	LW2-G500	20	45	35	120	32	45	660	957 T	85	450	610	650
G501	LW2-G501	3.4	2.6 J	3.3	4.1	2.3 J	9.1	18	42.8 JT	2.5 J	13	15	23
G502	LW2-G502	1.3 J	0.34 J	1.4 J	1.3 J	0.44 J	2.3 U	2.9	7.68 JT	2.4 J	3.9	7.2	8.3
G503	LW2-G503	1.6 J	5.8	4.7	16 J	8.1	4	53 J	93.2 JT	6.8 J	61 J	49 J	78 J
G504	LW2-G504	2.7 J	1.4 J	2.8 J	3.6 J	2 J	5.1 UJ	15 J	27.5 JT	4.5 J	26 J	29 J	38 J
G505	LW2-G505	4.8	3.2	7.1	10	3.8	9.7	36	74.6 T	18	44	50	74
G506	LW2-G506	7.5	18	12	15	8.2	26	81	168 T	8.6	49	66	74
G507	LW2-G507	3.4 U	1.1 J	3 J	3.2 J	1.5 J	11 U	11	19.8 JT	2.5 J	11	14	17
G508	LW2-G508	8.1	65	15	21	8.4	3.1 U	34	152 T	230	620	810	910
G509	LW2-G509	5.6 U	2.2 J	7.2	8.6	4.7 J	18 U	25	47.7 JT	3.8 J	22	24	38
G510	LW2-G510	1.8 J	2.2 J	5.4	6.2	3 J	5.2 U	18	36.6 JT	3.4	16	17	27
G511	LW2-G511	1.8 J	1.5 J	2.5	2.7	1.6 J	3.7 U	11	21.1 JT	1.8 J	11	12	18
G512	LW2-G512	1.3 J	1.4 J	2.2 J	2.8	1.3 J	4.6 U	12	21 JT	1.8 J	9.3	11	14
G513	LW2-G513	2.8	2.1 J	4.5	4.7	2 J	5.2	15	36.3 JT	6.9	24	39	54
G514	LW2-G514	1.2 J	1.4 J	3.4 J	4.3 J	1.4 J	4.2 UJ	9.5 J	21.2 JT	2.2 J	11 J	14 J	18 J
G515	LW2-G515	2.3 J	1.8 J	4.6	4.7	2.4 J	7.1	15	37.9 JT	3.6	15	21	26
G516	LW2-G516	3.2	4.9	8.7	43	20	4.1 U	99	179 T	22	220	120	340
G517	LW2-G517	3	8.3	6.3	11	6.4	5.5	49	89.5 T	6.2	35	37	59
G518	LW2-G518	180	420	29	120	400	260	960	2370 T	20	130	110	150
G519-1	LW2-G519-1	6.5	8.3	9.8	20	5.3	15 U	45	94.9 T	18	74	120	120
G519-2	LW2-G519-2	29	86	18	57	53	42	230	515 T	36	210	210	310
G520	LW2-G520	14	22	23	50	17	42	130	298 T	37	180	310	300
G521	LW2-G521	190	1100	550	700	520	520	5700	9280 T	410	2800	4600	3900
BT001	LW2-GBT001	1 J	2.8	3.4	5	2 J	0.62 U	18	32.2 JT	4.7	25	40	30
BT002	LW2-GBT002	5.4	6.2	21	17	5.9	16	50	122 T	34	160	280	210
BT003	LW2-GBT003	8.3	24	37	50	17	18	150	304 T	38	220	410	230
BT004	LW2-GBT004	1.5 J	15	5.5	39	12	0.47 U	37	110 JT	24	370 J	270 J	310 J
BT005	LW2-GBT005	2.8	3.3	1.8 J	11	2.2 J	6.8	17	44.9 JT	3.6	23	29	33
BT0061	LW2-GBT006-1	3.8	3.8	0.8 J	9.3	4	7.4	31	60.1 JT	5.4	28	37	36
BT0062	LW2-GBT006-2	1.6 JT	2.75 T	1.25 JT	7.55 T	2.75 T	0.54 UT	25 T	40.9 JT	5.9 T	30.5 T	39 T	38.5 T
BT007	LW2-GBT007	1.4 J	1.5 J	1.3 J	6.8	1.9	0.5 U	13	25.9 JT	1.4 J	13	17	15
BT008	LW2-GBT008	12	70	6.2	110	41	21	430	690 T	140	860	1100	1000
BT009	LW2-GBT009	66	41	92	130	52	170	390	941 T	250	1100	1700	1200
BT010	LW2-GBT010	74	29	2.1	33	25	140	140	443 T	28	110	150	150
BT011	LW2-GBT011	9.5	16	12	50	15	23	130	256 T	22	140	190	170
BT012	LW2-GBT012	56	220	88	150	150	200	1500	2360 T	130	1000	1200	750
BT013	LW2-GBT013	17	34	9.5	29	32	42	120	284 T	13	78 J	120 J	90 J
BT014	LW2-GBT014	100	360	180	860	250	340	2500	4590 T	300	2400	3300	1900
BT015	LW2-GBT015	190	410	160	700	220	540	1700	3920 T	190	1500	2100	1200
BT016	LW2-GBT016	5.7	4.8	3.9	10	6	11	27	68.4 T	8.3	35	48	46
BT017	LW2-GBT017	93	370	31	150	180	220	400	1440 T	56	340	480	350
BT018	LW2-GBT018	4.8	200	10	79	150	16	250	710 T	30	180	190	160
BT019	LW2-GBT019	1.8 J	2.2 J	3.1	8.1	3.6	6.5 U	49	67.8 JT	5.8	47	40	59
BT020	LW2-GBT020	1.8 J	2.2 J	4	8.8	2.2 J	6.1	28	53.1 JT	2.9	28	26	24
BT021	LW2-GBT021	5.6	4.5	3.1	9.1	5.4	8.7	29	65.4 T	5.2	33	36	34
BT022	LW2-GBT022	1.8 U	1.5 J	1.6 J	3.1 J	1.9 J	1.2 UJ	14	22.1 JT	2 J	17	19	22
BT023	LW2-GBT023	3 J	10	3.1 J	16	9.9	0.99 U	78	120 JT	15	71	85	78
BT024	LW2-GBT024	2.3 J	4.9	2.3	4.6	5.1	5.7	22	46.9 JT	2.1 J	19	23	20
BT025	LW2-GBT025	3.7	6.3	3.3	7	4.7	7.9	28	60.9 T	2.2 J	29	26	27
BT026	LW2-GBT026	5.5	10	9.9	24	10	11	150	220 T	24	170	180	210
BT0271	LW2-GBT027-1	1.9 J	2 J	3.7	3.4	2.5	0.67 UJ	14	27.5 JT	4.1	22	31	29
BT0272	LW2-GBT027-2	4.3 T	2.3 JT	1.9 JT	4.95 T	3.25 T	0.7 UJT	24 T	40.7 JT	2.8 T	18 T	23.5 T	23 T
BT028	LW2-GBT028	12	18	3.7	23	27	0.95 UJ	100	184 T	9	77	71	75
BT029	LW2-GBT029	2.8	1.7 J	3.5	4.6	2.9	6.2	23	44.7 JT	3.5	20	26	26
BT030	LW2-GBT030	18	21	11	22	24	40	110	246 T	3.7	44	34	31
BT031	LW2-GBT031	0.96 J	1.4 J	1.1 J	2.8	1.3 U	3.1	13	22.4 JT	1.5 J	13	16	15
BT032	LW2-GBT032	15	3.6 J	9.1	14	6.2 J	0.65 UJ	71 J	119 JT	7.7	58	88	74
BT033	LW2-GBT033	1.8 J	3.2	1.4 J	15	2.8 J	0.83 U	18	42.2 JT	4.5	27	28	31
U1C-1	LW2-U1C-1	0.85 U	0.49 U	0.6 U	1.4 U	0.8 U	2 U	1.2 U	2 UT	0.58 J	2.2 U	1.8 U	3.1 U
U1C-2	LW2-U1C-2	0.63 U	0.26 U	0.63 U	0.35 U	0.3 U	1.7 U	0.88 U	1.7 UT	0.41 U	1.7 J	0.35 U	1.2 U
U1C-3	LW2-U1C-3	0.63 U	0.24 U	0.78 U	0.36 U	0.28 U	2 U	0.93 U	2 UT	0.39 U	0.79 U	0.33 U	0.71 U
U2C-1	LW2-U2C-1	1.2 U	0.86 U	1.7 U	1.6 U	1.2 U	4.4 U	19	19 T	1.2 J	7.7	9.7	12
U2C-2	LW2-U2C-2	1.6 U	1.2 U	1.9 U	2.3 U	1.3 U	4.2 U	7.8	7.8 T	2.2 J	20	18	25
U2C-3	LW2-U2C-3	0.64 U	0.37 U	0.66 U	0.59 U	0.3 U	1.9 U	1.4 U	1.9 UT	0.41 U	2 U	2 U	2.9 U
U3C-1	LW2-U3C-1	0.64 U	0.29 U	0.82 U	0.55 U	0.42 U	2.4 U	2 U	2.4 UT	0.46 U	2.1 U	2 U	2.6 U
U3C-2	LW2-U3C-2	1 U	0.28 U	0.93 U	0.83 U	0.33 U	3.7 U	2.5 U	3.7 UT	0.49 J	2.6 U	2.6 U	4.3 U
U3C-3	LW2-U3C-3	1.1 U	0.38 U	1.6 U	1.4 U	0.56 U	5.2 U	4.4	4.4 T	0.58 J	3.3 U	5.2	6.5
U4Q-1	LW2-U4Q-1	4.2 U	0.72 J	3.2 J	2.2 J	1.5 J	13 U	9	16.6 JT	1.7 J	7.8	9.1	12
U4Q-2	LW2-U4Q-2	1.4 U	0.94 U	1.5 U	2.1 U	1 U	3.8 U	7.3	7.3 T	1.6 J	11	12	16
U4Q-3	LW2-U4Q-3	1.1 U	0.33 U	1.2 U	0.93 U	0.54 U	3.3 U	3 U	3.3 UT	0.92 J	6	6.7	7.9
U5Q-1	LW2-U5Q-1	0.77 U	0.24 U	0.54 U	0.36 U	0.28 U	1.5 U	0.59 U	1.5 UT	0.38 U	0.24 U	0.94 U	0.7 U
U5Q-2	LW2-U5Q-2	0.74 U	0.24 U	0.85 U	0.84 U	0.33 U	2.3 U	1.4 U	2.3 UT	0.38 U	3.4 U	1.5 U	2.9 U
U5Q-3	LW2-U5Q-3	0.76 U	0.24 U	0.33 U	0.33 U	0.28 U	1.9 U	0.91 J	0.91 JT	0.39 U	0.79 U	0.33 U	0.71 U
U6TOC-1	LW2-U6TOC-1	1.4 U	0.41 U	1.8 U	0.89 U	0.88 U	5.9 U	3.7 U	5.9 UT	0.63 J	3 U	3.7 U	4.8 U
U6TOC-2	LW2-U6TOC-2	1.9 U	0.73 U	2.9 U	1.7 U	1.1 U	9.7 U	6.6	6.6 T	1.2 J	6.4	7	11 U
U6TOC-3	LW2-U6TOC-3	3.2 U	0.57 J	2.6 J	1.4 J	1 J	13 U	5.1	10.7 JT	1.1 J	4.7 U	6.2	7.5
02R001	LWG0102R001SDS015C00	20 U	42 J	26	45	60	38	260	471 JT	22 T	130 T	160 T	180 T
02R015	LWG0102R015SDS015C00	58 U	58 U	58 U	58 U	58 U	58 U	190	190 T	60 JT	150 T	220 T	200 T
03B030	LWG0103B030SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 UT	6.2 JT	7.9 JT	10 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G498	LW2-G498	99				190	210	350	200	290	2110 T	2390 T
G499	LW2-G499	13				25	62	40	25	45	313 T	365 JT
G500	LW2-G500	200				450	680	1000	480	1200	5810 T	6760 T
G501	LW2-G501	7.5				16	18	41	12	40	188 JT	231 JT
G502	LW2-G502	3				15	9.7	6.4	10	6.7	72.6 JT	80.3 JT
G503	LW2-G503	27 J				34 J	81 J	150 J	37 J	140 J	664 JT	757 JT
G504	LW2-G504	12 J				20 J	32 J	42 J	18 J	44 J	266 JT	293 JT
G505	LW2-G505	20				90	40	92	70	69	567 T	642 T
G506	LW2-G506	21				64	65	130	56	140	674 T	841 T
G507	LW2-G507	5.7				13	15	22	12	22	134 JT	154 JT
G508	LW2-G508	370				580	810	400	820	350	5900 T	6050 T
G509	LW2-G509	12				22	31	42	20	39	254 JT	302 JT
G510	LW2-G510	8				24	27	39	18	41	220 T	257 JT
G511	LW2-G511	5.5				11	12	24	8.8	23	127 JT	148 JT
G512	LW2-G512	3				9.7	9.3	22	8.7	20	109 JT	130 JT
G513	LW2-G513	18				34	26	33	33	36	304 T	340 JT
G514	LW2-G514	6.5 J				14 J	13 J	22 J	12 J	23 J	136 JT	157 JT
G515	LW2-G515	7.1				19	20	34	15	40	201 T	239 JT
G516	LW2-G516	94				66	340	500	64	350	2120 T	2290 T
G517	LW2-G517	19				32	65	100	31	88	472 T	562 T
G518	LW2-G518	42				90	120	710	93	460	1930 T	4290 T
G519-1	LW2-G519-1	40				91	91	110	97	110	871 T	966 T
G519-2	LW2-G519-2	100				170	240	430	170	390	2270 T	2780 T
G520	LW2-G520	100				300	230	340	270	380	2450 T	2750 T
G521	LW2-G521	1200				4200	3200	7600	3700	9800	41400 T	50700 T
BT001	LW2-GBT001	23				38	35	32	34	49	311 T	343 JT
BT002	LW2-GBT002	160				270	240	190 J	240	260	2040 JT	2170 JT
BT003	LW2-GBT003	200				310	270	290	310	390	2670 T	2970 T
BT004	LW2-GBT004	250 J				92	620 J	150	140	250 J	2480 JT	2590 JT
BT005	LW2-GBT005	22				28	46	37	25	56	303 T	348 JT
BT0061	LW2-GBT006-1	26				34	38	46	33	58	341 T	402 JT
BT0062	LW2-GBT006-2	30.5 T				39 T	46 T	57 T	36 T	78.5 T	401 T	442 JT
BT007	LW2-GBT007	11				13	22	28	13	34	167 JT	193 JT
BT008	LW2-GBT008	710				690	1000	1300	870	1200	8870 T	9560 T
BT009	LW2-GBT009	1100				1200	1500	1800	1300	2100	13300 T	14200 T
BT010	LW2-GBT010	87				120	180	200	120	210	1360 T	1800 T
BT011	LW2-GBT011	130				160	230	380	160	410	1990 T	2250 T
BT012	LW2-GBT012	660				1300	790	1800	1100	2100	10800 T	13200 T
BT013	LW2-GBT013	65 J				92	120 J	200 J	96	220 J	1090 JT	1380 JT
BT014	LW2-GBT014	1600				2800	2100	4600	2500	4900	26400 T	31000 T
BT015	LW2-GBT015	1000				1700	1600	2700	1500	3400	16900 T	20800 T
BT016	LW2-GBT016	37				43	51	65	43	76	452 T	521 T
BT017	LW2-GBT017	280				350	430	690	380	900	4260 T	5700 T
BT018	LW2-GBT018	120				160	250	590	140	610	2430 T	3140 T
BT019	LW2-GBT019	47				25	110	180	26	160	700 T	768 JT
BT020	LW2-GBT020	20				17	38	62	17	71	306 T	359 JT
BT021	LW2-GBT021	28				26	47	61	30	66	366 T	432 T
BT022	LW2-GBT022	15				14	28	35	16	32	200 JT	222 JT
BT023	LW2-GBT023	66				65	88	140	66	150	824 T	944 JT
BT024	LW2-GBT024	15				16	24	44	17	48	228 JT	275 JT
BT025	LW2-GBT025	24				16	54	50	18	54	300 JT	361 JT
BT026	LW2-GBT026	170				130	290	330	150	340	1990 T	2210 T
BT0271	LW2-GBT027-1	21				27	29	32	25	46	266 T	294 JT
BT0272	LW2-GBT027-2	19 T				19.5 T	30 T	49 T	20 T	50 T	255 T	296 JT
BT028	LW2-GBT028	60				54	100	160	58	170	834 T	1020 T
BT029	LW2-GBT029	20				24	32	47	22	57	278 T	322 JT
BT030	LW2-GBT030	29				29	62	160	28	140	561 T	807 T
BT031	LW2-GBT031	11				10	17	27	12	25	148 JT	170 JT
BT032	LW2-GBT032	55				83	94	150	78	200	888 T	1010 JT
BT033	LW2-GBT033	21				22	54	41	19	48	296 T	338 JT
U1C-1	LW2-U1C-1	0.52 U				2.2 U	1.9 U	6.7	1.3 U	6.4	13.7 JT	13.7 JT
U1C-2	LW2-U1C-2	0.52 U				0.89 U	0.65 U	1.8 U	0.93 U	1.9 U	1.7 JT	1.7 JT
U1C-3	LW2-U1C-3	0.49 U				0.65 U	0.62 U	1.3 U	0.55 U	1.4 U	1.4 UT	2 UT
U2C-1	LW2-U2C-1	3.9				11	12	33	8.6	29	128 JT	147 JT
U2C-2	LW2-U2C-2	9.1				11	23	27	9.7	28	173 JT	181 JT
U2C-3	LW2-U2C-3	0.87 U				2 U	3.4 U	4.4 U	1.2 U	4.9 U	4.9 UT	4.9 UT
U3C-1	LW2-U3C-1	0.74 U				1.7 U	1.9 U	4 U	1.3 U	4.6 U	4.6 UT	4.6 UT
U3C-2	LW2-U3C-2	1.1 U				2.9 U	3.7 U	5.6 U	2.4 U	5.9	6.39 JT	6.39 JT
U3C-3	LW2-U3C-3	2.1 U				4.9	4.6 U	8.6	3.6	9.8	39.2 JT	43.6 JT
U4Q-1	LW2-U4Q-1	4.1 J				8.5	11	18	7.8	17	97 JT	114 JT
U4Q-2	LW2-U4Q-2	5.2				7.5	13	18	6.4	17	108 JT	115 JT
U4Q-3	LW2-U4Q-3	2.3 U				4.8	7	8.6	4.1	9.5	55.5 JT	55.5 JT
U5Q-1	LW2-U5Q-1	0.48 U				1 U	0.6 U	0.77 U	0.67 U	0.77 U	1 UT	1.5 UT
U5Q-2	LW2-U5Q-2	0.74 U				0.69 U	2.8 U	2.5 U	0.64 U	2.4 U	3.4 UT	3.4 UT
U5Q-3	LW2-U5Q-3	0.49 U				0.45 U	1 U	0.96 U	0.36 U	1.1 U	1.1 UT	0.91 JT
U6TOC-1	LW2-U6TOC-1	1.2 U				3.8 U	3.3 U	6.4	2.7 U	7.5	14.5 JT	14.5 JT
U6TOC-2	LW2-U6TOC-2	3.5 U				6.5	9.7 U	13	5.1	15	54.2 JT	60.8 JT
U6TOC-3	LW2-U6TOC-3	2.6 J				5.5	6.3	9.2	5.2	9.3	52.9 JT	63.6 JT
02R001	LWG0102R001SDS015C00	170 T				86 T	250 T	550 J	96 T	430	2070 JT	2550 JT
02R015	LWG0102R015SDS015C00	180 T				100 T	240 T	330	220 T	380	2080 JT	2270 JT
03B030	LWG0103B030SDS015C00	11 JT				23 JT	9.1 JT	19 U	16 JT	19 U	83.2 JT	83.2 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID												
03B031	LWG0103B031SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	26	26 T	12 JT	38 T	53 T	35 T
03B033	LWG0103B033SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 UT	5.2 T	5.2 T	5.2 T
03R001	LWG0103R001SDS015C00	59 U	59 U	59 U	59 U	59 U	59 U	70	70 T	19 JT	200 T	76 T	140 T
03R002	LWG0103R002SDS015C00	200	58 U	58 U	58 U	58 U	210	240	650 T	60 JT	160 T	280 T	230 T
03R003	LWG0103R003SDS015C10	58 U	58 U	58 U	58 U	58 U	58 U	82	82 T	25 JT	72 T	110 T	110 T
03R003	LWG0103R003SDS015C20	19 U	19 U	22	46	19 U	19 U	180	248 T	30 JT	110 T	130 T	120 T
03R003	LWG0103R003SDS015C31	19 UT	19 UT	19 UT	19 UT	19 UT	19 UT	65.5 T	65.5 T	17.5 JT	53 T	71.5 T	68.5 T
03R004	LWG0103R004SDS015C11	19 UT	36 T	19 UT	47.5 T	23.5 T	19 UT	160 T	267 T	40 JT	130 T	140 JT	180 JT
03R004	LWG0103R004SDS015C20	20 U	20 U	20 U	42	20 U	20 U	110	152 T	25 JT	78 T	89 T	120 T
03R004	LWG0103R004SDS015C30	20 U	20 U	20 U	22	20 U	20 U	69	91 T	14 JT	60 T	79 T	100 T
03R005	LWG0103R005SDS015C00	120 U	360 J	120 U	4200	830	120 U	6900	12300 JT	400 T	6000 T	3800 T	5900 T
03R032	LWG0103R032SDS015C00	26	48	32	54	48	75	250	533 T	44 JT	130 T	190 T	140 T
03R034	LWG0103R034SDS015C00	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 UT	2.3 T	7.4 T	8.6 T	8.4 T
03R040	LWG0103R040SDS015C00	190	200	170	250	170	360	1100	2440 T	85 T	840 T	1200 T	960 T
03R041	LWG0103R041SDS015C00	20 U	40	20	34	21	22	100	237 T	21 JT	94 T	130 T	150 T
04B023	LWG0104B023SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	33	33 T	14 JT	26 T	42 T	33 T
04B024	LWG0104B024SDS015C00	19 U	19 U	51	46	19 U	25	320	442 T	23 T	130 T	360 T	300 T
04R002	LWG0104R002SDS015C00	540	5700	110 U	5000	2200	1000	20000	34400 T	3700 J	30000 T	37000 T	34000 T
04R003	LWG0104R003SDS015C00	36	150 J	51	220	110	72	820	1460 JT	210 T	840 T	1300 T	1500 T
04R004	LWG0104R004SDS015C00	35	47 J	64	75	56	120	370	767 JT	21 T	190 T	260 T	270 T
05B018	LWG0105B018SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	49	49 T	26 JT	72 T	86 T	100 T
05B019	LWG0105B019SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 UT	6.4 T	4.2 T	7.3 T
05R001	LWG0105R001SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	7.1 JT	24 T	34 T	39 T
05R003	LWG0105R003SDS015C00	97	250 J	71	400	250	200	1300	2570 JT	210 T	1300 T	1400 T	1500 T
05R020	LWG0105R020SDS015C00	32	690	210	990	610	66	7800	10400 T	37 JT	1400 T	950 JT	830 T
05R040	LWG0105R040SDS015C00	1400	17000	5600	25000	8100	1400	58000	117000 T	2600 T	24000 T	30000 T	24000 T
05R041	LWG0105R041SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	26 JT	100 T	140 T	120 T
06B022	LWG0106B022SDS015C00	19 U	19 U	19 U	19 U	19 U	41	51	92 T	1.9 UT	4.8 T	4.4 T	5.6 T
06B025	LWG0106B025SDS015C00	2200	3600	5000	8000	3600	7000	47000	76400 T	9500 JT	29000 T	41000 T	31000 T
06B026	LWG0106B026SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	3.8 UT	7.9 T	6.4 T	10 T
06B029	LWG0106B029SDS015C00	19 U	19 U	71	33	19 U	23	51	178 T	59 T	140 T	320 T	250 T
06B030	LWG0106B030SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	57	57 T	5 JT	45 T	66 T	81 T
06R001	LWG0106R001SDS015C00	110	280 J	39	240	160	96	1000	1930 JT	300 JT	1400 T	1900 T	2400 T
06R002	LWG0106R002SDS015C10	33	33 J	27 J	50	41	150	150	484 JT	32 JT	97 T	120 T	150 T
06R002	LWG0106R002SDS015C20	40	48 J	64	80	60	160	330	782 JT	30 T	230 T	250 T	360 T
06R002	LWG0106R002SDS015C31	38 T	31 JT	42 T	72 T	43 T	230 T	235 T	691 JT	26.5 T	285 T	290 T	325 T
06R004	LWG0106R004SDS015C00	52	170 J	170	230	110	120	810	1660 JT	250 T	1200 T	1800 T	1900 T
06R031	LWG0106R031SDS015C00	2000	3400	74	1500	3200	4700	6600	21500 T	45 JT	890 T	280 JT	550 JT
06R040	LWG0106R040SDS015C00	720	570	2000	2100	1000	3000	13000	22400 T	880 T	6500 T	9500 T	9100 T
07B022	LWG0107B022SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	4 UT	7.5 T	7.1 T	6.3 T
07B023	LWG0107B023SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	2.5 JT	14 T	15 T	12 T
07B024	LWG0107B024SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	35	35 T	9.5 UT	45 T	53 T	62 T
07R003	LWG0107R003SDS015C00	19 U	19 UJ	19 U	21	19 U	19 U	97	118 T	5.8 UT	68 T	68 T	120 T
07R004	LWG0107R004SDS015C00	86	130 J	1400	770	280	150	2400	5220 JT	860 T	2700 T	3900 T	4100 T
07R006	LWG0107R006SDS015C00	19 U	19 UJ	28	120	21	22	300	491 T	560 T	930 T	1100 T	3200 T
07R030	LWG0107R030SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	32	32 T	11 JT	43 T	30 T	33 T
07R040	LWG0107R040SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	34	34 T	7.2 UT	26 T	22 T	28 T
08B032	LWG0108B032SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 JT	13 T	16 T	14 T
08R001	LWG0108R001SDS015C00	59 U	59 UJ	59 U	85	59 U	10 UJT	290	375 T	28 JT	190 T	140 T	370 T
08R002	LWG0108R002SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	38	38 T	5.8 UT	21 T	23 T	22 T
08R003	LWG0108R003SDS015C00	20 U	20 UJ	20 U	26	20 U	20 U	100	126 T	25 JT	91 T	90 T	120 T
08R040	LWG0108R040SDS015C00	35	72	87	190	130	66	570	1150 T	54 T	450 T	390 T	1100 T
08R041	LWG0108R041SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	32	32 T	5.9 UT	42 T	30 T	48 T
09B024	LWG0109B024SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	32	32 T	2.5 JT	18 T	14 T	9.7 T
09B026	LWG0109B026SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 UT	1.9 UT	1.9 UT	2.1 T
09B027	LWG0109B027SDS015C10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	2 UT	9.8 T	9 T	10 T
09B027	LWG0109B027SDS015C20	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	1.9 UT	5.2 T	4.8 T	6 T
09B027	LWG0109B027SDS015C31	19 UT	19 UT	19 UT	19 UT	19 UT	19 UT	19 UT	19 UT	1.9 UT	8.05 T	7.05 T	10.4 T
09B028	LWG0109B028SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	3.8 UT	5.3 T	4.6 T	5 T
09R001	LWG0109R001SDS015C10	110	100	290	430	300	230	1500	2960 T	150 JT	650 T	540 T	500 T
09R001	LWG0109R001SDS015C20	20 U	20 U	30	43	22	26	190	311 T	9.9 UT	130 T	170 T	200 T
09R001	LWG0109R001SDS015C31	78 UT	78 UT	130 T	185 T	85 T	78 UT	680 T	1080 T	127 T	1010 T	1040 T	1020 T
09R002	LWG0109R002SDS015C00	77 U	77 U	77 U	77 U	77 U	77 U	380	380 T	130 JT	300 T	350 T	440 T
09R040	LWG0109R040SDS015C00	20 U	20 U	20 U	20 U	20 U	20 U	73	73 T	5.9 UT	44 T	36 T	64 T
09R041	LWG0109R041SDS015C00	19 U	19 U	19 U	19 U	19 U	19 U	29	29 T	1.9 UT	22 T	20 T	30 T
AP02APG	LWG2-PG-AP2A	2	1.8	4.7	140	8.9	0.5 U	140	297 T	190	1100	1100	1400
AP02DPG	LWG2-PG-AP2D	8.3	18	6.1	31	26	16	81	186 T	21	150	140	150
AP04CPG	LWG2-PG-AP4C	3.9	4.1	4.3	28	7.4	0.75 U	60	108 T	42	170	250	360
AP04CPG2	LWG2-PG-AP4C-2	3.3	6.2	5.1	26	6.1	0.73 U	61	108 T	60	260	350	490
AR02APG	LWG2-PG-AR2A	11	44	11	28	18	25	170	307 T	15	86	130	90
CP07APG	LWG2-PG-CP7A	1.7 J	2.5	4	7.6	1.6 J	0.63 U	26	43.4 JT	14	59	100	110
CP07DPG	LWG2-PG-CP7D	2.7 J	6.1	1.6 J	2.7 J	4.1	1.9 U	15	32.2 JT	1.3 J	8.8	11	11
CP09APG	LWG2-PG-CP9A	13	11	5.8	21	12	17	63	143 T	9	55	68	57
CP09DPG	LWG2-PG-CP9D	1.2 J	2.1 J	1.5 J	3.8	1.8 J	0.85 U	18	28.4 JT	1.4 J	15	13	15
EM02APG	LWG2-PG-EM2A	0.73 J	1.3 J	0.89 J	4.3	0.88 J	0.56 U	10	18.1 JT	0.62 J	6.6	9.1	7.4
EM03APG	LWG2-PG-EM3A	1.6 J	2.4	1.8	8.6	2	0.48 U	15	31.4 JT	1.6 J	14	18	15
GN01EPG	LWG2-PG-GN1E	18	14	12	13	10	39	64	170 T	2.4	19	27	20
GN02EPG	LWG2-PG-GN2E	12	8.3	9.9	14	11	23	56	134 T	2.4	24	26	20
GN05APG	LWG2-PG-GN5A	12	24	7.8	18	33	8.7	120	224 T	7.5	47	47	53
GN05APG2	LWG2-PG-GN5A-2	9.9	14	9	31	19	15	150	250 T	14	110	110	110
GS04APG	LWG2-PG-GS4A	22000	59000	5400	37000	30000	15000	180000	348000 T	6100	52000	85000	48000

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
03B031	LWG0103B031SD3015C00	43 T				48 T	51 T	56	47 T	83	466 JT	492 JT
03B033	LWG0103B033SD3015C00	5 T				8.9 T	8.7 T	19 U	6.4 T	19 U	44.6 T	44.6 T
03R001	LWG0103R001SD3015C00	150 T				48 T	290 T	690	150 T	600	2360 JT	2430 JT
03R002	LWG0103R002SD3015C00	200 T				120 T	230 T	320	250 T	440	2290 JT	2940 JT
03R003	LWG0103R003SD3015C10	96 T				65 T	150 T	180	170 T	250	1230 JT	1310 JT
03R003	LWG0103R003SD3015C20	110 T				55 T	160 T	240	95 T	350	1400 JT	1650 JT
03R003	LWG0103R003SD3015C31	65 T				34 T	88.5 T	130 T	79 T	190 T	797 JT	863 JT
03R004	LWG0103R004SD3015C11	185 JT				30.5 JT	160 T	265 T	38.5 JT	270 T	1440 JT	1710 JT
03R004	LWG0103R004SD3015C20	100 T				23 T	100 T	170	28 T	170	903 JT	1060 JT
03R004	LWG0103R004SD3015C30	77 T				24 T	93 T	120	30 T	130	727 JT	818 JT
03R005	LWG0103R005SD3015C00	3400 T				800 T	7500 T	15000	1100 T	11000 J	54900 JT	67200 JT
03R032	LWG0103R032SD3015C00	160 T				83 T	200 T	320	130 T	420	1820 JT	2350 JT
03R034	LWG0103R034SD3015C00	11 JT				10 T	10 JT	20 U	10 T	20 UJ	67.7 JT	67.7 JT
03R040	LWG0103R040SD3015C00	760 T				890 T	1000 T	1500	1100 T	1600	9940 T	12400 T
03R041	LWG0103R041SD3015C00	130 T				38 T	130 T	210	44 T	240	1190 JT	1420 JT
04B023	LWG0104B023SD3015C00	37 T				37 T	41 T	57	38 T	71	396 JT	429 JT
04B024	LWG0104B024SD3015C00	270 T				220 T	310 T	520	220 T	700	3100 T	3550 T
04R002	LWG0104R002SD3015C00	30000 T				25000 T	31000 T	41000	32000	40000	304000 JT	338000 JT
04R003	LWG0104R003SD3015C00	1100 T				400 T	1100 T	2000	540 T	1200 J	10200 JT	11600 JT
04R004	LWG0104R004SD3015C00	250 T				100 T	280 T	670	100 T	630 J	2770 JT	3540 JT
05B018	LWG0105B018SD3015C00	81 T				30 T	97 T	120	39 T	130	781 JT	830 JT
05B019	LWG0105B019SD3015C00	7.5 T				6.6 T	7.9 T	19 U	5.2 T	19 U	45.1 T	45.1 T
05R001	LWG0105R001SD3015C00	32 T				38 T	29 T	24	30 T	40	297 JT	297 JT
05R003	LWG0105R003SD3015C00	1100 T				400 T	1500 T	2700	510 T	2100 J	12700 JT	15300 JT
05R020	LWG0105R020SD3015C00	1300 JT				150 JT	2100 T	12000	220 JT	7400	26400 JT	36800 JT
05R040	LWG0105R040SD3015C00	8600 T				12000 T	42000 T	93000	13000 T	94000	343000 T	460000 T
05R041	LWG0105R041SD3015C00	22 T				110 T	140 T	32	77 T	24	791 JT	791 JT
06B022	LWG0106B022SD3015C00	6.6 T				5.8 T	7.9 T	39	4.8 T	23	102 T	194 T
06B025	LWG0106B025SD3015C00	24000 T				36000 T	38000 T	68000	31000 T	80000	388000 JT	464000 JT
06B026	LWG0106B026SD3015C00	9.4 T				15 T	12 T	19 U	11 T	19 U	71.7 T	71.7 T
06B029	LWG0106B029SD3015C00	220 T				270 T	230 T	250	260 T	280	2280 T	2460 T
06B030	LWG0106B030SD3015C00	58 T				44 T	71 T	110	47 T	84	611 JT	668 JT
06R001	LWG0106R001SD3015C00	1300 T				640 JT	1600 T	2800	790 JT	2100 J	15200 JT	17200 JT
06R002	LWG0106R002SD3015C10	120 T				40 T	140 T	290	46 T	240 J	1280 JT	1760 JT
06R002	LWG0106R002SD3015C20	220 T				79 T	320 T	610	85 T	520 J	2700 JT	3490 JT
06R002	LWG0106R002SD3015C31	355 T				82.5 T	340 T	670 T	98.5 T	630 JT	3100 JT	3790 JT
06R004	LWG0106R004SD3015C00	1300 T				580 T	1500 T	1800	720 T	1600 J	12700 JT	14300 JT
06R031	LWG0106R031SD3015C00	540 JT				24 JT	890 T	4000	32 JT	2900	10200 JT	31600 JT
06R040	LWG0106R040SD3015C00	5400 T				3900 T	8300 T	17000	4100 T	16000	80700 T	103000 T
07B022	LWG0107B022SD3015C00	7.1 T				5.9 T	8.3 T	20 U	6.3 T	20 U	48.5 T	48.5 T
07B023	LWG0107B023SD3015C00	14 T				16 T	19 T	26	13 T	29	161 JT	161 JT
07B024	LWG0107B024SD3015C00	52 T				33 T	56 T	75	23 T	69	468 T	503 T
07R003	LWG0107R003SD3015C00	80 T				29 T	120 T	310	28 T	260 J	1080 JT	1200 JT
07R004	LWG0107R004SD3015C00	3000 T				2200 T	3400 T	5900	2600 T	5000 J	33700 JT	38900 JT
07R006	LWG0107R006SD3015C00	1400 T				820 T	2000 T	1100	1200 T	830 J	13100 JT	13600 JT
07R030	LWG0107R030SD3015C00	34 T				28 T	73 T	87	21 T	72	432 JT	464 JT
07R040	LWG0107R040SD3015C00	30 T				32 T	32 T	57	19 T	49	295 T	329 T
08B032	LWG0108B032SD3015C00	10 T				18 T	18 T	25	13 T	33	162 JT	162 JT
08R001	LWG0108R001SD3015C00	260 T				95 T	400 T	860	76 T	600 J	3020 JT	3390 JT
08R002	LWG0108R002SD3015C00	19 T				22 T	37 T	66	51 T	63	324 T	362 T
08R003	LWG0108R003SD3015C00	100 T				23 T	110 T	180	29 T	180 J	948 JT	1070 JT
08R040	LWG0108R040SD3015C00	900 T				130 T	1200 T	1500	150 T	940	6810 T	7960 T
08R041	LWG0108R041SD3015C00	30 T				36 T	74 T	88	26 T	71	445 T	477 T
09B024	LWG0109B024SD3015C00	10 T				14 T	21 T	33	8.7 T	46	177 JT	209 JT
09B026	LWG0109B026SD3015C00	2.7 T				1.9 T	3.6 T	19 U	1.9 UT	19 U	10.3 T	10.3 T
09B027	LWG0109B027SD3015C10	11 T				8.4 T	12 T	24	6.6 T	20 U	90.8 T	90.8 T
09B027	LWG0109B027SD3015C20	6.2 T				5.2 T	8.3 T	19 U	4.4 T	19 U	40.1 T	40.1 T
09B027	LWG0109B027SD3015C31	8.55 T				6.5 T	12.5 T	29 T	5.9 T	24 T	112 T	112 T
09B028	LWG0109B028SD3015C00	6.1 T				4.2 T	7.6 T	19 U	4.6 T	20	57.4 T	57.4 T
09R001	LWG0109R001SD3015C10	570 T				200 T	750 T	2000	220 T	1400	6980 JT	9940 JT
09R001	LWG0109R001SD3015C20	210 T				76 T	210 T	420	75 T	410	1900 T	2210 T
09R001	LWG0109R001SD3015C31	1450 T				325 T	1220 T	2060 T	370 T	1710 T	10300 T	11400 T
09R002	LWG0109R002SD3015C00	400 T				150 T	410 T	700	160 T	560	3600 JT	3980 JT
09R040	LWG0109R040SD3015C00	75 T				24 T	70 T	140	15 T	110	578 T	651 T
09R041	LWG0109R041SD3015C00	36 T				11 T	37 T	56	8.5 T	49	270 T	299 T
AP02APG	LWG2-PG-AP2A	1100				500	1800	950	600	930	9670 T	9970 T
AP02DPG	LWG2-PG-AP2D	110				92	210	230	100	230	1430 T	1620 T
AP04CPG	LWG2-PG-AP4C	260				170	320	180	210	180	2140 T	2250 T
AP04CPG2	LWG2-PG-AP4C-2	340				220	380	230	270	240	2840 T	2950 T
AR02APG	LWG2-PG-AR2A	78				120	110	220	110	280	1240 T	1550 T
CP07APG	LWG2-PG-CP7A	73				78	81	86	78	130	809 T	852 JT
CP07DPG	LWG2-PG-CP7D	8.6				9.2	17	25	8	30	130 JT	162 JT
CP09APG	LWG2-PG-CP9A	47				58	70	120	54	150	688 T	831 T
CP09DPG	LWG2-PG-CP9D	11				11	27	53	10	56	212 JT	241 JT
EM02APG	LWG2-PG-EM2A	5				8	9.9	18	7.2	24	95.8 JT	114 JT
EM03APG	LWG2-PG-EM3A	11				19	25	40	16	60	220 JT	251 JT
GN01EPG	LWG2-PG-GN1E	18				29	28	67	22	95	327 T	497 T
GN02EPG	LWG2-PG-GN2E	20				25	30	71	21	91	330 T	465 T
GN05APG	LWG2-PG-GN5A	38				39	71	150	35	150	638 T	861 T
GN05APG2	LWG2-PG-GN5A-2	96				68	130	270	74	260	1200 T	1500 T
GS04APG	LWG2-PG-GS4A	46000				65000	59000	160000	63000	210000	794000 T	1140000 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
GS04APG2	LWG2-PG-GS4A-2	53000	120000	12000	73000	58000	55000	390000	761000 T	15000	120000	160000	110000
GS07BPG	LWG2-PG-GS7B	1000	8800	4200	14000	5600	3800	54000	91400 T	3000	28000	43000	25000
GS07DPG	LWG2-PG-GS7D	1300	2400	1200	2900	1400	3700	9200	22100 T	1100	8600	14000	8400
KM08APG	LWG2-PG-KM8A	3.1	0.27 J	1.3 J	1.3 J	0.37 J	0.43 U	3.7	10 JT	1.4 J	7.2	13	14
R2AP02PG	LWG2-PG-R2AP2	2.5 J	5.4	4.5	22	6.8	0.75 U	56	97.2 JT	37	170	220	340
R2AR01PG	LWG2-PG-R2AR1	2.2 J	1.7 J	6.6	12	2.8	0.44 UJ	35	60.3 JT	16	79	130	90
R2AR01G2	LWG2-PG-R2AR1-2	1.5 J	3.6	1.8 J	10	4.9	0.45 U	98	120 JT	10	75	76	85
R2AR02PG	LWG2-PG-R2AR2	20	23	19	45	23	54	240	424 T	25	160	230	180
R2AR04PG	LWG2-PG-R2AR4	32	9.1	8.3	35	13	26	120	243 T	26	150	180	150
R2GN01PG	LWG2-PG-R2GN1	2.8	3.7	1.9 U	4.9	2.7	6.7	26	46.8 T	3.5	25	27	24
R2KM2PG	LWG2-PG-R2KM2	4.7	8.3	13	27	6.1	16	58	133 T	14	87	150	98
R2RP03PG	LWG2-PG-R2RP3	0.78 J	0.58 J	1.9	1.2 J	0.39 J	0.49 U	4.1	8.95 JT	1.9	9.1	13	11
RP03CPG	LWG2-PG-RP3C	8.1	22	26	54	16	24	150	300 T	25	160	270	190
RP07BPG	LWG2-PG-RP7B	18	52	25	110	37	48	230	520 T	35	240	350	230
SL02APG	LWG2-PG-SL2A	260	7100	770 J	5500	4100	640	26000	44400 JT	870 J	7900	9800	5400
SL02EPG	LWG2-PG-SL2E	65	400	98	310	140	130	1200	2340 T	120	640	1100	640
SL03FPG	LWG2-PG-SL3F	39	710	53	220	69	100	480	1670 T	64	420	690	420
SL04APG	LWG2-PG-SL4A	62	670	71	260	480	120	950	2610 T	80	580	790	500
SL04FPG	LWG2-PG-SL4F	130	2500	100	590	1200	320	2400	7240 T	110	800	1000	680
SL05APG	LWG2-PG-SL5A	23	95	47	94	61	61	310	691 T	59	350	560	340
W09APG	LWG2-PG-W9A	0.49 U	0.25 J	0.32 U	0.4 J	0.28 U	0.51 U	1.6 U	0.65 JT	0.38 U	1.2 U	0.83 U	1.2 J
W09CPG	LWG2-PG-W9C	4.2	5.1	6.5	13	6.4	10	46	91.2 T	3.8	46	41	39
ARC02B	LWPTZSARC02B2	63	170	140	430	190	470	2500	3960 T	170	1200	2000	1800
ARC03B	LWPTZSARC03B	490	3400	800	1600	2600	1400	22000	32300 T	560	5100	7500	6500
ARC06B-1	LWPTZSARC06B-1	390	1800	440	1100	1300	1200	12000	18200 T	330	3000	4300	4000
ARC06B-2	LWPTZSARC06B-2	320	1700	290	740	1200	860	10000	15100 T	230	2000	2700	2500
NA-2B	NA-2B-0031	3	2.6 J	2.6 J	7.4	3.1	0.75 U	9.4	28.1 JT	2 J	8.8	12	16
NA-3B	NA-3B-0034	30 J	23 J	32 J	30 J	23 J	82 J	150 J	370 JT	7.9 J	44 J	66 J	64 J
NA-4B	NA-4B-0024	7.8	9.1	10	15	7.2	25	47	121 T	8.8	42	52	73
DM-1	PSYD&M97DM01DM01		14.2	9.93	26	15.3	14.4	143	223 JT	37.3	136	131	168
DM-9	PSYD&M97DM09DM09T		17.3	6.7 U	21.5	18.3	12.1	129	198 JT	28.5	102	92.8	123
DM-16	PSYD&M97DM16DM16		25.3	18.8	40.9	28.2	33.6	196	343 JT	45.3	168	195	217
DM-22	PSYD&M97DM22DM22		6.7 U	6.7 U	6.7 U	6.7 UJ	6.7 U	29.4	29.4 JT	6.7 U	25.1	30.9	43.7
PSY01	PSYSEA98PSY01PSY01S	54	59	17	170	88	65	848	1300 T	72	411	358	417
PSY03	PSYSEA98PSY03PSY03S	10 U	52	12	99	44	19	472	698 T	49	342	382	469
PSY04	PSYSEA98PSY04PSY04S	10 U	11	10 U	23	13	14	102	163 T	29	103	133	210
PSY05	PSYSEA98PSY05PSY05S	15	23	10 U	25	24	15	161	263 T	13	112	124	226
PSY06	PSYSEA98PSY06PSY06S	10 U	10 U	10 U	10 U	10 U	10 U	32	32 T	10 U	17	15	21
PSY07	PSYSEA98PSY07PSY07S	10 U	11	10 U	22	15	11	142	201 T	18	105	114	202
PSY08	PSYSEA98PSY08PSY08S	34 T	23 T	226 T	180 T	140 T	55.5 T	1700 T	2360 T	54.5 T	579 T	712 T	650 T
PSY08	PSYSEA98PSY08PSY52S	22	36	13	86	51	53	531	792 T	61	388	364	694
PSY08	PSYSEA98PSY08PSY53S	21	27	10 U	36	37	38	287	446 T	39	211	206	313
PSY10	PSYSEA98PSY10PSY10S	189	272	10 U	74	285	148	566	1530 T	22	179	176	351
PSY11	PSYSEA98PSY11PSY11S	13	20	10 U	53	30	27	234	377 T	24	240	213	340
PSY12	PSYSEA98PSY12PSY12S	20	72	88	429	124	34	1720	2490 T	125	1480	1630	1150
PSY14	PSYSEA98PSY14PSY14S	13	14	10 U	28	19	24	136	234 T	18	105	116	180
PSY15	PSYSEA98PSY15PSY15S	11	18	11	41	37	15	180	313 T	28	188	189	449
PSY16	PSYSEA98PSY16PSY16S	10 U	10 U	10 U	20	12	13	96	141 T	14	93	120	179
PSY17	PSYSEA98PSY17PSY17S	10 U	12	10 U	28	17	19	128	204 T	14	106	117	188
PSY18	PSYSEA98PSY18PSY18S	15	32	15	70	47	31	384	594 T	38	321	333	487
PSY19	PSYSEA98PSY19PSY19S	10 U	10 U	10 U	14	10 U	10 U	86	100 T	12	67	85	148
PSY20	PSYSEA98PSY20PSY20S	10 U	15	10 U	29	19	15	133	211 T	16	113	135	176
PSY21	PSYSEA98PSY21PSY21S	14	12	10 U	27	14	33	109	209 T	36	154	195	256
PSY22	PSYSEA98PSY22PSY22S	10 U	10	10 U	16	12	10 U	93	131 T	10 U	70	67	101
PSY23	PSYSEA98PSY23PSY23S	10 U	10	10 U	15	13	10 U	87	125 T	10 U	71	76	108
PSY24	PSYSEA98PSY24PSY24S	10 U	10 U	10 U	32	23	10 U	186	241 T	14	79	87	95
PSY25	PSYSEA98PSY25PSY25S	10 U	10 U	10 U	10 U	10 U	10 U	49	49 T	10 U	41	48	68
PSY26	PSYSEA98PSY26PSY26S	30	90	25	356	171	48 U	1040	1710 T	66	561	451	748
PSY27C	PSYSEA98PSY27CY27A01	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
PSY27	PSYSEA98PSY27PSY27S	52	60	12	814	201	48	629	1820 T	43	373	334	537
PSY28	PSYSEA98PSY28PSY28S	10 U	10 U	10 U	10 U	10 U	10 U	14	14 T	10 U	13	14	23
PSY29	PSYSEA98PSY29PSY29S	24	75	10 U	115	79	27	469	789 T	56	353	351	439
PSY30	PSYSEA98PSY30PSY30S	16	18	10 U	22	23	16	160	255 T	18	130	120	150
PSY31	PSYSEA98PSY31PSY31S	10 U	10 U	10 U	12	10 U	10 U	60	72 T	10 U	64	58	77
PSY32	PSYSEA98PSY32PSY32S	10 U	11	10 U	12	10 U	10 U	54	77 T	10 U	56	51	64
PSY33	PSYSEA98PSY33PSY33S	10 U	10 U	10 U	10 U	10 U	10 U	37	37 T	10 U	36	31	41
PSY34	PSYSEA98PSY34PSY34S	10 U	10 U	10 U	10 U	10 U	10 U	38	38 T	10 U	38	38	53
PSY35	PSYSEA98PSY35PSY35S	10 U	10 U	10 U	10 U	10 U	10 U	29	29 T	10 U	29	27	37
PSY36	PSYSEA98PSY36PSY36S	10 U	10 U	10 U	10 U	10 U	10 U	25	25 T	10 U	26	24	33
PSY37	PSYSEA98PSY37PSY37S	10 U	10 U	10 U	10 U	10 U	10 U	41	41 T	10 U	41	40	51
PSY38	PSYSEA98PSY38PSY38S	10 U	10 U	10 U	10 U	10 U	10 U	17	17 T	10 U	19	21	24
PSY39	PSYSEA98PSY39PSY39S	10 U	10 U	10 U	10 U	10 U	10	19	29 T	10 U	14	13	17
PSY40	PSYSEA98PSY40PSY40S	10 U	10 U	10 U	10 U	10 U	10 U	21	21 T	10 U	15	10 U	15
PSY41	PSYSEA98PSY41PSY41S	10 U	10 U	10 U	10 U	10 U	10 U	33	33 T	10 U	29	26	34
PSY42	PSYSEA98PSY42PSY42S	15	19	11	40	33	24	160	302 T	10 U	99	91	81
PSY43	PSYSEA98PSY43PSY43S	10 U	10 U	10 U	10 U	10 U	10 U	22	22 T	10 U	24	21	27
PSY44	PSYSEA98PSY44PSY44S	10 U	10 U	10 U	10 U	10 U	10 U	26	26 T	10 U	22	19	25
PSY45	PSYSEA98PSY45PSY45S	10 UG	10 UG	10 UG	10 UG	10 UG	10 UG	20 G	20 T	10 UG	35 G	28 G	35 G
PSY46	PSYSEA98PSY46PSY46S	10 U	10 U	10 U	10 U	10 U	10 U	19	19 T	10 U	30	25	32
PSY47	PSYSEA98PSY47PSY47S	10 U	10 U	10 U	10 U	10 U	10 U	25	25 T	10 U	30	32	37
PSY48	PSYSEA98PSY48PSY48S	10 U	10 U	10 U	10 U	10 U	10 U	36	36 T	10 U	33	36	42

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
GS04APG2	LWG2-PG-GS4A-2	89000				130000	130000	350000	130000	450000	1680000 T	2450000 T
GS07BPG	LWG2-PG-GS7B	22000				31000	32000	86000	31000	110000	411000 T	502000 T
GS07DPG	LWG2-PG-GS7D	7200				11000	10000	16000	11000	21000	108000 T	130000 T
KM08APG	LWG2-PG-KM8A	11				15	13	13	13	18	119 JT	129 JT
R2AP02PG	LWG2-PG-R2AP2	210				140	260	220	170	200	1970 T	2060 JT
R2AR01PG	LWG2-PG-R2AR1	84				100	97	120	100	160	976 T	1040 JT
R2AR01G2	LWG2-PG-R2AR1-2	75				54	110	270	59	230	1040 T	1160 JT
R2AR02PG	LWG2-PG-R2AR2	130				210	210	400	200	510	2260 T	2680 T
R2AR04PG	LWG2-PG-R2AR4	130				140	190	270	160	350	1750 T	1990 T
R2GN01PG	LWG2-PG-R2GN1	22				18	30	44	18	50	262 T	308 T
R2KM2PG	LWG2-PG-R2KM2	88				120	140	180	120	220	1220 T	1350 T
R2RP03PG	LWG2-PG-R2RP3	10				16	14	15	12	25	127 T	136 JT
RP03CPG	LWG2-PG-RP3C	150				220	230	390	210	750	2600 T	2900 T
RP07BPG	LWG2-PG-RP7B	200				280	330	470	270	630	3040 T	3560 T
SL02APG	LWG2-PG-SL2A	4900				7200	9500	21000	6700	27000	100000 JT	145000 JT
SL02EPG	LWG2-PG-SL2E	570				960	820	1600	950	2400	9800 T	12100 T
SL03FPG	LWG2-PG-SL3F	330				570	520	870	550	1100	5530 T	7210 T
SL04APG	LWG2-PG-SL4A	370				590	700	1500	590	1600	7300 T	9910 T
SL04FPG	LWG2-PG-SL4F	510				900	970	1900	870	2400	10100 T	17400 T
SL05APG	LWG2-PG-SL5A	290				450	440	670	450	840	4450 T	5140 T
W09APG	LWG2-PG-W9A	0.79 J				0.75 U	3	3.6 U	0.5 U	3.4 U	4.99 JT	5.64 JT
W09CPG	LWG2-PG-W9C	35				28	67	97	28	100	485 T	576 T
ARC02B	LWPTZSARCO2B2	570				1800	1600	3400	1800	4900	19200 T	23200 T
ARC03B	LWPTZSARCO3B	2000				6700	6600	18000	5900	23000	81900 T	114000 T
ARC06B-1	LWPTZSARCO6B-1	1200				3700	4000	10000	3300	14000	47800 T	66100 T
ARC06B-2	LWPTZSARCO6B-2	820				2500	2600	6900	2200	9600	32100 T	47200 T
NA-2B	NA-2B-0031	5.4				11	12	21	8.9	21	118 JT	146 JT
NA-3B	NA-3B-0034	22 J				65 J	54 J	150 J	61 J	180 J	714 JT	1080 JT
NA-4B	NA-4B-0024	24				56	65	94	47	110	572 T	693 T
DM-1	PSYD&M97DM01DM01	145	313 T			103	209	344	93.9	332	1700 T	1923 JT
DM-9	PSYD&M97DM09DM09T	75.1	198 T			77.2	129	206	64.2	183	1080 T	1278 JT
DM-16	PSYD&M97DM16DM16	196	413 T			155	266	419	130	465	2260 T	2603 JT
DM-22	PSYD&M97DM22DM22	24.5	68.2 T			19.9	37.5	49.5	23.5	59.8	314 T	343.4 JT
PSY01	PSYSEA98PSY01PSY01S	438	855 T			231	562	1400	207	1320	5420 T	6720 T
PSY03	PSYSEA98PSY03PSY03S	354	823 T			221	425	740	255	715	3950 T	4648 T
PSY04	PSYSEA98PSY04PSY04S	138	348 T			110	172	445	106	477	1920 T	2083 T
PSY05	PSYSEA98PSY05PSY05S	137	363 T			108	202	324	100	332	1680 T	1943 T
PSY06	PSYSEA98PSY06PSY06S	20	41 T			11	27	54	13	42	220 T	252 T
PSY07	PSYSEA98PSY07PSY07S	133	335 T			99	180	342	97	333	1620 T	1821 T
PSY08	PSYSEA98PSY08PSY08S	533 T	1180 T			532 T	676 T	2240 T	417 T	2930 T	9320 T	11680 T
PSY08	PSYSEA98PSY08PSY52S	416	1110 T			336	696	1660	314	1540	6470 T	7262 T
PSY08	PSYSEA98PSY08PSY53S	234	547 T			195	348	597	173	620	2940 T	3386 T
PSY10	PSYSEA98PSY10PSY10S	201	552 T			127	318	695	130	536	2740 T	4270 T
PSY11	PSYSEA98PSY11PSY11S	239	579 T			134	412	453	134	455	2640 T	3017 T
PSY12	PSYSEA98PSY12PSY12S	1120	2270 T			854	2140	3600	889	4280	17300 T	19790 T
PSY14	PSYSEA98PSY14PSY14S	136	316 T			77	161	450	80	404	1730 T	1964 T
PSY15	PSYSEA98PSY15PSY15S	237	686 T			114	482	502	124	452	2770 T	3083 T
PSY16	PSYSEA98PSY16PSY16S	114	293 T			70	157	301	73	308	1430 T	1571 T
PSY17	PSYSEA98PSY17PSY17S	124	312 T			82	177	455	81	429	1770 T	1974 T
PSY18	PSYSEA98PSY18PSY18S	366	853 T			149	489	833	178	770	3960 T	4554 T
PSY19	PSYSEA98PSY19PSY19S	86	234 T			65	128	356	61	304	1310 T	1410 T
PSY20	PSYSEA98PSY20PSY20S	135	311 T			69	160	380	76	380	1640 T	1851 T
PSY21	PSYSEA98PSY21PSY21S	189	445 T			133	211	437	144	431	2190 T	2399 T
PSY22	PSYSEA98PSY22PSY22S	85	186 T			42	98	320	45	261	1090 T	1221 T
PSY23	PSYSEA98PSY23PSY23S	83	191 T			43	93	270	45	254	1040 T	1165 T
PSY24	PSYSEA98PSY24PSY24S	80	175 T			56	104	334	59	352	1260 T	1501 T
PSY25	PSYSEA98PSY25PSY25S	49	117 T			36	61	158	36	144	641 T	690 T
PSY26	PSYSEA98PSY26PSY26S	664	1410 T			223	1400	2140	269	1710	8230 T	9940 T
PSY27C	PSYSEA98PSY27CY27A01	10 U	10 UT			10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY27	PSYSEA98PSY27PSY27S	344	881 T			170	541	939	208	829	4320 T	6140 T
PSY28	PSYSEA98PSY28PSY28S	18	41 T			10 U	25	28	10	36	167 T	181 T
PSY29	PSYSEA98PSY29PSY29S	335	774 T			186	390	699	222	634	3670 T	4459 T
PSY30	PSYSEA98PSY30PSY30S	95	245 T			70	140	390	120	320	1550 T	1805 T
PSY31	PSYSEA98PSY31PSY31S	47	124 T			44	70	190	68	160	778 T	850 T
PSY32	PSYSEA98PSY32PSY32S	38	102 T			32	58	160	52	140	651 T	728 T
PSY33	PSYSEA98PSY33PSY33S	28	69 T			22	39	110	34	91	432 T	469 T
PSY34	PSYSEA98PSY34PSY34S	38	91 T			29	51	143	28	133	551 T	589 T
PSY35	PSYSEA98PSY35PSY35S	22	59 T			20	33	91	29	82	370 T	399 T
PSY36	PSYSEA98PSY36PSY36S	17	50 T			17	34	76	25	70	322 T	347 T
PSY37	PSYSEA98PSY37PSY37S	31	82 T			30	51	130	44	110	528 T	569 T
PSY38	PSYSEA98PSY38PSY38S	15	39 T			17	23	58	22	57	256 T	273 T
PSY39	PSYSEA98PSY39PSY39S	10	27 T			11	17	45	15	48	190 T	219 T
PSY40	PSYSEA98PSY40PSY40S	10	25 T			10 U	17	34	12	37	140 T	161 T
PSY41	PSYSEA98PSY41PSY41S	20	54 T			18	32	68	27	66	320 T	353 T
PSY42	PSYSEA98PSY42PSY42S	60	141 T			51	95	240	81	240	1040 T	1342 T
PSY43	PSYSEA98PSY43PSY43S	17	44 T			14	27	54	22	53	259 T	281 T
PSY44	PSYSEA98PSY44PSY44S	16	41 T			11	24	58	18	54	247 T	273 T
PSY45	PSYSEA98PSY45PSY45S	22 G	57 T			16 G	38 G	72 G	24 G	77 G	347 T	367 T
PSY46	PSYSEA98PSY46PSY46S	23	55 T			15	31	65	24	67	312 T	331 T
PSY47	PSYSEA98PSY47PSY47S	25	62 T			19	34	70	30	71	348 T	373 T
PSY48	PSYSEA98PSY48PSY48S	34	76 T			19	43	79	20	74	380 T	416 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
PSY49	PSYSEA98PSY49PSY49S	10 U	10 U	10 U	10 U	10 U	10 U	26	26 T	10 U	29	10 U	37
PSY50	PSYSEA98PSY50PSY50S	10 U	10 U	10 U	10 U	10 U	10 U	14	14 T	10 U	14	16	20
PSY70	PSYSEA98PSY70PSY70S	10 UG	10 UG	10 UG	10 UG	10 UG	10 UG	23 G	23 T	10 UG	18 G	18 G	24 G
PSY71	PSYSEA98PSY71PSY71S	10 U	10 U	10 U	10 U	10 U	10 U	19	19 T	10 U	19	19	29
PSY72	PSYSEA98PSY72PSY72S	10 UT	10 T	10 UT	17 T	14 T	10 UT	73.5 T	115 T	12 T	85 T	58 T	102 T
PSY72	PSYSEA98PSY72PSY74S	10 U	10 U	10 U	10 U	10 U	10 U	38	38 T	10 U	33	28	39
PSY72	PSYSEA98PSY72PSY75S	10 U	10 U	10 U	10 U	10 U	10 U	35	35 T	10 U	33	34	42
PSY76	PSYSEA98PSY76PSY76S	12	10 U	10 U	11	10 U	19	60	102 T	10 U	32	34	43
PSY77	PSYSEA98PSY77PSY77S	36	45	10 U	85	73	32	393	664 T	10 U	115	93	78
REFC	PSYSEA98REFCSY60SC	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
REFF	PSYSEA98REFFSY61SF	10 U	10 U	10 U	10 U	10 U	10 U	23	23 T	10 U	25	34	39
REFM	PSYSEA98REFMSY62SM	10 U	10 U	10 U	10 U	10 U	10 U	24	24 T	10 U	32	36	44
SED10	RIEDEL97SED10D100.5	6	13	5 U	18	18	9	111	175 T	15	65	67	89
SED14	RIEDEL97SED14D140.5	6	7	5 U	7	6	9	35	70 T	8	22	25	27
LPSG-S-001-R-1	WLCASF97S001W4159		7 T	8 T	15 T	10 T	17.5 T	67.5 T	125 JT	8.5 T	44.5 T	52 T	54 T
LPSG-S-002-R-1	WLCASF97S002W4158		4	5	9	6	13	41	78 JT	4	23	26	28
LPSG-S-003-R-1	WLCASF97S003W4157		25	12	31	34	36	161	299 JT	9	64	56	63
LPSG-S-004-R-1	WLCASF97S004W4156		40	42	57	45	127	259	570 JT	8	83	84	68
LPSG-S-005-R-1	WLCASF97S005W4155		65	27	89	123	74	1011	1390 JT	111	451	566	657
LPSG-S-006-R-1	WLCASF97S006W4154		49	11	28	44	21	153	306 JT	7	50	45	51
LPSG-S-007-R-1	WLCASF97S007W4153		9	4	8	10	8	50	89 JT	6	31	36	39
LPSG-S-008-R-1	WLCASF97S008W4152		23	9	24	30	28	143	257 JT	6	46	31	35
LPSG-S-009-R-1	WLCASF97S009W4172		27	12	34	37	17	164	291 JT	12	85	79	87
LPSG-S-010-R-1	WLCASF97S010W4171		41	11	41	55	32	318	498 JT	7	66	48	59
LPSG-S-011-R-1	WLCASF97S011W4170		37	18	90	63	15	439	662 JT	9	186	71	82
LPSG-S-012-R-1	WLCASF97S012W4168		11	7	17	16	15	82	148 JT	6	43	38	41
LPSG-S-012-R-1	WLCASF97S012W4169		10	8	16	16	20	75	145 JT	6	43	38	41
LPSG-S-013-R-1	WLCASF97S013W4167		6	5	12	9	8	49	89 JT	6	33	34	36
LPSG-S-014-R-1	WLCASF97S014W4166		4	5	9	7	9	51	85 JT	4	27	28	34
LPSG-S-016-R-1	WLCASF97S016W4150		297	56	149	187	102	557	1350 JT	55	288	377	276
LPSG-S-017-R-1	WLCASF97S017W4149		1398820	285353	612422	661823	50622980	2918707	56500000 JT	52802	459601	621300	342877
LPSG-S-018-R-1	WLCASF97S018W4160		135	260	689	127	97	2154	3460 JT	144	1267	1976	967
LPSG-S-019-R-1	WLCASF97S019W4148		126 T	152 T	175 T	117 T	211 T	488 T	1270 JT	182 T	725 T	1410 T	865 T
LPSG-S-020-R-1	WLCASF97S020W4147		59	22	70	38	29	260	478 JT	39	204	306	217
LPSG-S-021-R-1	WLCASF97S021W4146		12173	730	9904	7697	2500	48731	81700 JT	1242	10201	13041	7457
LPSG-S-022-R-1	WLCASF97S022W4145		57	47	132	69	108	499	912 JT	61	371	472	380
LPSG-S-023-R-1	WLCASF97S023W4144		53	35	75	44	37	279	523 JT	56	261	389	280
LPSG-S-024-R-1	WLCASF97S024W4143		61	41	96	56	60	343	657 JT	52	247	383	283
LPSG-S-025-R-1	WLCASF97S025W4142		52	46	156	58	81	343	736 JT	52	342	366	330
LPSG-S-026-R-1	WLCASF97S026W4141		24	17	51	28	42	181	343 JT	25	138	181	147
LPSG-S-027-R-1	WLCASF97S027W4140		34	23	53	26	27	200	363 JT	32	170	253	199
LPSG-S-028-R-1	WLCASF97S028W4139		30	17	34	23	32	136	272 JT	19	90	140	102
LPSG-S-029-R-1	WLCASF97S029W4138		13	10	25	16	26	112	202 JT	14	75	101	89
LPSG-S-030-R-1	WLCASF97S030W4137		13	17	28	15	29	96	198 JT	18	91	141	104
LPSG-S-045-R-1	WLCASF97S045W4161		67	40	76	56	49	304	592 JT	37	186	292	209
LPSG-S-045-R-1	WLCASF97S045W4162		1358	161	792	777	376	3958	7420 JT	165	992	1298	829
LPSG-S-046-R-1	WLCASF97S046W4163		31	17	64	30	36	215	393 JT	29	164	211	174
LPSG-S-047-R-1	WLCASF97S047W4164		43	39	84	43	82	287	578 JT	43	238	314	221
LPSG-S-048-R-1	WLCASF97S048W4165		1565	27	644	1384	224	3643	7490 JT	17	390	143	168
SD01	WLCAYH00SD01SD01S	2 J	15 U	10 J	37 J	10 J	4 J	90 J	153 JT	5 J	100	40	75 J
SD02	WLCAYH00SD02SD02S	1 J	15 U	6 J	5 J	2 J	6 J	20 J	40 JT	29 U	10 J	10 J	15 J
SD03	WLCAYH00SD03SD03S	1 J	14 U	10 J	16 J	7 J	4 J	55 J	93 JT	3 J	25	17	23 J
SD04	WLCAYH00SD04SD04S	4 J	10 J	22 J	28 J	14	8 J	92 J	178 JT	10 J	67	55	72 J
SD0102	WLCCPF01SD0102SD2S1C	0.9 U	3 U	3 U	4.76	3 U	3 U	13.9	18.7 T	3 U	23	25	36.5
SD0105	WLCCPF01SD0105D5SC1C	28.5	65.8	22.7	43.1	72.4	30	224	487 T	33.6	70.2	70.2	99.4
WR-PG-01	WLCDRD05PG00101	1.8 J	2.8 J	3.2 J	4.2	2.1 J	9.2 U	14	28.1 JT	4.6	14	23	19
WR-PG-02	WLCDRD05PG00202	4.9	5.7	7.4	9.8	5.3	21	35	89.1 T	6.9	33	51	40
WR-PG-03	WLCDRD05PG00303	4.4	4	4.3	6.8	3.9	13 U	23	46.4 T	4.9	21	33	29
WR-PG-04	WLCDRD05PG00404	9.8	35	110	61	15	35	100	366 T	130	550 J	970 J	600 J
WR-PG-06	WLCDRD05PG00606	3.2	4.3	5.6	7.3	3.8	13	24	61.2 T	7.1	30	56	37
WR-PG-09	WLCDRD05PG00909	2.2 J	4.7	2.8 J	8.1	4.1	8.6 U	29	50.9 JT	8.6	37	57	51
WR-PG-11	WLCDRD05PG01111	6.8	15	7.2	23	12	22	85	171 T	27	100	150	120
WR-PG-12	WLCDRD05PG01212	4.9	12	5.6	12	8.9	16	42	101 T	6.4	38	52	43
WR-PG-13	WLCDRD05PG01313	22	69	12	89	50	34	590	866 T	190	600	820	920
WR-PG-14	WLCDRD05PG01414	6.6	20	4.5	16	21	18	110	196 T	5.4	26	41	30
WR-PG-15	WLCDRD05PG01515	3.6	10	6.8	18	9.9	12 U	51	99.3 T	17	76	93	90
WR-PG-16	WLCDRD05PG01616	76	490	150	260	450	240	4800	6470 T	250	1600	2500	1400
WR-PG-17	WLCDRD05PG01717	7.6	9.7	9.3	39	12	22	94	194 T	23	140	140	95
WR-PG-18	WLCDRD05PG01818	10	22	32	34	18	27	130	273 T	43	160	290	180
WR-PG-19	WLCDRD05PG01919	8.9	12	8.6	21	13	21	79	164 T	20	81	120	110
WR-PG-21	WLCDRD05PG02121	18	35	16	30	31	70	180	380 T	29	130	190	140
WR-PG-22	WLCDRD05PG02222	2.1 J	4.1	3.7	9.7	4.1	9.4 U	30	53.7 JT	5.9	33	43	40
WR-PG-23	WLCDRD05PG02323	42	120	48	74	93	100	450	927 T	75	350	500	370
WR-PG-24	WLCDRD05PG02424	150	1400	22	210	850	63	2000	4700 T	22	200	190	160
WR-PG-26	WLCDRD05PG02626	0.49 J	0.42 J	0.37 J	0.55 J	0.35 J	3.7 U	1.9 J	4.08 JT	0.54 J	1.9 J	2.8	2.5 J
WR-PG-27	WLCDRD05PG02727	4.9	19	6.2	16	14	17	47	124 T	13	62	83	85
WR-PG-29	WLCDRD05PG02929	0.88 J	1 J	1.6 J	2.9 J	1 J	3.8 U	14	21.4 JT	2 J	13	14	17
WR-PG-30	WLCDRD05PG03030	19	29	18	43	28	51	220	408 T	22	120	190	140
WR-PG-33	WLCDRD05PG03333	0.56 U	0.31 J	0.69 J	0.82 J	0.32 J	2.5 U	2.6	4.74 JT	1.3 J	3.9	4.2	4.3
WR-PG-34	WLCDRD05PG03434	5.6	11	11	25	8.4	24	72	157 T	21	83	130	100
WR-PG-35	WLCDRD05PG03535	0.7 U	0.96 J	0.94 J	1.6 J	0.81 J	2.8 U	8.5	12.8 JT	3.4	13	15	15

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
PSY49	PSYSEA98PSY49PSY49S	23	60 T			19	36	65	30	64	303 T	329 T
PSY50	PSYSEA98PSY50PSY50S	16	36 T			11	21	27	10	31	166 T	180 T
PSY70	PSYSEA98PSY70PSY70S	19 G	43 T			21 G	30 G	77 G	19 G	74 G	300 T	323 T
PSY71	PSYSEA98PSY71PSY71S	19	48 T			18	28	96	16	82	326 T	345 T
PSY72	PSYSEA98PSY72PSY72S	58 T	160 T			33.5 T	94.5 T	333 T	35.5 T	265 T	1080 T	1195 T
PSY72	PSYSEA98PSY72PSY74S	26	65 T			26	43	174	22	154	545 T	583 T
PSY72	PSYSEA98PSY72PSY75S	31	73 T			18	45	95	18	99	415 T	450 T
PSY76	PSYSEA98PSY76PSY76S	33	76 T			22	51	116	21	124	476 T	578 T
PSY77	PSYSEA98PSY77PSY77S	70	148 T			33	126	288	36	356	1200 T	1864 T
REFC	PSYSEA98REFCSY60SC	10 U	10 UT			10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
REFF	PSYSEA98REFFSY61SF	33	72 T			30	35	91	27	92	406 T	429 T
REFM	PSYSEA98REFMSY62SM	33	77 T			22	48	97	23	96	431 T	455 T
SED10	RIEDEL97SED10D100.5	88	177 T			64	128	279	66	234	1100 T	1275 T
SED14	RIEDEL97SED14D140.5	26	53 T			36	32	57	34	71	338 T	408 T
LPSG-S-001-R-1	WLCASF97S001W4159			47.5 T	102 T	51 T	66 T	115 T	44.5 T	120 T	604 T	729 JT
LPSG-S-002-R-1	WLCASF97S002W4158			25	53	27	35	73	22	76	339 T	417 JT
LPSG-S-003-R-1	WLCASF97S003W4157			60	123	46	86	171	41	168	764 T	1063 JT
LPSG-S-004-R-1	WLCASF97S004W4156			70	138	78	109	258	57	314	1130 T	1700 JT
LPSG-S-005-R-1	WLCASF97S005W4155			689	1346	537	863	1697	563	1488	7620 T	9010 JT
LPSG-S-006-R-1	WLCASF97S006W4154			48	99	41	79	199	38	171	729 T	1035 JT
LPSG-S-007-R-1	WLCASF97S007W4153			34	73	34	45	77	32	76	410 T	499 JT
LPSG-S-008-R-1	WLCASF97S008W4152			31	66	28	76	123	22	144	542 T	799 JT
LPSG-S-009-R-1	WLCASF97S009W4172			77	164	75	130	270	69	251	1140 T	1431 JT
LPSG-S-010-R-1	WLCASF97S010W4171			56	115	41	104	268	34	245	928 T	1426 JT
LPSG-S-011-R-1	WLCASF97S011W4170			92	174	37	384	688	38	504	2090 T	2752 JT
LPSG-S-012-R-1	WLCASF97S012W4168			39	80	34	55	129	30	117	532 T	680 JT
LPSG-S-012-R-1	WLCASF97S012W4169			39	80	36	61	124	31	114	533 T	678 JT
LPSG-S-013-R-1	WLCASF97S013W4167			32	68	30	49	81	28	75	404 T	493 JT
LPSG-S-014-R-1	WLCASF97S014W4166			28	62	26	48	94	23	80	392 T	477 JT
LPSG-S-016-R-1	WLCASF97S016W4150			275	551	323	346	563	305	629	3440 T	4790 JT
LPSG-S-017-R-1	WLCASF97S017W4149			374183	717060	52159	523088	1588359	440201	1931786	6860000 T	63360000 JT
LPSG-S-018-R-1	WLCASF97S018W4160			1145	2112	2076	1486	3782	1461	5104	19400 T	22860 JT
LPSG-S-019-R-1	WLCASF97S019W4148			850 T	1720 T	1230 T	921 T	992 T	1140 T	1260 T	9580 T	10850 JT
LPSG-S-020-R-1	WLCASF97S020W4147			225	442	253	237	437	248	478	2640 T	3118 JT
LPSG-S-021-R-1	WLCASF97S021W4146			8273	15730	10452	12631	33363	9291	41387	147000 T	228700 JT
LPSG-S-022-R-1	WLCASF97S022W4145			340	720	394	442	785	363	823	4430 T	5342 JT
LPSG-S-023-R-1	WLCASF97S023W4144			261	541	319	310	415	308	526	3130 T	3653 JT
LPSG-S-024-R-1	WLCASF97S024W4143			264	547	332	308	478	312	539	3200 T	3857 JT
LPSG-S-025-R-1	WLCASF97S025W4142			319	649	286	513	632	283	707	3830 T	4566 JT
LPSG-S-026-R-1	WLCASF97S026W4141			144	291	151	183	284	144	304	1700 T	2043 JT
LPSG-S-027-R-1	WLCASF97S027W4140			177	376	206	204	349	200	378	2170 T	2533 JT
LPSG-S-028-R-1	WLCASF97S028W4139			100	202	131	114	182	120	213	1210 T	1482 JT
LPSG-S-029-R-1	WLCASF97S029W4138			86	175	84	100	180	80	183	992 T	1194 JT
LPSG-S-030-R-1	WLCASF97S030W4137			102	206	123	119	169	113	199	1180 T	1378 JT
LPSG-S-045-R-1	WLCASF97S045W4161			191	400	256	239	375	234	440	2460 T	3052 JT
LPSG-S-045-R-1	WLCASF97S045W4162			811	1640	1102	1214	3126	1011	3927	14500 T	21920 JT
LPSG-S-046-R-1	WLCASF97S046W4163			154	328	165	197	305	161	329	1890 T	2283 JT
LPSG-S-047-R-1	WLCASF97S047W4164			211	432	264	290	423	232	542	2780 T	3358 JT
LPSG-S-048-R-1	WLCASF97S048W4165			168	336	55	379	2324	65	1623	5330 T	12820 JT
SD01	WLCAYH00SD01SD01S	23	98 T			20 J	110	230 J	20 J	170 J	793 JT	946 JT
SD02	WLCAYH00SD02SD02S	5 J	20 T			10 J	10 J	40 J	10 J	35 J	145 JT	185 JT
SD03	WLCAYH00SD03SD03S	9 J	32 T			10 J	27	71 J	10 J	55 J	250 JT	343 JT
SD04	WLCAYH00SD04SD04S	24	96 T			50	84	200 J	54	170 J	786 JT	964 JT
SD0102	WLCCPF01SD0102SD2S1C	8.72	45.2 T			21	21	35.3	29.3	33.7	234 T	252.7 T
SD0105	WLCCPF01SD0105D5SC1C	27	126 T			66.5	81.9	273	76	259	1060 T	1547 T
WR-PG-01	WLCDRD05PG00101	16	35 T			27	21	30	23	35	213 T	241.1 JT
WR-PG-02	WLCDRD05PG00202	35	75 T			58	45	76	52	83	480 T	569.1 T
WR-PG-03	WLCDRD05PG00303	24	53 T			38	32	52	34	53	321 T	367.4 T
WR-PG-04	WLCDRD05PG00404	430 J	1030 T			890 J	690 J	610 J	900 J	710 J	6480 JT	6846 JT
WR-PG-06	WLCDRD05PG00606	35	72 T			65	47	55	62	63	457 T	518.2 T
WR-PG-09	WLCDRD05PG00909	39	90 T			57	50	71	58	69	498 T	548.9 JT
WR-PG-11	WLCDRD05PG01111	100	220 T			130	130	190	140	190	1280 T	1451 T
WR-PG-12	WLCDRD05PG01212	36	79 T			56	50	98	58	94	531 T	632 T
WR-PG-13	WLCDRD05PG01313	510	1430 T			680	790	1200	820	930	7460 T	8326 T
WR-PG-14	WLCDRD05PG01414	25	55 T			47	43	85	43	82	427 T	623 T
WR-PG-15	WLCDRD05PG01515	69	159 T			82	110	120	83	110	850 T	949.3 T
WR-PG-16	WLCDRD05PG01616	1200	2600 T			2500	2000	5700	2300	7400	26900 T	33370 T
WR-PG-17	WLCDRD05PG01717	100	195 T			91	180	290	99	280	1440 T	1634 T
WR-PG-18	WLCDRD05PG01818	150	330 T			290	210	270	280	290	2160 T	2433 T
WR-PG-19	WLCDRD05PG01919	76	186 T			110	110	180	110	170	1090 T	1254 T
WR-PG-21	WLCDRD05PG02121	110	250 T			180	170	300	170	310	1730 T	2110 T
WR-PG-22	WLCDRD05PG02222	31	71 T			44	70	86	42	81	476 T	529.7 JT
WR-PG-23	WLCDRD05PG02323	280	650 T			450	460	720	450	660	4320 T	5247 T
WR-PG-24	WLCDRD05PG02424	120	280 T			170	280	1000	170	940	3250 T	7950 T
WR-PG-26	WLCDRD05PG02626	2 J	4.5 T			3.6	2.9	4.3	2.5	4.8	27.8 JT	31.88 JT
WR-PG-27	WLCDRD05PG02727	60	145 T			90	97	140	88	140	858 T	982 T
WR-PG-29	WLCDRD05PG02929	14	31 T			14	21	39	12	33	179 JT	200.4 JT
WR-PG-30	WLCDRD05PG03030	100	240 T			200	170	340	190	360	1830 T	2238 T
WR-PG-33	WLCDRD05PG03333	4.1	8.4 T			4.8	5.6	8.3	3.5	9.3	49.3 JT	54.04 JT
WR-PG-34	WLCDRD05PG03434	83	183 T			140	130	170	130	170	1160 T	1317 T
WR-PG-35	WLCDRD05PG03535	13	28 T			14	18	23	13	24	151 T	163.8 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
WR-PG-36	WLCDRD05PG03636	5.2	18	15	26	10	18	86	178 T	31	110	210	140
WR-PG-37	WLCDRD05PG03737	4.4	17	5.1	13	10	12	77	139 T	22	84	110	110
WR-PG-39	WLCDRD05PG03939	0.78 J	2 J	1.4 J	2.6	1.4 J	3.1 U	14	22.2 JT	2.5 J	14	17	17
WR-PG-41	WLCDRD05PG04141	0.86 J	4.1	1.2 J	7.3	1.7 J	3.6 U	17	32.2 JT	6.9	23	31	31
WR-PG-42	WLCDRD05PG04242	110 J	1700	200	2100	1400	0.58 U	20000	25500 JT	660	4300	7000	4200
WR-PG-43	WLCDRD05PG04343	0.75 U	0.45 J	0.81 J	1.4 J	0.56 J	3 U	4.6	7.82 JT	1.2 J	6.5	7.1	7.7
WR-PG-45	WLCDRD05PG04545	0.63 U	1.3 J	0.98 J	1.7 J	0.89 J	2.6 U	9.7	14.6 JT	1.9 J	8.8	12	12
WR-PG-47	WLCDRD05PG04747	2.1 J	17	6.1	19	9	5.3 U	74	127 JT	22	120	120	140
WR-PG-48	WLCDRD05PG04848	24	280	28	780	190	53	2100	3460 T	310	1600	2200	1700
WR-PG-50	WLCDRD05PG05050	2000	7600	990	3900	3300	2100	19000	38900 T	820	5300	8400	4900
WR-PG-52	WLCDRD05PG05252	910	3400	1200	1600	1500	3000	7400	19000 T	980	5200	9700	6000
WR-PG-54	WLCDRD05PG05454	24	110	220	610	110	0.89 J	2200	3270 JT	190	1500	1800	1100
WR-PG-56	WLCDRD05PG05656	27	93	110	220	81	79	440	1050 T	150	630	1000	710
WR-PG-58	WLCDRD05PG05858	39	200	120	200	110	110	790	1570 T	300	1000	1800	1400
WR-PG-60	WLCDRD05PG06060	15	34	7.7	14	15	19	63	168 T	9.5	40	56	46
WR-PG-61	WLCDRD05PG06161	7.8	1.2 J	2.3 J	7	3.2	8.1 U	22	43.5 JT	4	34	25	34
WR-PG-62	WLCDRD05PG06262	1.4 J	3	3	6.4	2.3 J	0.77 U	38	54.1 JT	4.6	32	35	39
WR-PG-63	WLCDRD05PG06363	5.4	7.5	9.1	26	12	14 U	79	139 T	14	130	89	140
WR-PG-64	WLCDRD05PG06464	5.2	9.7	44	42	7.8	18	84	211 T	36	200	320	210
WR-PG-66	WLCDRD05PG06666	1.2 J	2 J	2.8 J	4.8	1.4 J	0.88 U	14	26.2 JT	4.5	20	32	26
WR-PG-68	WLCDRD05PG06868	6.5	71	14	30	10	18	66	216 T	24	160	170	170
WR-PG-70	WLCDRD05PG07070	2.4 J	7.6	6.8	19	7.7	0.81 U	67	111 JT	12	93	91	95
WR-PG-72	WLCDRD05PG07272	1.3 J	3.9	3.6	18	7.5	0.93 U	35	69.3 JT	15	130	81	180
WR-PG-74	WLCDRD05PG07474	1.3 J	2.2 J	3.1 J	6	2.6 J	0.9 U	18	33.2 JT	3.4	17	15	50
WR-PG-76	WLCDRD05PG07676	1.1 J	0.87 J	1.3 J	2 J	1.1 J	4.7 U	9.5	15.9 JT	1.8 J	8.3	9.3	9.8
WR-PG-78	WLCDRD05PG07878	1.9 J	1.6 J	2.5 J	2.8 J	1.9 J	8.5 U	12	22.7 JT	2.1 J	9.2	11	12
WR-PG-80	WLCDRD05PG08080	1.2 J	0.77 J	1.8 J	2 J	1.1 J	5.5 U	7.7	14.6 JT	2 J	8.4	10	9.8
WR-PG-82	WLCDRD05PG08282	1.6 J	1.5 J	2.9	3.9	2.2 J	6.6 U	17	29.1 JT	3.2	13	17	17
WR-PG-84	WLCDRD05PG08484	1.8 J	1.8 J	2.6 J	3.4	2.1 J	0.85 U	13	24.7 JT	2.7 J	14	16	16
WR-PG-86	WLCDRD05PG08686	1.1 J	0.73 J	1.2 J	1.5 J	1 J	0.92 U	6.2	11.7 JT	1.2 J	5.3	5.8	6.5
WR-PG-88	WLCDRD05PG08888	0.96 U	1.1 J	1.2 J	2 J	1.2 J	0.99 U	12	17.5 JT	1.2 J	7.7	7.3	8.6
WR-PG-90	WLCDRD05PG09090	2.1 J	2 J	2.6 J	4	2.3 J	10	19	42 JT	2.5 J	13	14	15
WR-PG-92	WLCDRD05PG09292	1.5 J	1.4 J	2.6 J	4.8	2.1 J	7.8 U	14	26.4 JT	1.7 J	9.6	11	12
WR-PG-94	WLCDRD05PG09494	0.94 U	0.61 J	0.94 J	1.6 J	0.95 J	4.4 U	7.1	11.2 JT	1 J	6.1	6.6	6.4
WR-PG-96	WLCDRD05PG09696	1.4 J	1.2 J	1.3 J	2.7 J	1.8 J	5.9 U	13	21.4 JT	1.5 J	7.7	8.2	10
WR-PG-98	WLCDRD05PG09898	0.96 J	0.92 J	1.1 J	1.4 J	1 J	5.7 U	6.3	11.7 JT	1.1 J	5	5.5	6
WR-PG-100	WLCDRD05PG100100	3.9	8.9	3.8 J	7.4	6.3	13	28	71.3 JT	2.5 J	19	28	22
WR-PG-102	WLCDRD05PG102102	7.2	11	3.6	10	11	24	43	110 T	2.3 J	16	17	17
WR-PG-104	WLCDRD05PG104104	5	2.9 J	2.3 J	4.5	4.3	12	25	56 JT	3 J	17	19	20
WR-PG-106	WLCDRD05PG106106	22	25	14	31	29	50	150	321 T	11	64	61	67
WR-PG-108	WLCDRD05PG108108	4.2	7.4	10	56	13	9.7 U	99 J	190 JT	14	110	78	97
WR-PG-112	WLCDRD05PG112112	1.6 J	1.5 J	2.3 J	3.5	1.7 J	7.7 U	11	21.6 JT	2.1 J	12	14	15
WR-PG-114	WLCDRD05PG114114	1.1 J	1.5 J	2.8 J	3.9	1.8 J	5.4 U	9.2	20.3 JT	1.7 J	7.5	8.3	9.4
WR-PG-116	WLCDRD05PG116116	0.93 J	0.85 J	1.9 J	1.8 J	0.9 J	6.1 U	6.1	12.5 JT	1.2 J	6.7	7.2	7.1
WR-PG-118	WLCDRD05PG118118	1.1 J	0.73 J	0.82 J	1.3 J	0.93 J	5.7 U	5.4	10.3 JT	0.98 J	4.7	5.1	5.5
WR-PG-120	WLCDRD05PG120120	1.4 J	0.83 J	0.97 J	2.6 J	1.6 J	7.4 U	8.2	15.6 JT	1.1 J	5.8	6.1	6.3
WR-PG-122	WLCDRD05PG122122	5.5	7	4.2	18	8.6	12 U	59	102 T	5.4	36	33	30
WR-PG-124	WLCDRD05PG124124	1.1 J	1.6 J	1.6 J	3.6	1.5 J	5.4 U	14	23.4 JT	1.4 J	9.3	9.4	8.7
WR-PG-126	WLCDRD05PG126126	1 J	1.1 J	1.2 J	1.6 J	1 J	4 U	16	21.9 JT	1.3 J	7.9	8	8.1
WR-PG-128	WLCDRD05PG128128	2.5 J	2.2 J	2.6 J	4.9	2 J	6.4 U	20	34.2 JT	2.9	19	22	18
WR-PG-130	WLCDRD05PG130130	440	160	71	270	230	320	1500	2990 T	41	300	330	140
WR-PG-132	WLCDRD05PG132132	1.5 J	0.93 J	2.2 J	3.2 J	1.5 J	6.8 U	16	25.3 JT	2.2 J	14	15	13
WR-PG-134	WLCDRD05PG134134	1 J	1.9 J	3.5	3.8	1.4 J	5 U	10	21.6 JT	2.9	16	18	17
WR-PG-45	WLCDRD05PG135135Dup	0.83 J	0.81 J	0.85 J	1.8 J	0.82 J	3.5 U	7.8	12.9 JT	1.8 J	12	13	12
WR-PG-39	WLCDRD05PG136136Dup	0.94 J	2.6	1.3 J	2.7	1.4 J	4.3 U	12	20.9 JT	2.9	17	20	20
WR-PG-27	WLCDRD05PG137137Dup	3.9	23	5.3	20	19	10 U	72	143 T	13	63	73	71
WR-PG-48	WLCDRD05PG138138Dup	25	120	45	250	110	67	730	1350 T	90	450	590	390
WR-PG-36	WLCDRD05PG139139Dup	7.7	15	13	22	12	24	74	168 T	25	87	150	110
WR-PG-06	WLCDRD05PG140140Dup	4.2	7.1	9.5	13	5.5	17	43	99.3 T	11	48	86	61
WR-PG-01	WLCDRD05PG141141Dup	1.8 J	2 J	2.3 J	3.6	1.9 J	8.2 U	12	23.6 JT	2.9 J	12	19	16
WR-PG-Ref01	WLCDRD05PGR01Ref01	0.54 U	0.26 U	0.35 U	13	0.79 J	0.56 U	8.1	21.9 JT	2 J	28	13	7.1
WR-PG-Ref02	WLCDRD05PGR02Ref02	0.53 U	0.25 U	0.34 U	0.43 J	0.3 U	0.55 U	1.5 J	1.93 JT	0.41 U	2.7	2.2	2.2
WR-PG-Ref03	WLCDRD05PGR03Ref03	0.73 U	0.34 U	0.47 U	0.47 U	0.41 U	0.75 U	1 J	1 JT	0.56 U	1.6 J	1.6 J	1.6 J
HC-REF-01	WLCDRI03CREF01CREF01	2.3 U	1.9 UJ	2.7 UJ	2.7 UJ	3.2 UJ	4.1 J	4.3 J	8.4 JT	4.2 UJ	4.6 J	6.9 J	4.7 UJ
HC-REF-02	WLCDRI03CREF02CREF02	2.4 UJ	2 UJ	2.8 UJ	2.8 UJ	3.4 UJ	3.2 J	3.9 J	7.1 JT	4.4 UJ	5 J	3.5 J	4.9 UJ
REFSAMP	WLCGAF00EFSAMPGACREF	10 U	10 U	1 J	3 J	1 J	2 J	10 J	17 JT	3 J	16	23	22
GAC-001	WLCGAF00GAC001GAC001	15	120	9 J	430	170	19	2200	2960 JT	85	740	640	720
GAC-002	WLCGAF00GAC002GAC002	3 J	6 J	1 J	5 J	5 J	3 J	33	56 JT	2 J	19	16	24
GAC-003	WLCGAF00GAC003GAC003	5 J	17	2 J	17	19	5 J	110	175 JT	7 J	77	70	95
GAC-004	WLCGAF00GAC004GAC004	6 J	38	2 J	25	48	7 J	370	496 JT	4 J	89	45	66
GAC-005	WLCGAF00GAC005GAC005	10 U	10 U	10 U	2 J	1 J	1 J	8 J	12 JT	1 J	8 J	8 J	10 J
GA-PD01	WLCGAL00GAPD01GAPD01	11 U	42	11 U	41	33	13	230	359 T	19	120	120	100
GA-PD02	WLCGAL00GAPD02APD02D	240	780	9.7 U	450	590	330	2000	4390 T	540	2800	3100	3100
GA-PD02	WLCGAL00GAPD02GAPD02	170	710	30	600	520	270	3400	5700 T	780	3700	5000	4600
GA-UP-OF	WLCGAL00GAUPOFGAUPOF	20	17	11	37	17	20	91	213 T	36	120	200	180
A2GS09	WLCGNG03A2GS09A2GS09	3300 U	67 U	67 U	67 U	67 U	67 U	67 U	3300 UT	67 U	67 U	67 U	67 U
A2GS10	WLCGNG03A2GS10A2GS10	1650 U	26.8 U	26.8 U	26.8 U	26.8 U	26.8 U	58.7	58.7 T	26.8 U	78.9	109	97.7
A2GS11	WLCGNG03A2GS11A2GS11	1650 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	1650 UT	13.4 U	13.4 U	21.3	21.2
A2GS12	WLCGNG03A2GS12A2GS12	6600 U	515	335 U	834	616	200 U	4820	6790 T	335 U	1880	1670	1500
AN-1-1	WLCGSD01AN0101_00-10		8500 J	980	7700	4200	1700 J	29000	52100 JT	1200	12000	18000	9300
AN-1-2	WLCGSD01AN0102_00-10		52000 J	1300	23000	21000	6500 J	120000	224000 JT	2200	23000	37000	19000

BZTO104(e)028694

Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WR-PG-36	WLCDRD05PG03636	100	240 T			220	150	200	210	220	1590 T	1768 T
WR-PG-37	WLCDRD05PG03737	79	189 T			100	110	170	100	150	1040 T	1179 T
WR-PG-39	WLCDRD05PG03939	15	32 T			17	20	32	15	33	183 JT	205.2 JT
WR-PG-41	WLCDRD05PG04141	26	57 T			30	37	42	28	57	292 T	324.2 JT
WR-PG-42	WLCDRD05PG04242	3600	7800 T			7100	5800	20000	6600	25000	84300 T	109800 JT
WR-PG-43	WLCDRD05PG04343	5.5	13.2 T			6.6	9.3	10	5.9	10	69.8 JT	77.62 JT
WR-PG-45	WLCDRD05PG04545	9.5	21.5 T			13	14	23	11	22	127 JT	141.6 JT
WR-PG-47	WLCDRD05PG04747	110	250 T			90	170	340	98	250	1460 T	1587 JT
WR-PG-48	WLCDRD05PG04848	1400	3100 T			1700	1800	4700	2000	4200	21600 T	25060 T
WR-PG-50	WLCDRD05PG05050	4400	9300 T			8100	6700	16000	7700	19000	81300 T	120200 T
WR-PG-52	WLCDRD05PG05252	4800	10800 T			9600	6700	9900	9100	12000	74000 T	93000 T
WR-PG-54	WLCDRD05PG05454	950	2050 T			1500	1900	3100	1500	3700	17200 T	20470 JT
WR-PG-56	WLCDRD05PG05656	590	1300 T			910	810	940	890	950	7580 T	8630 T
WR-PG-58	WLCDRD05PG05858	1100	2500 T			1600	1400	1800	1700	1700	13800 T	15370 T
WR-PG-60	WLCDRD05PG06060	40	86 T			52	55	92	50	92	533 T	701 T
WR-PG-61	WLCDRD05PG06161	24	58 T			19	57	43	19	39	298 T	341.5 JT
WR-PG-62	WLCDRD05PG06262	31	70 T			33	63	160	30	130	558 T	612.1 JT
WR-PG-63	WLCDRD05PG06363	86	226 T			70	190	210	72	180	1180 T	1319 T
WR-PG-64	WLCDRD05PG06464	170	380 T			300	260	440	270	480	2690 T	2901 T
WR-PG-66	WLCDRD05PG06666	22	48 T			33	29	38	30	42	277 T	303.2 JT
WR-PG-68	WLCDRD05PG06868	130	300 T			150	250	380	150	350	1930 T	2146 T
WR-PG-70	WLCDRD05PG07070	85	180 T			69	150	180	72	150	997 T	1108 JT
WR-PG-72	WLCDRD05PG07272	84	264 T			48	160	130	53	96	977 T	1046.3 JT
WR-PG-74	WLCDRD05PG07474	24	74 T			17	73	93	17	62	371 T	404.2 JT
WR-PG-76	WLCDRD05PG07676	7.9	17.7 T			9.9	12	21	8.8	20	109 JT	124.9 JT
WR-PG-78	WLCDRD05PG07878	11	23 T			13	15	25	11	24	133 JT	155.7 JT
WR-PG-80	WLCDRD05PG08080	8	17.8 T			11	13	19	9.5	19	110 JT	124.6 JT
WR-PG-82	WLCDRD05PG08282	14	31 T			19	19	31	17	28	178 T	207.1 JT
WR-PG-84	WLCDRD05PG08484	14	30 T			15	24	30	13	29	174 JT	198.7 JT
WR-PG-86	WLCDRD05PG08686	5.3	11.8 T			7.1	8.1	15	5.4	14	73.7 JT	85.4 JT
WR-PG-88	WLCDRD05PG08888	7.9	16.5 T			7.6	14	27	6.2	25	113 JT	130.5 JT
WR-PG-90	WLCDRD05PG09090	15	30 T			16	21	38	13	35	183 JT	225 JT
WR-PG-92	WLCDRD05PG09292	9.3	21.3 T			13	15	26	9.4	25	132 JT	158.4 JT
WR-PG-94	WLCDRD05PG09494	6.4	12.8 T			7	9.6	17	5.5	17	82.6 JT	93.8 JT
WR-PG-96	WLCDRD05PG09696	10	20 T			9.5	15	30	7.4	26	125 JT	146.4 JT
WR-PG-98	WLCDRD05PG09898	5.7	11.7 T			6.2	8.2	13	4.8	13	68.5 JT	80.2 JT
WR-PG-100	WLCDRD05PG100100	21	43 T			33	29	50	28	51	284 JT	355.3 JT
WR-PG-102	WLCDRD05PG102102	16	33 T			18	24	51	14	46	221 JT	331 JT
WR-PG-104	WLCDRD05PG104104	20	40 T			19	28	52	17	46	241 JT	297 JT
WR-PG-106	WLCDRD05PG106106	55	122 T			57	110	280	54	210	969 T	1290 T
WR-PG-108	WLCDRD05PG108108	82	179 T			52	180	350 J	61	250 J	1270 JT	1460 JT
WR-PG-112	WLCDRD05PG112112	12	27 T			14	16	21	12	20	138 JT	159.6 JT
WR-PG-114	WLCDRD05PG114114	7.6	17 T			13	11	19	11	17	106 JT	126.3 JT
WR-PG-116	WLCDRD05PG116116	5.8	12.9 T			7.6	9.4	14	6.2	14	79.2 JT	91.7 JT
WR-PG-118	WLCDRD05PG118118	4.3	9.8 T			5.1	8.6	11	4.6	10	59.9 JT	70.2 JT
WR-PG-120	WLCDRD05PG120120	4.7	11 T			6.6	8.4	15	5.9	13	72.9 JT	88.5 JT
WR-PG-122	WLCDRD05PG122122	27	57 T			26	57	76	25	69	384 T	486 T
WR-PG-124	WLCDRD05PG124124	7.5	16.2 T			8.6	12	22	7.7	22	109 JT	132.4 JT
WR-PG-126	WLCDRD05PG126126	7	15.1 T			7	12	26	6.5	21	105 JT	126.9 JT
WR-PG-128	WLCDRD05PG128128	16	34 T			17	24	38	17	40	214 T	248.2 JT
WR-PG-130	WLCDRD05PG130130	170	310 T			180	350	620	180	950	3260 T	6250 T
WR-PG-132	WLCDRD05PG132132	11	24 T			12	19	33	10	32	161 JT	186.3 JT
WR-PG-134	WLCDRD05PG134134	14	31 T			16	22	31	14	32	183 T	204.6 JT
WR-PG-45	WLCDRD05PG135135Dup	12	24 T			11	16	22	9.5	21	130 JT	142.9 JT
WR-PG-39	WLCDRD05PG136136Dup	17	37 T			19	23	35	18	34	206 T	226.9 JT
WR-PG-27	WLCDRD05PG137137Dup	56	127 T			74	91	150	72	140	803 T	946 T
WR-PG-48	WLCDRD05PG138138Dup	360	750 T			550	560	1100	560	1100	5750 T	7100 T
WR-PG-36	WLCDRD05PG139139Dup	79	189 T			150	120	170	150	180	1220 T	1388 T
WR-PG-06	WLCDRD05PG140140Dup	52	113 T			97	71	98	92	110	726 T	825.3 T
WR-PG-01	WLCDRD05PG141141Dup	12	28 T			21	18	25	18	30	174 JT	197.6 JT
WR-PG-Ref01	WLCDRD05PGR01Ref01	15	22.1 T			4.5	65	8.2	5.3	6.5	155 JT	176.9 JT
WR-PG-Ref02	WLCDRD05PGR02Ref02	1.6 J	3.8 T			1.3 J	2.4	5.3	1.3 J	4.7	23.7 JT	25.63 JT
WR-PG-Ref03	WLCDRD05PGR03Ref03	1.6 J	3.2 T			1.8 J	2.1 J	2.7	1.3 J	2.7 J	17 JT	18 JT
HC-REF-01	WLCDRI03CREF01CREF01	4.7 UJ	4.7 UJT			5.8 J	6 J	8.3 J	6.2 J	7.7 J	45.5 JT	53.9 JT
HC-REF-02	WLCDRI03CREF02CREF02	4.9 UJ	4.9 UJT			4.6 UJ	5.5 J	9.4 J	4.1 J	8.3 J	35.8 JT	42.9 JT
REFSAMP	WLCGAF00EFSAMPGACREF	16	38 T			19	23	28	19	32	201 JT	218 JT
GAC-001	WLCGAF00GAC001GAC001	540	1260 T			290	900	3000	370	2300	9590 T	12550 JT
GAC-002	WLCGAF00GAC002GAC002	14	38 T			10	26	69	10 J	55	245 JT	301 JT
GAC-003	WLCGAF00GAC003GAC003	52	147 T			26	78	200	31	160	796 JT	971 JT
GAC-004	WLCGAF00GAC004GAC004	42	108 T			16	74	640	21	380	1380 JT	1876 JT
GAC-005	WLCGAF00GAC005GAC005	7 J	17 T			6 J	12	19	6 J	18	95 JT	107 JT
GA-PD01	WLCGAL00GAPD01GAPD01	100	200 T			82	130	310	96	280	1360 T	1719 T
GA-PD02	WLCGAL00GAPD02APD02D	2300	5400 T			2100	3200	4200	2400	3700	27400 T	31790 T
GA-PD02	WLCGAL00GAPD02GAPD02	3400	8000 T			3500	4000	6000	4000	5300	40300 T	46000 T
GA-UP-OF	WLCGAL00GAUPOFGAUPOF	170	350 T			130	190	150	150	180	1510 T	1723 T
A2GS09	WLCGNG03A2GS09A2GS09	67 U	67 UT			67 U	67 U	67 U	67 U	71.1	71.1 T	71.1 T
A2GS10	WLCGNG03A2GS10A2GS10	71.1	169 T			113	107	149	81.4	179	986 T	1044.7 T
A2GS11	WLCGNG03A2GS11A2GS11	22.9	44.1 T			29.5	19.3	20.6	20.9	31.9	188 T	188 T
A2GS12	WLCGNG03A2GS12A2GS12	1540	3040 T			1140	2080	4900	974	3950	19600 T	26390 T
AN-1-1	WLCGSD01AN0101_00-10	11000	20300 T			13000	16000	35000	10000	55000	181000 T	233100 JT
AN-1-2	WLCGSD01AN0102_00-10	21000	40000 T			31000	31000	86000	26000	120000	396000 T	620000 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
AN-1-3	WLCGSD01AN0103_00-10		180000 J	8800	160000	110000	73000 J	240000	772000 JT	6400	100000	93000	46000
AN-1-5	WLCGSD01AN0105_00-10		59 J	7.1	47	25	130 J	170	438 JT	14	89	150	86
AN-2-1	WLCGSD01AN0201_00-10		2900 J	220	1800	1300 J	15000	8100 J	29300 JT	220 J	2000 J	3000 J	1600 J
AN-2-2	WLCGSD01AN0202_00-10		45000	2500	55000	43000	14000	270000	430000 JT	1900	29000	23000	11000
AN-2-3	WLCGSD01AN0203_00-10		90000	2400	52000	50000	180000	280000	654000 JT	2500	35000	39000	20000
AN-2-4	WLCGSD01AN0204_00-10		26000	1400	23000	11000	14000	94000	169000 JT	2400	24000	31000	17000
AN-2-5	WLCGSD01AN0205_00-10		28	14	71	24	24	190	351 JT	28	210	270	190
SED01	WLCGXB02SED01SED01	330 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	15.4	15.4 T	13.4 U	13.4 J	13.4 J	13.7
SED03	WLCGXB02SED03SED03	2640 U	134 U	134 J	134 J	134 U	134 U	169	437 JT	134 J	371	559	450
S1	WLCGXV99S1S1_10	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 UT	330 U	330 U	330 U	330 U
S2	WLCGXV99S2S2_10	1650 U	1650 U	1650 U	1650 U	1650 U	1650 U	2250	2250 T	1650 U	1650 U	1650 U	1650 U
S3	WLCGXV99S3S3_10	3370 U	3370 U	3370 U	3370 U	3370 U	3370 U	3370 U	3370 UT	3370 U	3370 U	3370 U	3370 U
S4	WLCGXV99S4S4_10	660 U	660 U	660 U	660 U	660 U	660 U	660 U	660 UT	660 U	660 U	660 U	660 U
SD11	WLCITH98SD11SD11	5 U	10 U	38	19	10 U	5 U	54	111 T	61	340	520	330
SD12	WLCITH98SD12SD12	5 U	10 U	10 U	21	10 U	5 U	79	100 T	28	130	160	160
SED01-01	WLCMBA01ED0101ED0101		64.1 U	64.1 U	64.1 U	64.1 U	64.1 U	93.1	93.1 JT	160 U	77.8	160 U	160 U
SED01-02	WLCMBA01ED0102ED0102		79.4	13.4 U	25.6	58.7	386	116	666 JT	13.4 U	31.1	21.4	34
SED01-03	WLCMBA01ED0103ED0103		28.4 U	28.4 U	28.4 U	28.4 U	28.4 U	43.5	43.5 JT	28.4 U	41	40.6	56.4
SED01-03	WLCMBA01ED0103ED0140		29 U	29 U	29 U	29 U	29 U	64.3	64.3 JT	29 U	55.7	52.1	71.5
SED01-04	WLCMBA01ED0104ED0104		27.1 U	27.1 U	27.1 U	27.1 U	27.1 U	51.6	51.6 JT	27.1 U	40.6	35.8	65.6
SED01-05	WLCMBA01ED0105ED0105		57.2 U	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U	57.2 UT	57.2 U	57.2 U	57.2 U	66.9
SED01-06	WLCMBA01ED0106ED0106		72.1	57.9 U	60.5	74.4	57.9 U	197	404 JT	57.9 U	168	146	214
SED01-07	WLCMBA01ED0107ED0107		20800	3010 U	6140	15800	161	39200	82100 JT	150 U	3340	1110	1530
SED01-08	WLCMBA01ED0108ED0108		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	19.3	17.1	14.3
SED01-09	WLCMBA01ED0109ED0109		148	20.8	38.6	38.1	22.2	278	546 JT	19.3	140	128	151
SED01-10	WLCMBA01ED0110ED0110		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	15.3	13.4 U	13.4 U
SED01-11	WLCMBA01ED0111ED0111		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED01-12	WLCMBA01ED0112ED0112		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED01-13	WLCMBA01ED0113ED0113		43900	3800 U	11800	34500	369	83000	174000 JT	185	6080	1850	2490
SED01-13	WLCMBA01ED0113ED0141		52800	3570 U	13500	41600	3570 U	98000	206000 JT	3570 U	7080	3570 U	3570 U
SED01-14	WLCMBA01ED0114ED0114		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED01-15	WLCMBA01ED0115ED0115		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED01-16	WLCMBA01ED0116ED0116		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED01-17	WLCMBA01ED0117ED0117		384	30.9	90.7	211	22.4	242	981 JT	61	541	412	319
SED01-18	WLCMBA01ED0118ED0118		209	57.9 U	72.5	181	57.9 U	587	1050 JT	57.9 U	259	171	240
SED01-19	WLCMBA01ED0119ED0119		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	15.1
SED01-20	WLCMBA01ED0120ED0120		804	26.8 U	161	627	81.8	1540	3210 JT	26.8 U	271	141	203
SED01-21	WLCMBA01ED0121ED0121		18	13.4 U	13.4 U	13.4 U	13.4 U	31.2	49.2 JT	13.4 U	24.4	27.4	27.1
SED01-22	WLCMBA01ED0122ED0122		91.9	36.8	268 U	36.2	23.4	1730	1920 JT	34.1	271	231	193
SED01-23	WLCMBA01ED0123ED0123		53.9 U	53.9 U	53.9 U	53.9 U	53.9 U	154	154 JT	53.9 U	90.6	75.4	113
SED01-23	WLCMBA01ED0123ED0145		52.5	26.8 U	59.8	66.4	26.8 U	375	554 JT	26.8 U	115	80.8	95.5
SED01-24	WLCMBA01ED0124ED0124		36	15.7	40.1	22.3	31.5	384	530 JT	26	163	150	157
SED01-25	WLCMBA01ED0125ED0125		73.1	13.4 U	22.9	27.6	13.4 U	105	229 JT	13.4 U	90.2	86.7	72
SED01-26	WLCMBA01ED0126ED0126		140 U	140 U	155	140 U	140 U	617	772 JT	140 U	235	195	194
SED01-27	WLCMBA01ED0127ED0127		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	19.3	19.3 JT	13.4 U	16.9	18.6	19.8
SED01-28	WLCMBA01ED0128ED0128		2790	35.8	1420 U	2350	35.6	4230	9440 JT	55.9	724	298	644
SED01-29	WLCMBA01ED0129ED0129		7390	3020 U	3640	6740	151 U	21700	39500 JT	151 U	3190	1180	2430
SED01-30	WLCMBA01ED0130ED0130		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
SED099-01	WLCMBJ99D09901D09901		10 U	10 U	10 U	10 U	10 U	16	16 JT	10 U	22	27	37
SED099-02	WLCMBJ99D09902D09902		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	11	12	17
SED099-03	WLCMBJ99D09903D09903		10 U	10 U	10 U	10 U	10 U	14	14 JT	10 U	16	15	23
SED099-04	WLCMBJ99D09904D09904		2940	100 U	774	1900	529	4370	10500 JT	100 U	516	216	397
SED099-05	WLCMBJ99D09905D09905		10 U	10 U	17	19	10 U	36	72 JT	10 U	52	40	59
SED099-06	WLCMBJ99D09906D09906		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
SED099-07	WLCMBJ99D09907D09907		5700	100 U	1520	3890	126	8950	20200 JT	100 U	1080	387	717
SED099-08	WLCMBJ99D09908D09908		29600	1000 U	5700	18300	40600	36200	130000 JT	1000 U	2640	1000 U	1200
SED099-09	WLCMBJ99D09909D09909		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	15
SED099-09	WLCMBJ99D09909D09953		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	13
SED099-10	WLCMBJ99D09910D09910		240	10 U	25	62	58	33	418 JT	10 U	109	45	80
SED099-11	WLCMBJ99D09911D09911		10 U	10 U	10 U	10 U	10 U	11	11 JT	10 U	18	18	26
SED099-12	WLCMBJ99D09912D09912		6290	34	965	3850	225	7570	18900 JT	16	539	176	281
SED099-13	WLCMBJ99D09913D09913		88	23	126	42	30	231	540 JT	17	162	153	136
SED099-14	WLCMBJ99D09914D09914		10 U	10 U	10 U	10 U	10 U	35	35 JT	10 U	31	33	35
SED099-15	WLCMBJ99D09915D09915		17	10 U	18	17	10 U	80	132 JT	10 U	43	29	50
SED099-16	WLCMBJ99D09916D09916		82	14	101	75	42	388	702 JT	18	186	145	361
SED099-16	WLCMBJ99D09916D09951		131	16	141	97	75	213	673 JT	18	254	173	358
SED099-17	WLCMBJ99D09917D09917		86200	1000 U	16600	56400	3630	120000	283000 JT	1000 U	7930	2210	3640
SED099-18	WLCMBJ99D09918D09918		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	17	14	33
SED099-19	WLCMBJ99D09919D09919		10 U	10 U	10 U	10 U	10 U	80	80 JT	10 U	32	23	41
SED099-20	WLCMBJ99D09920D09920		2350	94	1190	2080	86	8240	14000 JT	58	1330	570	1440
SED099-21	WLCMBJ99D09921D09921		107	13	95	91	54	190	550 JT	13	167	128	243
SED099-22	WLCMBJ99D09922D09922		10 U	10 U	13	10 U	10 U	13	26 JT	10 U	28	20	71
SED099-23	WLCMBJ99D09923D09923		43	19	343	49	18	332	804 JT	21	598	256	467
SED099-24	WLCMBJ99D09924D09924		14	10 U	42	18	13	44	131 JT	10 U	93	60	103
SED099-25	WLCMBJ99D09925D09925		39	10 U	46	36	20	60	201 JT	14	82	102	235
SED099-26	WLCMBJ99D09926D09926		10 U	10 U	10	10 U	10 U	21	31 JT	10 U	20	21	30
SED099-26	WLCMBJ99D09926D09952		10 U	10 U	10 U	10 U	10 U	14	14 JT	10 U	12	11	16
SED099-27	WLCMBJ99D09927D09927		37	10 U	65	60	61	86	309 JT	10	112	68	128
SED099-28	WLCMBJ99D09928D09928		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	11	31
SED099-29	WLCMBJ99D09929D09929		112	14	177	107	55	333	798 JT	37	441	256	511
SED099-30	WLCMBJ99D09930D09930		10 U	10 U	12	11	10	35	68 JT	10 U	32	32	46

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
AN-1-3	WLCGSD01AN0103_00-10	62000	108000 T			54000	140000	320000	46000	190000	1060000 T	1832000 JT
AN-1-5	WLCGSD01AN0105_00-10	89	175 T			130	120	180	110	270	1240 T	1678 JT
AN-2-1	WLCGSD01AN0201_00-10	2100 J	3700 T			2500	2900	6500	1900	8800	31500 JT	60800 JT
AN-2-2	WLCGSD01AN0202_00-10	16000	27000 T			12000	39000	85000	9600	130000	357000 T	787000 JT
AN-2-3	WLCGSD01AN0203_00-10	28000	48000 T			26000	47000	130000	22000	200000	550000 T	1204000 JT
AN-2-4	WLCGSD01AN0204_00-10	21000	38000 T			23000	32000	71000	20000	100000	341000 T	510000 JT
AN-2-5	WLCGSD01AN0205_00-10	190	380 T			240	300	530	200	650	2810 T	3161 JT
SED01	WLCGXB02SED01SED01	13.4 J				13.4 J	14.3	33	13.4 J	27.1	155 JT	170.4 JT
SED03	WLCGXB02SED03SED03	397				657	512	552	419	798	4850 JT	5287 JT
S1	WLCGXV99S1S1_10	330 U	330 UT			330 U	330 U	330 U	330 U	330 U	330 UT	330 UT
S2	WLCGXV99S2S2_10	1650 U	1650 UT			1750	1650 U	2660	1650 U	4260	8670 T	10920 T
S3	WLCGXV99S3S3_10	3370 U	3370 UT			3370 U	3370 U	3370 U	3370 U	3710	3710 T	3710 T
S4	WLCGXV99S4S4_10	660 U	660 UT			660 U	660 U	660 U	660 U	660 U	660 UT	660 UT
SD11	WLCITH98SD11SD11	280				300	420	250	490	350	3340 T	3451 T
SD12	WLCITH98SD12SD12	110				120	150	200	190	210	1460 T	1560 T
SED01-01	WLCMBA01ED0101ED0101	160 U	160 UT			160 U	126	138	160 U	158	500 T	593.1 JT
SED01-02	WLCMBA01ED0102ED0102	17.9	51.9 T			13.4 U	33	92.5	13.4 U	77.3	307 T	973 JT
SED01-03	WLCMBA01ED0103ED0103	39.7	96.1 T			28.4 U	58.5	95.4	28.4 U	89.3	421 T	464.5 JT
SED01-03	WLCMBA01ED0103ED0140	41	113 T			37.1	71.7	133	32.4	111	606 T	670.3 JT
SED01-04	WLCMBA01ED0104ED0104	41	107 T			27.1 U	70.3	109	27.1 U	89.4	452 T	503.6 JT
SED01-05	WLCMBA01ED0105ED0105	57.2 U	66.9 T			57.2 U	70.4	116	57.2 U	117	370 T	370 T
SED01-06	WLCMBA01ED0106ED0106	126	340 T			67.7	239	291	68.3	280	1600 T	2004 JT
SED01-07	WLCMBA01ED0107ED0107	1090	2620 T			308	3370	20100	342	13600	44800 T	126900 JT
SED01-08	WLCMBA01ED0108ED0108	14.8	29.1 T			13.4 U	19.2	25.5	13.4 U	28.3	139 T	139 T
SED01-09	WLCMBA01ED0109ED0109	96.5	248 T			73.3	179	363	65.6	379	1590 T	2136 JT
SED01-10	WLCMBA01ED0110ED0110	13.4 U	13.4 UT			13.4 U	17	22.1	13.4 U	26.5	80.9 T	80.9 T
SED01-11	WLCMBA01ED0111ED0111	13.4 U	13.4 UT			13.4 U	13.4 U	26.9	13.4 U	24	50.9 T	50.9 T
SED01-12	WLCMBA01ED0112ED0112	13.4 U	13.4 UT			13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 UT
SED01-13	WLCMBA01ED0113ED0113	1770	4260 T			474	5650	40400	498	22700	82100 T	256100 JT
SED01-13	WLCMBA01ED0113ED0141	3570 U	3570 UT			3570 U	6940	44000	3570 U	24300	82300 T	288300 JT
SED01-14	WLCMBA01ED0114ED0114	13.4 U	13.4 UT			13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 UT
SED01-15	WLCMBA01ED0115ED0115	13.4 U	13.4 UT			13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 UT
SED01-16	WLCMBA01ED0116ED0116	13.4 U	13.4 UT			13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 UT
SED01-17	WLCMBA01ED0117ED0117	299	618 T			169	455	712	184	555	3710 T	4691 JT
SED01-18	WLCMBA01ED0118ED0118	174	414 T			73.4	281	731	74	581	2580 T	3630 JT
SED01-19	WLCMBA01ED0119ED0119	13.4 U	15.1 T			13.5	17.9	23.5	13.4 U	21.1	91.1 T	91.1 T
SED01-20	WLCMBA01ED0120ED0120	146	349 T			50.9	280	967	52	696	2810 T	6020 JT
SED01-21	WLCMBA01ED0121ED0121	19.3	46.4 T			20.9	28.1	44.7	17.7	48.5	258 T	307.2 JT
SED01-22	WLCMBA01ED0122ED0122	146	339 T			175	314	1400	141	1250	4160 T	6080 JT
SED01-23	WLCMBA01ED0123ED0123	78.6	192 T			53.9 U	118	240	53.9 U	206	922 T	1076 JT
SED01-23	WLCMBA01ED0123ED0145	72.4	168 T			63.5	144	408	53	295	1330 T	1884 JT
SED01-24	WLCMBA01ED0124ED0124	98.2	255 T			115	187	192	97.2	387	1570 T	2100 JT
SED01-25	WLCMBA01ED0125ED0125	60.3	132 T			60	107	210	50.7	179	916 T	1145 JT
SED01-26	WLCMBA01ED0126ED0126	145	339 T			140 U	393	455	140 U	626	2240 T	3012 JT
SED01-27	WLCMBA01ED0127ED0127	17.1	36.9 T			16.8	24.6	36	13.4 U	32.2	182 T	201.3 JT
SED01-28	WLCMBA01ED0128ED0128	262	906 T			102	819	2660	116	1350	7030 T	16470 JT
SED01-29	WLCMBA01ED0129ED0129	1380	3810 T			219	3620	16100	294	9130	37500 T	77000 JT
SED01-30	WLCMBA01ED0130ED0130	13.4 U	13.4 UT			13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 UT
SED099-01	WLCMBJ99D09901D09901	16	53 T			14	28	40	11	39	234 T	250 JT
SED099-02	WLCMBJ99D09902D09902	10 U	17 T			10 U	14	22	10 U	21	97 T	97 T
SED099-03	WLCMBJ99D09903D09903	10 U	23 T			10 U	19	32	10 U	30	135 T	149 JT
SED099-04	WLCMBJ99D09904D09904	144	541 T			100 U	507	2450	100 U	1820	6050 T	16550 JT
SED099-05	WLCMBJ99D09905D09905	28	87 T			19	57	112	16	108	491 T	563 JT
SED099-06	WLCMBJ99D09906D09906	10 U	10 UT			10 U	10 U	16	10 U	17	33 T	33 T
SED099-07	WLCMBJ99D09907D09907	311	1030 T			104	1140	4950	100	3650	12400 T	32600 JT
SED099-08	WLCMBJ99D09908D09908	1000 U	1200 T			1000 U	2460	16700	1000 U	11200	34200 T	164200 JT
SED099-09	WLCMBJ99D09909D09909	10 U	15 T			10 U	12	16	10 U	14	57 T	57 T
SED099-09	WLCMBJ99D09909D09953	10 U	13 T			10 U	10 U	12	10 U	11	36 T	36 T
SED099-10	WLCMBJ99D09910D09910	30	110 T			29	105	268	22	289	977 T	1395 JT
SED099-11	WLCMBJ99D09911D09911	10 U	26 T			17	25	39	12	45	200 T	211 JT
SED099-12	WLCMBJ99D09912D09912	98	379 T			46	508	3190	44	2190	7090 T	25990 JT
SED099-13	WLCMBJ99D09913D09913	52	188 T			84	161	276	68	375	1480 T	2020 JT
SED099-14	WLCMBJ99D09914D09914	15	50 T			22	33	53	17	63	302 T	337 JT
SED099-15	WLCMBJ99D09915D09915	20	70 T			17	55	124	14	97	449 T	581 JT
SED099-16	WLCMBJ99D09916D09916	140	501 T			51	601	1260	53	927	3740 T	4442 JT
SED099-16	WLCMBJ99D09916D09951	111	469 T			45	409	603	46	477	2490 T	3163 JT
SED099-17	WLCMBJ99D09917D09917	1540	5180 T			1000 U	7240	47700	1000 U	32200	102000 T	385000 JT
SED099-18	WLCMBJ99D09918D09918	12	45 T			10 U	23	23	10 U	22	144 T	144 T
SED099-19	WLCMBJ99D09919D09919	13	54 T			10 U	47	153	10 U	107	416 T	496 JT
SED099-20	WLCMBJ99D09920D09920	483	1920 T			121	2320	9340	134	5700	21500 T	35500 JT
SED099-21	WLCMBJ99D09921D09921	95	338 T			41	249	383	40	319	1680 T	2230 JT
SED099-22	WLCMBJ99D09922D09922	22	93 T			18	61	44	18	37	319 T	345 JT
SED099-23	WLCMBJ99D09923D09923	163	630 T			48	657	1620	53	1320	5200 T	6004 JT
SED099-24	WLCMBJ99D09924D09924	40	143 T			16	117	157	16	130	732 T	863 JT
SED099-25	WLCMBJ99D09925D09925	62	297 T			30	221	144	31	121	1040 T	1241 JT
SED099-26	WLCMBJ99D09926D09926	12	42 T			10 U	24	41	10 U	37	185 T	216 JT
SED099-26	WLCMBJ99D09926D09952	10 U	16 T			10 U	15	28	10 U	26	108 T	122 JT
SED099-27	WLCMBJ99D09927D09927	50	178 T			35	144	291	30	260	1130 T	1439 JT
SED099-28	WLCMBJ99D09928D09928	10	41 T			10 U	13	15	10 U	14	94 T	94 T
SED099-29	WLCMBJ99D09929D09929	146	657 T			94	707	798	88	626	3700 T	4498 JT
SED099-30	WLCMBJ99D09930D09930	17	63 T			20	45	71	16	68	347 T	415 JT

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
SED099-31	WLCMBJ99D09931D09931		12	10 U	10 U	10 U	10 U	19	31 JT	10 U	18	19	26
SED099-32	WLCMBJ99D09932D09932		10 U	10 U	16	13	13	28	70 JT	10 U	37	32	50
SED099-33	WLCMBJ99D09933D09933		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10	38
SED099-33	WLCMBJ99D09933D09950		10 U	10 U	37	10 U	10 U	55	92 JT	10 U	22	13	41
SED099-34	WLCMBJ99D09934D09934		10 U	10 U	29	22	20	81	152 JT	10 U	73	49	112
SED099-35	WLCMBJ99D09935D09935		99	10 U	13	57	30	62	261 JT	10 U	20	16	25
SED099-36	WLCMBJ99D09936D09936		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
SED099-37	WLCMBJ99D09937D09937		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	20
SED099-38	WLCMBJ99D09938D09938		10 U	10 U	10 U	10 U	10 U	17	17 JT	10 U	15	16	28
SED099-39	WLCMBJ99D09939D09939		10 U	10 U	10 U	10 U	10 U	19	19 JT	10 U	19	25	33
SED099-40	WLCMBJ99D09940D09940		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	11	12	15
SED099-40	WLCMBJ99D09940D09954		10 U	10 U	10 U	10 U	10 U	11	11 JT	10 U	13	12	17
SED099-41	WLCMBJ99D09941D09941		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
SED099-42	WLCMBJ99D09942D09942		10 U	10 U	10 U	10 U	10 U	71	71 JT	10 U	20	28	32
SED099-43	WLCMBJ99D09943D09943		10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U
SED01	WLCMCB02SED01SED01		26.8 U	26.8 U	70	26.8 U	26.8 U	169	239 JT	52.3	232	236	193
SED02	WLCMCB02SED02SED02		26.8 U	35.2	162	33.5	26.8 U	438	669 JT	114	548	525	500
SED03	WLCMCB02SED03SED03		40.3	26.8 U	71	27.6	26.8 U	254	393 JT	93.1	384	469	484
SD01	WLCMFH00SD01SD01	2 J	29	6 J	29 J	16	4 J	130 J	216 JT	10 J	120	120	170 J
SD02	WLCMFH00SD02SD02	8 J	50	40 J	38 J	46	29 J	130 J	341 JT	10 J	93	100	110 J
SD03	WLCMFH00SD03SD03	10 J	94	33 J	53 J	55	18 J	180 J	443 JT	20 J	110	110	120 J
SD04	WLCMFH00SD04SD04S	35	200	280 J	280	310	140 J	2000	3250 JT	97	2100	2000	2200
SD05	WLCMFH00SD05SD05S	100 J	1500	100 J	820	1600	300 J	15000	19400 JT	400 J	6100	6800	6400
SD06	WLCMFH00SD06SD06S	10 J	83	42 J	46 J	35	19 J	150 J	385 JT	20 J	100	130	130 J
CS004	WLCMRI02CS004CS004	21.5 T	107 T	51 T	140 T	61 T	36 T	520 T	937 T	51.5 T	360 T	450 T	295 T
CS005	WLCMRI02CS005CS005	14 J	57	20	110	43	25	400	669 JT	41	270	350	220
PP011801	WLCOFH0218011801	2.82 U	8.96 U	7.89 U	15.8 J	9.02 J	8.93 J	70.5	104 JT	4.22 U	73.2	59.2	
PP011802	WLCOFH0218021802	33.3	23.8	23.3	30.1	39.5	33.7	22.3	206 T	4.11 U	10.8 U	10.3 U	
PP011803	WLCOFH0218031803	13.1 JT	16.4 JT	9.79 JT	21.2 JT	7.62 UT	10.5 JT	85.8 T	157 JT	3.8 UT	83.3 T	144 T	
PP011805	WLCOFH0218051805	124	65.8	51.2	93.4	122	66.1	273	796 T	4.24 U	265	499	
PP011806	WLCOFH0218061806	147	189	6.85 U	170	7.34 U	132	695	1330 T	3.66 U	405	254	
PP011807	WLCOFH0218071807	210	45	16	37.1	7.14 U	44.5	168	521 T	3.56 U	9.32 U	8.97 U	
PP011808	WLCOFH0218081808	12.4 J	13.5 J	12.3 J	14.3 J	7.87 U	7.88 U	59.2	112 JT	3.92 U	69.4	9.89 U	
PP011809	WLCOFH0218091809	26.7	24.5	16.5	17.5	37.6	17.1	59.1	199 T	3.72 U	60.1	9.37 U	
PP011810	WLCOFH0218101810	3.53 U	11.2 U	9.87 U	5.71 U	10.6 U	12.7 J	46	58.7 JT	5.28 U	13.8 U	13.3 U	
PP01M101	WLCOFH02M101M101	29.9 UJT	94.8 UJT	97.2 JT	101 JT	129 JT	89.7 UJT	169 JT	496 JT	44.6 UJT	117 UJT	112 UJT	
PP01M103	WLCOFH02M103M103	32.3 UJ	102 UJ	90.2 UJ	67.9 J	103 J	96.8 UJ	425 J	596 JT	48.2 UJ	126 UJ	121 UJ	
PP01M104	WLCOFH02M104M104	2.66 U	8.46 U	7.45 U	6.15 J	7.98 U	12.8 J	20.6	39.6 JT	3.98 U	10.4 U	10 U	
PP01M105	WLCOFH02M105M105	27.8 UJ	108 J	77.7 UJ	137 J	130 J	83.4 UJ	369 J	744 JT	41.5 UJ	109 UJ	105 UJ	
PP01M106	WLCOFH02M106M106	26.6 UJ	84.4 UJ	74.3 UJ	102 J	79.6 UJ	79.8 UJ	331 J	433 JT	39.7 UJ	308 J	100 UJ	
PP01M107	WLCOFH02M107M107	2.6 U	8.26 U	7.28 U	4.97 J	7.79 U	7.81 U	14.6 J	19.6 JT	3.89 U	10.2 U	9.8 U	
PP01M108	WLCOFH02M108M108	9.42 J	26.7	21.3	36.1	25.5	14.4 J	313	446 JT	4.4 U	150	136	
PP01M109	WLCOFH02M109M109	15.4 J	20.2	18.6 J	17.3 J	22.4	19.2 J	93.9	207 JT	4.59 U	148	114	
PP01M110	WLCOFH02M110M110	2.49 U	7.9 U	10.7 J	12.1 J	19.7	13.7 J	48.2	104 JT	3.72 U	57.3	9.37 U	
1901	WLCOFJ02190119010	60.3 J	72 J	34.6 J	97.2 J	79.1 J	78.6 J	386 J	808 JT	18.2 UJ	147 J	108 J	
1902	WLCOFJ02190219020	314 J	508 J	22.3 UJ	892 J	766 J	220 J	2170 J	4870 JT	221 J	1210 J	905 J	
1903	WLCOFJ02190319030	44.2	40.1 J	30.4 J	105	40.7 J	108	218	586 JT	21.7 U	108	77.7	
19A01	WLCOFJ0219A0119A010	182 J	251 J	197 J	357 J	215 J	269 J	1060 J	2530 JT	166 J	850 J	735 J	
19A02	WLCOFJ0219A0219A020	75	58	73	99.7	76.1	113	304	799 T	52.1	271	257	
19A03	WLCOFJ0219A0319A030	76.5	60.3	31 J	77.3	52.8	146	265	709 JT	21.4 U	117	99.3	
2201	WLCOFJ02220122010	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 U	16.4 UT	16.4 U	23.6 J	32.8	
2202	WLCOFJ02220222020	22.6 J	36.4 J	50.7 J	184 J	54.1 J	26.8 J	286 J	661 JT	21.7 J	148 J	107 J	
22031	WLCOFJ022203122031	18.5 UJ	18.5 UJ	18.5 UJ	33.8 J	18.5 UJ	18.5 UJ	122 J	156 JT	48.1 J	111 J	144 J	
2203	WLCOFJ02220322030	89.2	20.6 U	354	677	20.6 U	154	1110	2380 T	345	3350	2470	
2204	WLCOFJ02220422040	27.9 U	27.9 U	35.7 J	50.5 J	28.8 J	29.1 J	193	337 JT	27.9 U	106	129	
2205	WLCOFJ02220522050	25.9 U	38.8 J	48.8 J	84.2	40.9 J	34.9 J	276	524 JT	62.1	550	356	
2206	WLCOFJ02220622060	24.5 UJ	33.9 J	24.5 UJ	37.5 J	26.4 J	24.5 UJ	164 J	262 JT	33.6 J	92.7 J	109 J	
22B01	WLCOFJ0222B0122B010	4.14	6.18	17.4	13.8	5.74	14.1	18.1	79.5 T	21.3	59.2	78.4	
22B02	WLCOFJ0222B0222B020	13.3	18.5	22	20.9	11.2	43.4	86.2	216 T	24.5	95.9	157	
22B03	WLCOFJ0222B0322B030	24.8	17.3	143	85.4	22.6	60.1	68	421 T	91.3	189	404	
22B04	WLCOFJ0222B0422B040	8.61	12	10.8	17.6	8.18	10.4	35.7	103 T	29.5	61.2	67.1	
22C01	WLCOFJ0222C0122C010	136	1380	201	1150	501	268	4300	7940 T	2850	7050	8220	
22C02	WLCOFJ0222C0222C020	17.5 J	119 J	71.2 J	250 J	38.3 J	29.5 J	283 J	809 JT	65.7 J	283 J	294 J	
22C03	WLCOFJ0222C0322C030	10.6 T	76.5 T	39 T	104 T	35.5 T	18.5 T	360 T	644 T	93.3 T	466 T	495 T	
22C04	WLCOFJ0222C0422C040	6.5 UJ	12.8 J	7 J	12.8 J	6.5 UJ	14.4 J	28.8 J	75.8 JT	17 J	30 J	64.2 J	
2401	WLCOFJ02240124010	5.48	8.85	17.5	18.7	6.29	9.23	45.8	112 T	16.8	64.3	80.1	
2402	WLCOFJ02240224020	213	220	446	229	133	459	1090	2790 T	236	1370	2120	
2403	WLCOFJ02240324030	43.7	92.9	207	130	51.8	98.9	331	955 T	86.5	495	777	
2404	WLCOFJ02240424040	23.7	34.6	103	54.4	18.3	53.3	146	433 T	49.1	218	401	
2405	WLCOFJ02240524050	98.8	168	178	133	110	219	822	1730 T	75.4	432	773	
4801	WLCOFJ02480148010	108 J	104 J	139 J	302 J	127 J	156 J	416 J	1350 JT	382 J	386 J	533 J	
4802	WLCOFJ02480248020	3.4	4.98	11.3	29.6	6.3	7.34	42.1	105 T	22.9	62.8	53	
4803	WLCOFJ02480348030	13.5	63.9	46.6	136	67	26.4	146	499 T	50.9	149	129	
4804	WLCOFJ02480448040	7.45	21.3	34.3	77.2	29.2	17.6	68.5	256 T	32.2	110	83.7	
4805	WLCOFJ02480548050	1.67 U	5.7	12.4	39.9	10.8	1.68 J	15.7	86.2 JT	1.67 U	85	43.6	
4806	WLCOFJ02480648060	6.91	14.7	50.1	129	37.9	12.1	74	325 T	86	174	154	
4901	WLCOFJ02490149010	6.78 T	1.24 UT	12.2 T	7.82 T	3.18 T	9.4 T	17.1 T	56.5 T	5.13 T	18.9 T	30.6 T	
4902	WLCOFJ02490249020	19.2	10.4	56.9	41.2	12.2	31.2	99.2	270 T	24	123	183	
4903	WLCOFJ02490349030	322	20.7	268	221	71.5	573	373	1850 T	103	497	618	
4904	WLCOFJ02490449040	8.35	3.96	18.7	12.3	4.08	12.9	30.6	90.9 T	12.5	24	43.6	
4905	WLCOFJ02490549050	341	35.1	516	287	87.9	426	354	2050 T	175	987	1010	

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
SED099-31	WLCMBJ99D09931D09931	10 U	26 T			12	22	41	10 U	41	179 T	210 JT
SED099-32	WLCMBJ99D09932D09932	18	68 T			17	46	93	14	89	396 T	466 JT
SED099-33	WLCMBJ99D09933D09933	12	50 T			12 U	15	19	12 U	17	111 T	111 T
SED099-33	WLCMBJ99D09933D09950	13	54 T			11	36	57	11	45	249 T	341 JT
SED099-34	WLCMBJ99D09934D09934	37	149 T			22	147	452	20	361	1270 T	1422 JT
SED099-35	WLCMBJ99D09935D09935	10 U	25 T			10 U	25	67	10 U	55	208 T	469 JT
SED099-36	WLCMBJ99D09936D09936	10 U	10 UT			10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
SED099-37	WLCMBJ99D09937D09937	10 U	20 T			10 U	11	14	10 U	17	62 T	62 T
SED099-38	WLCMBJ99D09938D09938	11	39 T			10 U	26	44	10 U	38	178 T	195 JT
SED099-39	WLCMBJ99D09939D09939	11	44 T			13	24	35	11	33	204 T	223 JT
SED099-40	WLCMBJ99D09940D09940	10 U	15 T			10 U	15	19	10 U	19	91 T	91 T
SED099-40	WLCMBJ99D09940D09954	10 U	17 T			10 U	14	26	10 U	26	108 T	119 JT
SED099-41	WLCMBJ99D09941D09941	10 U	10 UT			10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
SED099-42	WLCMBJ99D09942D09942	11	43 T			18	32	75	14	75	305 T	376 JT
SED099-43	WLCMBJ99D09943D09943	10 U	10 UT			10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
SED01	WLCMCB02SED01SED01	215				173	243	369	160	351	2220 T	2459 JT
SED02	WLCMCB02SED02SED02	504				304	583	896	315	801	5090 T	5759 JT
SED03	WLCMCB02SED03SED03	413				279	444	541	262	525	3890 T	4283 JT
SD01	WLCMFH00SD01SD01	55	225 T			44	140	230 J	58	220 J	1170 JT	1386 JT
SD02	WLCMFH00SD02SD02	38	148 T			56	120	180 J	63	200 J	970 JT	1311 JT
SD03	WLCMFH00SD03SD03	41	161 T			99	130	250 J	100	260 J	1240 JT	1683 JT
SD04	WLCMFH00SD04SD04S	210	2410 T			1700	2300	4100	1600	4100	20400 T	23650 JT
SD05	WLCMFH00SD05SD05S	2400	8800 T			5700	7200	17000	5600	21000	78600 JT	98000 JT
SD06	WLCMFH00SD06SD06S	44	174 T			110	130	210 J	100	240 J	1210 JT	1595 JT
CS004	WLCMRI02CS004CS004	355 T	650 T			420 T	460 T	830 T	370 T	870 T	4460 T	5397 T
CS005	WLCMRI02CS005CS005	280	500 T			340	330	580	270	620	3300 T	3969 JT
PP011801	WLCOFH0218011801		110			42	51.4	155	52.5	127	670 T	774 JT
PP011802	WLCOFH0218021802		7.75 U			2.91 U	10.3 U	239	4.11 U	255	494 T	700 T
PP011803	WLCOFH0218031803		141 T			2.69 UT	106 T	170 T	3.8 UT	165 T	809 T	966 JT
PP011805	WLCOFH0218051805		603			256	353	476	118	536	3110 T	3906 T
PP011806	WLCOFH0218061806		397			2.59 U	419	737	3.66 U	790	3000 T	4330 T
PP011807	WLCOFH0218071807		6.72 U			2.52 U	8.97 U	258	3.56 U	247	505 T	1026 T
PP011808	WLCOFH0218081808		116			2.78 U	9.89 U	143	3.92 U	145	473 T	585 JT
PP011809	WLCOFH0218091809		7.02 U			2.63 U	83.2	101	3.72 U	140	384 T	583 T
PP011810	WLCOFH0218101810		9.96 U			3.74 U	13.3 U	37.6	5.28 U	54.6	92.2 T	150.9 JT
PP01M101	WLCOFH02M101M101		84.3 UJT			31.6 UJT	112 UJT	648 JT	44.6 UJT	624 JT	1270 JT	1766 JT
PP01M103	WLCOFH02M103M103		581 J			34.1 UJ	121 UJ	815 J	48.2 UJ	834 J	2230 JT	2826 JT
PP01M104	WLCOFH02M104M104		35.7			2.82 U	35.2	38.6	3.98 U	48.5	158 T	197.6 JT
PP01M105	WLCOFH02M105M105		78.4 UJ			29.4 UJ	469 J	877 J	41.5 UJ	769 J	2120 JT	2864 JT
PP01M106	WLCOFH02M106M106		716 J			28.1 UJ	450 J	759 J	39.7 UJ	599 J	2830 JT	3263 JT
PP01M107	WLCOFH02M107M107		7.34 U			2.75 U	9.8 U	34	3.89 U	26.4	60.4 T	80 JT
PP01M108	WLCOFH02M108M108		262			130	160	446	126	354	1760 T	2206 JT
PP01M109	WLCOFH02M109M109		229			105	132	220	76	208	1230 T	1437 JT
PP01M110	WLCOFH02M110M110		92.3			2.63 U	53.8	99.6	3.72 U	110	413 T	517 JT
1901	WLCOFJ02190119010		233 J			86 J	225 J	419 J	70.8 J	413 J	1700 JT	2508 JT
1902	WLCOFJ02190219020		1450 J			666 J	1290 J	2980 J	620 J	2870 J	12200 JT	17070 JT
1903	WLCOFJ02190319030		100			104	93.4	245	67.1	261	1060 T	1646 JT
19A01	WLCOFJ0219A0119A010		1140 J			554 J	870 J	1340 J	466 J	1680 J	7800 JT	10330 JT
19A02	WLCOFJ0219A0219A020		417			182	274	523	178	591	2750 T	3549 T
19A03	WLCOFJ0219A0319A030		186			76.4	150	304	67.2	340	1340 T	2049 JT
2201	WLCOFJ02220122010		67.2			47.6	44.2	34.8	33.4	101	385 JT	385 JT
2202	WLCOFJ02220222020		176 J			89 J	193 J	403 J	76.3 J	503 J	1720 JT	2381 JT
22031	WLCOFJ022203122031		271 J			154 J	162 J	241 J	125 J	303 J	1560 JT	1716 JT
2203	WLCOFJ02220322030		3380			1340	3500	3580	1130	6730	25800 T	28180 T
2204	WLCOFJ02220422040		241			132	199	280	119	343	1550 T	1887 JT
2205	WLCOFJ02220522050		778			248	762	1480	216	1420	5870 T	6394 JT
2206	WLCOFJ02220622060		183 J			81.3 J	265 J	250 J	70 J	234 J	1320 JT	1582 JT
22B01	WLCOFJ0222B0122B010		116			71.1	94.3	92.7	48.7	129	711 T	790.5 T
22B02	WLCOFJ0222B0222B020		213			129	92.1	199	89.6	253	1250 T	1466 T
22B03	WLCOFJ0222B0322B030		443			400	339	176	248	362	2650 T	3071 T
22B04	WLCOFJ0222B0422B040		108			61.8	77.2	93.7	46.4	113	658 T	761 T
22C01	WLCOFJ0222C0122C010		13300			6390	7140	10400	5120	10800	71300 T	79240 T
22C02	WLCOFJ0222C0222C020		400 J			195 J	297 J	499 J	148 J	596 J	2780 JT	3589 JT
22C03	WLCOFJ0222C0322C030		988 T			510 T	467 T	693 T	484 T	799 T	5000 T	5644 T
22C04	WLCOFJ0222C0422C040		127 J			59.6 J	59.1 J	89.4 J	53.4 J	95.9 J	596 JT	671.8 JT
2401	WLCOFJ02240124010		146			81.6	82.9	100	66.9	118	757 T	869 T
2402	WLCOFJ02240224020		2330			1960	1580	1670	1760	2490	15500 T	18290 T
2403	WLCOFJ02240324030		747			788	479	433	444	704	4950 T	5905 T
2404	WLCOFJ02240424040		436			370	239	254	261	380	2610 T	3043 T
2405	WLCOFJ02240524050		755			898	525	753	462	1150	5820 T	7550 T
4801	WLCOFJ02480148010		1190 J			492 J	808 J	811 J	381 J	680 J	5660 JT	7010 JT
4802	WLCOFJ02480248020		118			37.6	75.6	104	28.5	132	634 T	739 T
4803	WLCOFJ02480348030		346			87.8	265	374	68.8	378	1850 T	2349 T
4804	WLCOFJ02480448040		230			60.1	152	218	51.5	223	1160 T	1416 T
4805	WLCOFJ02480548050		124			23.5	93.2	94.4	17.9	96.1	578 T	664.2 JT
4806	WLCOFJ02480648060		460			101	308	399	84.7	375	2140 T	2465 T
4901	WLCOFJ02490149010		41 T			36.7 T	27.5 T	28.2 T	24 T	42.8 T	255 T	311.5 T
4902	WLCOFJ02490249020		224			181	165	187	124	282	1490 T	1760 T
4903	WLCOFJ02490349030		561			435	681	652	305	1570	5420 T	7270 T
4904	WLCOFJ02490449040		51.3			45.9	37.2	50.2	29.3	79.7	374 T	464.9 T
4905	WLCOFJ02490549050		1150			819	1440	974	496	2050	9100 T	11150 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
4906	WLCOFJ02490649060	1.63 U	1.63 U	3.1 J	1.63 U	1.63 U	1.63 U	1.73 J	4.83 JT	1.63 U	6.21	6.63	
5001	WLCOFJ02500150010	1.55 U	31.5	3.96	12.5	1.55 U	4.48	25.8	78.2 T	17.5	205	154	
5002	WLCOFJ02500250020	2.43 J	16.5 J	6.39 J	40.7 J	14 J	3.93 J	224 J	308 JT	44.8 J	351 J	328 J	
5003	WLCOFJ02500350030	34.2 J	132	48.9	140	88.3	98.1	598	1140 JT	143	698	856	
5004	WLCOFJ02500450040	18 U	29.8 J	21.2 J	32.1 J	18 U	28.3 J	162	273 JT	48.5	159	195	
5005	WLCOFJ02500550050	16.5 UJ	16.5 UJ	16.5 UJ	19.5 J	16.5 UJ	16.5 UJ	167 J	187 JT	22.3 J	101 J	116 J	
5006	WLCOFJ02500650060	28.4 J	41.4	31.6 J	68.1	26.2 J	77.4	230	503 JT	51	252	309	
5201	WLCOFJ02520152010	2.85 J	11.1	3.87	5.39	4.37	3.63	12.4	43.6 JT	14	43.3	46.1	
5202	WLCOFJ02520252020	58	124	67.8	152	91.1	182	726	1400 T	89.6	494	545	
5203	WLCOFJ02520352030	14.1	33.2	50.5	70.5	23.2	29.4	229	450 T	41.2	243	284	
52A01	WLCOFJ0252A0152A010	15.9 UJ	15.9 UJ	15.9 UJ	15.9 UJ	15.9 UJ	15.9 UJ	17.2 J	17.2 JT	15.9 UJ	17.7 J	38.3 J	
52A02	WLCOFJ0252A0252A020	20.9 U	31.9 J	20.9 U	46	25.6 J	24.4 J	203	331 JT	72.9	241	246	
52A03	WLCOFJ0252A0352A030	40.2	63.3	32.5	151	65.8	69.7	550	973 T	75.9	315	411	
52A04	WLCOFJ0252A0452A040	34.3 J	193 J	42.7 J	247 J	173 J	42.3 J	1580 J	2310 JT	141 J	863 J	972 J	
52A05	WLCOFJ0252A0552A050	144	268	139	426	215	318	1820	3330 T	456	2600	2520	
52C01	WLCOFJ0252C0152C010	158 UJ	293 J	158 UJ	256 J	158 UJ	158 UJ	743 J	1290 JT	158 UJ	714 J	1010 J	
52C02	WLCOFJ0252C0252C020	2.46 J	7.67	4.11	14.3	5.97	3.61	51.5	89.6 JT	30.1	64.4	80	
52C03	WLCOFJ0252C0352C030	3.79	18.6	29.6	38.3	12.4	8.27	92.5	203 T	63.3	134	155	
52C04	WLCOFJ0252C0452C040	4.11	9.08	30.3	82.8	10.5	5.51	172	314 T	38.6	103	85.3	
52C05	WLCOFJ0252C0552C050	160 UJT	225 JT	160 UJT	238 JT	160 UJT	160 UJT	700 JT	1160 JT	160 UJT	931 JT	1550 JT	
5301	WLCOFJ02530153010	22.9 U	22.9 U	22.9 U	26.4 J	22.9 U	22.9 U	99.5	126 JT	47.1	168	196	
5302	WLCOFJ02530253020	3.43 J	4.23 J	1.56 UJ	2.91 J	2.66 J	3.26 J	9.67 J	26.2 JT	1.56 UJ	12.8 J	16.4 J	
5303	WLCOFJ02530353030	2.49 J	7.42 J	5.09 J	6.81 J	5.4 J	3.67 J	36.9 J	67.8 JT	13.3 J	37.2 J	52.6 J	
5304	WLCOFJ02530453040	5.62	13	12.2	31	10.8	8.79	73.7	155 T	30	90.1	108	
5305	WLCOFJ02530553050	1.67 UJ	1.67 UJ	5.71 J	6.14 J	2.69 J	3.83 J	10.6 J	29 JT	6.73 J	30.4 J	34.4 J	
M0201	WLCOFJ02M0201M2010	15.4 U	16.1 J	15.4 U	15.4 U	15.4 U	15.4 U	58.4	74.5 JT	15.4 U	25.8 J	15.4 U	
M0202	WLCOFJ02M0202M2020	17.2 U	17.2 U	17.2 U	17.2 U	20.8 J	17.2 U	56.1	76.9 JT	17.2 U	17.6 J	17.2 U	
M02031	WLCOFJ02M02031M2031	5.41	59.6	14.1	55.9	54.8	5.85	640	836 T	1.58 U	58.4	32.3	
M0203	WLCOFJ02M0203M2030	89.4	114	19.1	43.3	80.8	33.2	898	1280 T	1.63 U	78.7	40.5	
M0204	WLCOFJ02M0204M2040	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	2.15 UT	2.15 U	2.15 U	2.15 U	
M0205	WLCOFJ02M0205M2050	2.08 U	2.08 U	2.08 U	2.08 U	2.08 U	2.08 U	2.08 U	2.08 UT	2.08 U	2.08 U	2.08 U	
M0301	WLCOFJ02M0301M3010	309 J	215 UJ	503 J	215 UJ	215 UJ	222 J	215 UJ	1030 JT	215 UJ	215 UJ	215 UJ	
M0302	WLCOFJ02M0302M3020	2.86 J	14.2	2.82 J	3.41 J	7.99	2.13 J	17.2	50.6 JT	1.79 U	13.8	13.1	
M0303	WLCOFJ02M0303M3030	19 U	19 U	28.5 J	43	22 J	19 U	107	201 JT	19 U	89	85.7	
M0304	WLCOFJ02M0304M3040	27.9 J	147	123	1360	367	31 J	11300	13400 JT	667	5570	2600	
M0305	WLCOFJ02M0305M3050	19.6 J	23.2 J	34.5 J	60.5	30.7 J	29.7 J	158	356 JT	17.8 U	111	101	
S0201	WLCOFJ02S0201S2010	1.69 U	2.82 J	1.69 U	7.68	4.31	3.52	24.8	43.1 JT	1.69 U	15	16.9	
S0202	WLCOFJ02S0202S2020	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	5.8	5.8 T	1.53 U	5.28	7.88	
S0203	WLCOFJ02S0203S2030	1.63 U	6.23	1.63 U	3.23 J	6.95	1.63 U	7.72	24.1 JT	1.63 U	13.3	14.1	
S0204	WLCOFJ02S0204S2040	3.81	8.75	7.81	16	8.67	5.48	88.9	139 T	37.1	66.6	78	
S0205	WLCOFJ02S0205S2050	1.62 U	2.11 J	1.62 U	3.89	1.92 J	1.73 J	13.4	23.1 JT	1.62 U	10.7	12.2	
S0501	WLCOFJ02S0501S5010	132 UJ	132 UJ	132 UJ	132 UJ	132 UJ	132 UJ	132 UJ	132 UJT	132 UJ	132 UJ	132 UJ	
S0502	WLCOFJ02S0502S5020	2.68 UJ	2.68 UJ	2.68 UJ	2.68 UJ	2.68 UJ	2.68 UJ	2.68 UJ	2.68 UJT	2.68 UJ	2.9 J	2.68 UJ	
S0503	WLCOFJ02S0503S5030	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	1.55 UJT	3.01 JT	4.67 JT	
S0504	WLCOFJ02S0504S5040	1.47 UJ	1.47 UJ	1.47 UJ	2.49 J	1.47 UJ	1.47 UJ	9.86 J	12.4 JT	1.47 UJ	6.53 J	6.79 J	
S0505	WLCOFJ02S0505S5050	1.59 UJ	2.79 J	1.59 UJ	1.59 UJ	1.59 UJ	1.59 UJ	1.59 UJ	2.79 JT	1.59 UJ	1.59 UJ	1.59 UJ	
S0506	WLCOFJ02S0506S5060	16.8 UJ	16.8 UJ	16.8 UJ	16.8 UJ	16.8 UJ	16.8 UJ	30.7 J	30.7 JT	16.8 UJ	16.8 UJ	16.8 UJ	
S0507	WLCOFJ02S0507S5070	1.58 UJ	2.48 J	1.67 J	4.14 J	1.58 UJ	1.58 UJ	11.4 J	19.7 JT	1.58 UJ	1.58 UJ	11.1 J	
S0601	WLCOFJ02S0601S6010	4.1 J	4.31 J	2.4 U	4.91	2.88 J	9.84	11.3	37.3 JT	2.4 U	15.9	26.1	
RB01	WLCOSJ00RB01SD0001	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	9.9 U	9.9 U	9.9 U
RB02	WLCOSJ00RB02SD0002	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 UT	19 U	9.7 U	9.7 U	9.7 U
RB03	WLCOSJ00RB03SD0003	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	15	28	21
RB04	WLCOSJ00RB04SD0004	440	270	23	1900	1100	3100	7700	14500 T	970 U	4000	4300	3500
RB04	WLCOSJ00RB04SD0014	9.7 U	9.7 U	9.7 U	14	9.7 U	9.7 U	40	54 T	19 U	29	39	31
RB05	WLCOSJ00RB05SD0005	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 U	8.9 UT	18 U	8.9 U	19	21
RB06	WLCOSJ00RB06SD0006	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	20 U	10 U	10 U	10 U
RB06	WLCOSJ00RB06SD0007	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 UT	19 U	9.6 U	9.6 U	11
RB07	WLCOSJ00RB07SD0008	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	9.9 U	9.9 U	9.9 U
RB08	WLCOSJ00RB08SD0009	10 U	20 U	12	12	10 U	10	50	84 T	200 U	88	160	110
RB09	WLCOSJ00RB09SD0010	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 UT	19 U	9.7 U	25	19 U
RB10	WLCOSJ00RB10SD0011	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	16	25	22
RB11	WLCOSJ00RB11SD0012	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	9.9 U	9.9 U	9.9 U
RB12	WLCOSJ00RB12SD0013	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	20 U	9.9 U	9.9 U	9.9 U
RB13	WLCOSJ00RB13SD0015	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 UT	19 U	9.6 U	18	17
SVS18COMP	WLCRIJ9918COMP18COMP	2 J	10 U	10 U	4 J	2 J	3 J	20	31 JT	4 J	18	20	18
CZ01	WLCRIJ99CZ01CZ01	3 J	10 U	3 J	6	3 J	6 J	29	50 JT	2 J	21	30	24
CZ02	WLCRIJ99CZ02CZ02	2 J	10 U	4 J	5	3 J	6 J	26	46 JT	3 J	23	33	28
CZ03	WLCRIJ99CZ03CZ03	1 J	10 U	3 J	3 J	10 U	4 J	19	30 JT	2 J	16	25	21
CZ03	WLCRIJ99CZ03CZ031	1 J	10 U	10 U	3 J	10 U	3 J	14	21 JT	3 J	12	18	14
CZ04	WLCRIJ99CZ04CZ04	2 J	3 J	3 J	5 J	3 J	6	25	47 JT	5 J	22	31	25
CZ05	WLCRIJ99CZ05CZ05	2 J	2 J	3 J	4 J	2 J	5 J	24	42 JT	4 J	20	29	25
CZ06	WLCRIJ99CZ06CZ06	2 J	10 U	3 J	4 J	10 U	6	20	35 JT	5 J	17	27	22
CZ07	WLCRIJ99CZ07CZ07	1 J	10 U	10 U	1 J	10 U	3 J	9 J	14 JT	5 U	7 J	11	9 J
CZ08	WLCRIJ99CZ08CZ08	1 J	10 U	10 U	2 J	10 U	3 J	10 J	16 JT	3 J	8 J	14	11
SVS18R1	WLCRIJ99VS18R1VS18R1	3 J	3 J	4 J	9	5 J	6	38	68 JT	8	40	54	42
SVS18R2	WLCRIJ99VS18R2VS18R2	5 J	24	2 J	25	15	8	110	189 JT	32	160	190	160
HC-REFA	WLCRIL99HCREFAHCREFA	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-REFB	WLCRIL99HCREFBHCREFB	50 U	50 U	50 U	100 U	50 U	50 U	100 U	100 UT	200 U	100 U	200 U	200 U
HC-REFC	WLCRIL99HCREFCHCREFC	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS02	WLCRIL99HCSS02HCSS02	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS03	WLCRIL99HCSS03HCSS03	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
4906	WLCOFJ02490649060		3.26 U			14	8.76	9.08	8.58	14.1	67.4 T	72.23 JT
5001	WLCOFJ02500150010		197			101	200	122	101	180	1280 T	1358.2 T
5002	WLCOFJ02500250020		549 J			279 J	398 J	439 J	227 J	436 J	3050 JT	3358 JT
5003	WLCOFJ02500350030		1360			653	695	1090	546	1180	7220 T	8360 JT
5004	WLCOFJ02500450040		366			196	207	314	171	326	1980 T	2253 JT
5005	WLCOFJ02500550050		212 J			79.4 J	194 J	493 J	94.9 J	392 J	1700 JT	1887 JT
5006	WLCOFJ02500650060		516			262	312	466	220	499	2890 T	3393 JT
5201	WLCOFJ02520152010		67.6			60.7	35.6	51.5	52.4	66.8	438 T	481.6 JT
5202	WLCOFJ02520252020		813			597	590	1410	425	1870	6830 T	8230 T
5203	WLCOFJ02520352030		368			249	307	456	181	563	2690 T	3140 T
52A01	WLCOFJ0252A0152A010		105 J			39.3 J	36.5 J	31.9 J	33 J	39.4 J	341 JT	358.2 JT
52A02	WLCOFJ0252A0252A020		508			222	244	434	232	455	2650 T	2981 JT
52A03	WLCOFJ0252A0352A030		564			337	372	762	254	723	3810 T	4783 T
52A04	WLCOFJ0252A0452A040		2030 J			551 J	931 J	1980 J	484 J	1800 J	9750 JT	12060 JT
52A05	WLCOFJ0252A0552A050		4130			1940	2540	3530	2120	4060	23900 T	27230 T
52C01	WLCOFJ0252C0152C010		1770 J			158 UJ	703 J	1130 J	158 UJ	1620 J	6950 JT	8240 JT
52C02	WLCOFJ0252C0252C020		146			60.2	83.1	119	56.3	129	768 T	857.6 JT
52C03	WLCOFJ0252C0352C030		230			99.6	136	251	96.2	259	1420 T	1623 T
52C04	WLCOFJ0252C0452C040		148			59.2	114	215	56.6	298	1120 T	1434 T
52C05	WLCOFJ0252C0552C050		2860 JT			1340 JT	1160 JT	1530 JT	1070 JT	1580 JT	12000 JT	13160 JT
5301	WLCOFJ02530153010		340			200	158	229	224	249	1810 T	1936 JT
5302	WLCOFJ02530253020		29.7 J			22.7 J	12.5 J	19.1 J	20.2 J	22.5 J	156 JT	182.2 JT
5303	WLCOFJ02530353030		91.5 J			42.9 J	52 J	79.3 J	34.5 J	81.8 J	485 JT	552.8 JT
5304	WLCOFJ02530453040		251			84.2	114	136	80	135	1030 T	1185 T
5305	WLCOFJ02530553050		82.6 J			31.3 J	44.9 J	41.9 J	25.4 J	51.7 J	349 JT	378 JT
M0201	WLCOFJ02M0201M2010		72.4			50.7	48	102	26.4 J	125	450 JT	524.5 JT
M0202	WLCOFJ02M0202M2020		93.9			60.5	51.6	102	17.2 U	138	464 JT	540.9 JT
M02031	WLCOFJ02M02031M2031		76.8			26.9	83.4	638	19.3	525	1460 T	2296 T
M0203	WLCOFJ02M0203M2030		125			25	101	929	26.3	723	2050 T	3330 T
M0204	WLCOFJ02M0204M2040		4.29 U			2.15 U	3.14 J	3.71 J	2.15 U	5.25	12.1 JT	12.1 JT
M0205	WLCOFJ02M0205M2050		4.17 U			2.08 U	2.08 U	3.2 J	2.08 U	3.53 J	6.73 JT	6.73 JT
M0301	WLCOFJ02M0301M3010		3450 J			215 UJ	215 UJ	1750 J	215 UJ	2310 J	7510 JT	8540 JT
M0302	WLCOFJ02M0302M3020		24.2			8.71	16.5	27.1	9.72	28.3	141 T	191.6 JT
M0303	WLCOFJ02M0303M3030		168			19 U	86.6	222	19 U	226	877 T	1078 JT
M0304	WLCOFJ02M0304M3040		4470			854	11100	37400	739	29600	93000 T	106400 JT
M0305	WLCOFJ02M0305M3050		204			124	174	319	75.6	411	1520 T	1876 JT
S0201	WLCOFJ02S0201S2010		47.7			22.2	32.7	54.7	17.4	59.1	266 T	309.1 JT
S0202	WLCOFJ02S0202S2020		23.7			9.92	11.2	15.8	12.6	19.1	105 T	110.8 T
S0203	WLCOFJ02S0203S2030		36			9.91	19.5	24.7	12.5	32	162 T	186.1 JT
S0204	WLCOFJ02S0204S2040		139			62	86.2	157	52.9	161	840 T	979 T
S0205	WLCOFJ02S0205S2050		25.2			11.4	17	26.6	9.04	28.8	141 T	164.1 JT
S0501	WLCOFJ02S0501S5010		264 UJ			160 J	132 UJ	132 UJ	132 UJ	159 J	319 JT	319 JT
S0502	WLCOFJ02S0502S5020		5.36 UJ			7.26 J	4.33 J	3.73 J	2.68 UJ	5.4 J	23.6 JT	23.6 JT
S0503	WLCOFJ02S0503S5030		10.9 JT			6.69 JT	3.76 JT	4.7 JT	3.55 JT	4.63 JT	41.9 JT	41.9 JT
S0504	WLCOFJ02S0504S5040		13.1 J			9.41 J	7.58 J	8.17 J	9.45 J	15.9 J	76.9 JT	89.3 JT
S0505	WLCOFJ02S0505S5050		3.7 J			1.59 UJ	1.59 UJ	1.59 UJ	1.59 UJ	5.51 J	9.21 JT	12 JT
S0506	WLCOFJ02S0506S5060		33.6 UJ			16.8 UJ	16.8 UJ	54.7 J	16.8 UJ	106 J	161 JT	191.7 JT
S0507	WLCOFJ02S0507S5070		27.1 J			18.3 J	9.95 J	20.2 J	16.8 J	21.9 J	125 JT	144.7 JT
S0601	WLCOFJ02S0601S6010		46.8			21.3	22.2	29.7	12.5	31	206 T	243.3 JT
RB01	WLCOSJ00RB01SD0001	9.9 U	9.9 UT			20 U	9.9 U	9.9 U	20 U	9.9 U	20 UT	20 UT
RB02	WLCOSJ00RB02SD0002	9.7 U	9.7 UT			19 U	9.7 U	9.7 U	19 U	9.7 U	19 UT	19 UT
RB03	WLCOSJ00RB03SD0003	19	40 T			26	21	18	26	22	196 T	196 T
RB04	WLCOSJ00RB04SD0004	3600	7100 T			2900	3800	7600	3600	5700	39000 T	53500 T
RB04	WLCOSJ00RB04SD0014	32	63 T			37	44	42	31	59	344 T	398 T
RB05	WLCOSJ00RB05SD0005	19	40 T			20	22	13	18 U	18	132 T	132 T
RB06	WLCOSJ00RB06SD0006	10 U	10 UT			20 U	10 U	10 U	20 U	10 U	20 UT	20 UT
RB06	WLCOSJ00RB06SD0007	9.6 U	11 T			19 U	11	9.6 U	19 U	10	32 T	32 T
RB07	WLCOSJ00RB07SD0008	9.9 U	9.9 UT			20 U	9.9 U	12	20 U	12	24 T	24 T
RB08	WLCOSJ00RB08SD0009	110	220 T			200 U	130	160	200 U	190	948 T	1032 T
RB09	WLCOSJ00RB09SD0010	17	17 T			23	18	12	23	16	134 T	134 T
RB10	WLCOSJ00RB10SD0011	20	42 T			23	26	34	20 U	43	209 T	209 T
RB11	WLCOSJ00RB11SD0012	9.9 U	9.9 UT			20 U	9.9 U	9.9 U	20 U	9.9 U	20 UT	20 UT
RB12	WLCOSJ00RB12SD0013	9.9 U	9.9 UT			20 U	9.9 U	9.9 U	20 U	9.9 U	20 UT	20 UT
RB13	WLCOSJ00RB13SD0015	13	30 T			19 U	16	9.6 U	19 U	14	78 T	78 T
SVS18COMP	WLCRIJ9918COMP18COMP	16	34 T			20	21	30	18	33	198 JT	229 JT
CZ01	WLCRIJ99CZ01CZ01	21	45 T			29	29	49	27	61	293 JT	343 JT
CZ02	WLCRIJ99CZ02CZ02	22	50 T			33	29	48	34	59	312 JT	358 JT
CZ03	WLCRIJ99CZ03CZ03	17	38 T			25	23	38	24	50 J	241 JT	271 JT
CZ03	WLCRIJ99CZ03CZ031	13	27 T			19	16	23	16	29 J	163 JT	184 JT
CZ04	WLCRIJ99CZ04CZ04	22	47 T			31	30	38	29	47	280 JT	327 JT
CZ05	WLCRIJ99CZ05CZ05	22	47 T			31	33	38	27	51	280 JT	322 JT
CZ06	WLCRIJ99CZ06CZ06	19	41 T			30	24	34	26	42	246 JT	281 JT
CZ07	WLCRIJ99CZ07CZ07	7 J	16 T			13	9 J	16	11	21	104 JT	118 JT
CZ08	WLCRIJ99CZ08CZ08	11	22 T			18	12	18	14	23	132 JT	148 JT
SVS18R1	WLCRIJ99VS18R1VS18R1	38	80 T			50	52	77	49	90	500 T	568 JT
SVS18R2	WLCRIJ99VS18R2VS18R2	140	300 T			140	180	220	170	200	1590 T	1779 JT
HC-REFA	WLCRIL99HCREFAHCREFA	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-REFB	WLCRIL99HCREFBHCREFB	200 U	200 UT			200 U	100 U	100 U	200 U	100 U	200 UT	200 UT
HC-REFC	WLCRIL99HCREFCHCREFC	50 U	50 UT			50 U	60	90	50 U	86	236 T	236 T
HC-SS02	WLCRIL99HCSS02HCSS02	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS03	WLCRIL99HCSS03HCSS03	50 U	50 UT			50 U	50 U	69	50 U	67	136 T	136 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
HC-SS04	WLCRIL99HCSS04HCSS04	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS05	WLCRIL99HCSS05CSS100	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS05	WLCRIL99HCSS05HCSS05	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS06	WLCRIL99HCSS06HCSS06	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS07	WLCRIL99HCSS07HCSS07	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS08	WLCRIL99HCSS08HCSS08	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS09	WLCRIL99HCSS09HCSS09	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS10	WLCRIL99HCSS10HCSS10	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS11	WLCRIL99HCSS11HCSS11	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS12	WLCRIL99HCSS12HCSS12	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS13	WLCRIL99HCSS13HCSS13	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS14	WLCRIL99HCSS14HCSS14	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS15	WLCRIL99HCSS15CSS102	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS15	WLCRIL99HCSS15HCSS15	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS16	WLCRIL99HCSS16HCSS16	50 U	50 U	50 U	50 U	50 U	50 U	95	95 T	50 U	110	170	97
HC-SS17	WLCRIL99HCSS17HCSS17	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS18	WLCRIL99HCSS18HCSS18	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	62	88	61
HC-SS19	WLCRIL99HCSS19HCSS19	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS20	WLCRIL99HCSS20HCSS20	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	89	120	61
HC-SS22	WLCRIL99HCSS22HCSS22	50 U	50 U	50 U	50 U	50 U	50 U	160	160 T	50 U	150	270	160
HC-SS23	WLCRIL99HCSS23HCSS23	50 U	50 U	50 U	50 U	50 U	50 U	64	64 T	50 U	74	94	67
HC-SS24	WLCRIL99HCSS24HCSS24	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS25	WLCRIL99HCSS25HCSS25	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS26	WLCRIL99HCSS26HCSS26	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS28	WLCRIL99HCSS28HCSS28	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS29	WLCRIL99HCSS29HCSS29	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS30	WLCRIL99HCSS30HCSS30	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS31	WLCRIL99HCSS31HCSS31	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS32	WLCRIL99HCSS32CSS103	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS32	WLCRIL99HCSS32HCSS32	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS33	WLCRIL99HCSS33HCSS33	50 U	50 U	50 U	50 U	50 U	50 U	60	60 T	50 U	50 U	50 U	50 U
HC-SS34	WLCRIL99HCSS34CSS101	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
HC-SS34	WLCRIL99HCSS34HCSS34	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U
G05	WLCRIV99G05G05S00	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	57	65	58
G06A	WLCRIV99G06A06AS02	50 U	50 U	50 U	50 U	50 U	50 U	55	55 T	50 U	51	50 U	51
PA01	WLCRIV99PA01PA01	2 J	10 U	3 J	4 J	10 U	7 J	18	34 JT	1 J	11	17	14
PA02	WLCRIV99PA02PA02	3 J	10 U	5 J	5 J	4 J	13 J	28	58 JT	1 J	15	18	16
PA03	WLCRIV99PA03PA03	2 J	10 U	10 U	1 J	10 U	3 J	10 J	16 JT	5 U	7 J	8 J	7 J
PA04	WLCRIV99PA04PA04	1 J	10 U	10 U	1 J	10 U	3 J	7 J	12 JT	5 U	6 J	6 J	7 J
GRAB-01	WLCTOI98GRAB01GRAB01		20 UG	20 UG	32 G	20 UG	20 UG	130 G	162 JT	51 G	180 G	230 G	210 G
GRAB-02	WLCTOI98GRAB02GRAB02		26	21	33	20 U	20 U	100	180 JT	40	210	290	220
GRAB-03	WLCTOI98GRAB03GRAB03		20 U	20 U	25	20	20 U	88	133 JT	20 U	81	110	89
GRAB-04	WLCTOI98GRAB04GRAB04		250 G	90 G	310 G	180 G	160 G	1200 G	2190 JT	140 G	1200 G	1500 G	1100 G
GRAB-05	WLCTOI98GRAB05GRAB05		31000	10000 U	26000	14000	10000 U	84000	155000 JT	10000 U	39000	39000	19000
GRAB-06	WLCTOI98GRAB06GRAB06		160	100 U	340	140	100 U	1300	1940 JT	100 U	340	340	180
GRAB-07	WLCTOI98GRAB07GRAB07		20 UG	20 UG	20 UG	20 UG	20 UG	23 G	23 JT	20 UG	20 G	22 G	23 G
GRAB-08	WLCTOI98GRAB08GRAB08		20 U	20 U	20 U	20 U	20 U	33	33 JT	20 U	28	29	34
GRAB-09	WLCTOI98GRAB09GRAB09		20 UG	20 UG	20 UG	20 UG	20 UG	26 G	26 JT	20 UG	26 G	28 G	29 G
GRAB-10	WLCTOI98GRAB10GRAB10		20 UG	20 UG	20 UG	20 UG	20 UG	20 G	20 JT	20 UG	27 G	36 G	32 G
GRAB-11	WLCTOI98GRAB11GRAB11		20 U	20 U	20 U	20 U	20 U	48	48 JT	20 U	28	22	24
GRAB-12	WLCTOI98GRAB12GRAB12		20 U	20 U	20 U	20 U	20 U	25	25 JT	20 U	25	28	27
T1S-01	WLCT1F00T1S01T1S01	20 U	20 U	20 U	20 U	20 U	20 U	28	28 T	20 U	22	23	40
T1S-02	WLCT1F00T1S02T1S02	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-03	WLCT1F00T1S03T1S03	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-04	WLCT1F00T1S04T1S04	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	22
T1S-05	WLCT1F00T1S05T1S05	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-06	WLCT1F00T1S06T1S06	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-07	WLCT1F00T1S07T1S07	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-08	WLCT1F00T1S08T1S08	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
T1S-09	WLCT1F00T1S09T1S09	20 U	20 U	20 U	23	20 U	38	96	157 T	20 U	34	40	36
T4-UP01	WLCT4C04UP01UP0101	25	85	18	71	48	82	630	959 T	31	240	350	220
T4-UP02	WLCT4C04UP02UP0201	0.7 J	1.6 J	1.7 J	5.5	1.1 J	1.8 J	9.8	22.2 JT	1.8 J	10	13	13
T4-UP03	WLCT4C04UP03UP03	0.74 J	2.1 J	2 J	2.5 J	1.6 J	6.9	15	30.8 JT	2 J	13	16	16
T4-UP04	WLCT4C04UP04UP04	0.85 J	3.8 J	1 J	5.2	2.6 J	1.3 J	18	32.8 JT	5	26	38	34
T4-UP05	WLCT4C04UP05UP05	1 J	1.7 J	3 J	7.7	1.7 J	1.8 J	12	28.9 JT	2.8 J	21	25	27
T4-UP06	WLCT4C04UP06UP0601	8.6	39	38	320	82	15	410	913 T	120	880	710	820
T4-UP07	WLCT4C04UP07UP0701	21	130	46	2500	210	28	960	3900 T	200	1700	1000	1200
T4-UP08	WLCT4C04UP08UP0801	0.99 J	4.9 J	1.4 J	6.8	4.4 J	2.9 J	19	40.4 JT	5	46	41	55
T4-UP10	WLCT4C04UP10UP1001	29	86	20	110	74	58	420	797 T	120	510	720	680
T4-UP12	WLCT4C04UP12UP1201	87	2500	12 J	2300	730	130	7600	13400 JT	2400	13000	18000 J	13000
T4-UP13	WLCT4C04UP13UP1301	940	11000	25	8700	3400	1700	32000	57800 T	6500	41000	48000	44000
T4-UP14	WLCT4C04UP14UP14	120	220	120	410	210	320	1900	3300 T	430	2400	3300	2200
T4-VC01	WLCT4C04VC01VC0101	8.8	26	8	35	22	22	170	292 T	32	180	230	230
T4-VC02	WLCT4C04VC02VC0201	4.8 J	14	6.7	18	11	14	65	134 JT	13	69	98	90
T4-VC03	WLCT4C04VC03VC0301	3.3 J	16	4.4 J	14	11	11	60	120 JT	6.7	43	59	53
T4-VC04	WLCT4C04VC04VC0401	9.3	29	9.9	34	32	19	210	343 T	28	170	220	230
T4-VC05	WLCT4C04VC05VC0501	16	75	8.1	60	51	33	370	613 T	100	400	560	610
T4-VC06	WLCT4C04VC06VC0601	20	150	12	130	62	44	590	1010 T	210	810	1100	1000
T4-VC07	WLCT4C04VC07VC0701	33	280	22	280	130	91	1300	2140 T	340	1600	2300	2100
T4-VC08	WLCT4C04VC08VC0801	26	160	10	140	78	56	600	1070 T	200	830	1100	980
T4-VC09	WLCT4C04VC09VC0901	29	360	18	450	200	56	1900	3010 T	650	2900	4200	4100

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
HC-SS04	WLCRIL99HCSS04HCSS04	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS05	WLCRIL99HCSS05CSS100	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS05	WLCRIL99HCSS05HCSS05	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS06	WLCRIL99HCSS06HCSS06	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS07	WLCRIL99HCSS07HCSS07	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS08	WLCRIL99HCSS08HCSS08	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS09	WLCRIL99HCSS09HCSS09	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS10	WLCRIL99HCSS10HCSS10	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS11	WLCRIL99HCSS11HCSS11	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS12	WLCRIL99HCSS12HCSS12	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS13	WLCRIL99HCSS13HCSS13	50 U	50 UT			50 U	50 U	50 U	50 U	54	54 T	54 T
HC-SS14	WLCRIL99HCSS14HCSS14	50 U	50 UT			50 U	50 U	50 U	50 U	53	53 T	53 T
HC-SS15	WLCRIL99HCSS15CSS102	50 U	50 UT			50 U	50 U	50 U	50 U	55	55 T	55 T
HC-SS15	WLCRIL99HCSS15HCSS15	50 U	50 UT			50 U	50 U	50 U	50 U	56	56 T	56 T
HC-SS16	WLCRIL99HCSS16HCSS16	79	176 T			150	130	210	160	270	1380 T	1475 T
HC-SS17	WLCRIL99HCSS17HCSS17	50 U	50 UT			50 U	50 U	61	50 U	73	134 T	134 T
HC-SS18	WLCRIL99HCSS18HCSS18	57	118 T			71	73	110	69	120	711 T	711 T
HC-SS19	WLCRIL99HCSS19HCSS19	50 U	50 UT			50 U	50 U	70	50 U	79	149 T	149 T
HC-SS20	WLCRIL99HCSS20HCSS20	58	119 T			78	110	80	83	120	799 T	799 T
HC-SS22	WLCRIL99HCSS22HCSS22	130	290 T			270	190	280	260	370	2080 T	2240 T
HC-SS23	WLCRIL99HCSS23HCSS23	52	119 T			78	89	140	84	160	838 T	902 T
HC-SS24	WLCRIL99HCSS24HCSS24	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS25	WLCRIL99HCSS25HCSS25	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS26	WLCRIL99HCSS26HCSS26	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS28	WLCRIL99HCSS28HCSS28	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS29	WLCRIL99HCSS29HCSS29	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS30	WLCRIL99HCSS30HCSS30	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS31	WLCRIL99HCSS31HCSS31	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS32	WLCRIL99HCSS32CSS103	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS32	WLCRIL99HCSS32HCSS32	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS33	WLCRIL99HCSS33HCSS33	50 U	50 UT			50 U	50 U	98	50 U	89	187 T	247 T
HC-SS34	WLCRIL99HCSS34CSS101	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
HC-SS34	WLCRIL99HCSS34HCSS34	50 U	50 UT			50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G05	WLCRIV99G05G05S00	50 U	58 T			50 U	59	93	50 U	110	442 T	442 T
G06A	WLCRIV99G06A06AS02	50 U	51 T			50 U	59	110	50 U	130	401 T	456 T
PA01	WLCRIV99PA01PA01	12	26 T			21	17	29	17	38	177 JT	211 JT
PA02	WLCRIV99PA02PA02	13	29 T			20	22	42	16	50	213 JT	271 JT
PA03	WLCRIV99PA03PA03	6 J	13 T			7	9 J	17	7	20	88 JT	104 JT
PA04	WLCRIV99PA04PA04	6 J	13 T			8	8 J	14	6	16	77 JT	89 JT
GRAB-01	WLCT0I98GRAB01GRAB01	150 G	360 T			150 G	190 G	350 G	220 G	330 G	2060 T	2222 JT
GRAB-02	WLCT0I98GRAB02GRAB02	160	380 T			150	210	380	220	430	2310 T	2490 JT
GRAB-03	WLCT0I98GRAB03GRAB03	69	158 T			72	94	200	100	250	1070 T	1203 JT
GRAB-04	WLCT0I98GRAB04GRAB04	920 G	2020 T			620 G	1200 G	2600 G	980 G	3000 G	13300 T	15490 JT
GRAB-05	WLCT0I98GRAB05GRAB05	21000	40000 T			18000	42000	110000	24000	140000	452000 T	607000 JT
GRAB-06	WLCT0I98GRAB06GRAB06	190	370 T			170	360	1200	230	1400	4410 T	6350 JT
GRAB-07	WLCT0I98GRAB07GRAB07	20 UG	23 T			20 UG	26 G	59 G	20 UG	62 G	212 T	235 JT
GRAB-08	WLCT0I98GRAB08GRAB08	26	60 T			20 U	36	85	23	83	344 T	377 JT
GRAB-09	WLCT0I98GRAB09GRAB09	21 G	50 T			20 UG	31 G	67 G	23 G	68 G	293 T	319 JT
GRAB-10	WLCT0I98GRAB10GRAB10	24 G	56 T			22 G	32 G	59 G	29 G	62 G	323 T	343 JT
GRAB-11	WLCT0I98GRAB11GRAB11	20 U	24 T			20 U	27	85	20 U	75	261 T	309 JT
GRAB-12	WLCT0I98GRAB12GRAB12	20	47 T			20 U	31	65	23	72	291 T	316 JT
T1S-01	WLCT1F00T1S01T1S01	24	64 T			20 U	39	66	20 U	63	277 T	305 T
T1S-02	WLCT1F00T1S02T1S02	20 U	20 UT			20 U	20 U	20 U	20 U	20 U	20 UT	20 UT
T1S-03	WLCT1F00T1S03T1S03	20 U	20 UT			20 U	20 U	21	20 U	23	44 T	44 T
T1S-04	WLCT1F00T1S04T1S04	20 U	22 T			20 U	20 U	30	20 U	33	85 T	85 T
T1S-05	WLCT1F00T1S05T1S05	20 U	20 UT			20 U	20 U	21	20 U	23	44 T	44 T
T1S-06	WLCT1F00T1S06T1S06	20 U	20 UT			20 U	20 U	20 U	20 U	20 U	20 UT	20 UT
T1S-07	WLCT1F00T1S07T1S07	20 U	20 UT			20 U	20 U	20 U	20 U	20	20 T	20 T
T1S-08	WLCT1F00T1S08T1S08	20 U	20 UT			20 U	20 U	25	20 U	28	53 T	53 T
T1S-09	WLCT1F00T1S09T1S09	30	66 T			36	44	68	37	85	410 T	567 T
T4-UP01	WLCT4C04UP01UP0101	240	460 T			360	320	730	310	1200	4000 T	4959 T
T4-UP02	WLCT4C04UP02UP0201	14	27 T			15	16	23	12	33	151 JT	173.2 JT
T4-UP03	WLCT4C04UP03UP03	19	35 T			15	21	32	14	29	177 JT	207.8 JT
T4-UP04	WLCT4C04UP04UP04	33	67 T			37	37	47	31	46	334 T	366.8 JT
T4-UP05	WLCT4C04UP05UP05	29	56 T			23	28	57	18	45	276 JT	304.9 JT
T4-UP06	WLCT4C04UP06UP0601	690	1510 T			410	1400	850	500	910	7290 T	8203 T
T4-UP07	WLCT4C04UP07UP0701	1200	2400 T			590	2500	2800	800	2700	14700 T	18600 T
T4-UP08	WLCT4C04UP08UP0801	40	95 T			27	68	150	26	230	688 T	728.4 JT
T4-UP10	WLCT4C04UP10UP1001	560	1240 T			600	600	770	650	910	6120 T	6917 T
T4-UP12	WLCT4C04UP12UP1201	11000	24000 T			9700	11000	17000	14000 J	15000	124000 JT	137400 JT
T4-UP13	WLCT4C04UP13UP1301	42000	86000 T			25000	44000	64000	31000	74000	420000 T	477800 T
T4-UP14	WLCT4C04UP14UP14	2500	4700 T			2700	3000	4900	2700	4900	29000 T	32300 T
T4-VC01	WLCT4C04VC01VC0101	190	420 T			190	240	340	200	410	2240 T	2532 T
T4-VC02	WLCT4C04VC02VC0201	75	165 T			85	99	130	83	150	892 T	1026 JT
T4-VC03	WLCT4C04VC03VC0301	52	105 T			55	64	98	49	130	610 T	730 JT
T4-VC04	WLCT4C04VC04VC0401	180	410 T			180	240	380	180	440	2250 T	2593 T
T4-VC05	WLCT4C04VC05VC0501	420	1030 T			460	510	690	510	750	5010 T	5623 T
T4-VC06	WLCT4C04VC06VC0601	920	1920 T			880	950	1200	860	1400	9330 T	10340 T
T4-VC07	WLCT4C04VC07VC0701	1900	4000 T			1700	1900	2600	1800	2800	19000 T	21140 T
T4-VC08	WLCT4C04VC08VC0801	950	1930 T			870	950	1200	990	1400	9470 T	10540 T
T4-VC09	WLCT4C04VC09VC0901	3300	7400 T			3100	3400	4100	3400	4400	33600 T	36610 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
T4-VC10	WLCT4C04VC10VC1001	5 U	0.59 J	0.76 J	2.1 J	0.5 J	0.45 J	3.1 J	7.5 JT	0.51 J	4.5 J	4.6 J	5.3
T4-VC11	WLCT4C04VC11VC1101	6.1	24	5.6	38	20	14	170	278 T	38	190	260	280
T4-VC12	WLCT4C04VC12VC1201	330	1200	22 J	640	1000	360	4900	8450 JT	1100	4000	6300 J	6200
T4-VC13	WLCT4C04VC13VC1301	22	170	5.4	280	270	3.8 J	1500	2250 JT	13	130	78	94
T4-VC14	WLCT4C04VC14VC1401	0.37 J	0.36 J	0.34 J	0.93 J	0.37 J	0.63 J	3 J	6 JT	0.5 J	3.3 J	3 J	4.1 J
T4-VC15	WLCT4C04VC15VC1501	35	290	20	270	160	70	1200	2050 T	360	1600	2300	2000
T4-VC16	WLCT4C04VC16VC1601	63	740	30	630	600	120	4000	6180 T	960	4300	5900	5500
T4-VC17	WLCT4C04VC17VC1701	7.2	34	5.3	24	38	14	200	323 T	16	89	120	120
T4-VC18	WLCT4C04VC18VC1801	26	52	11	33	39	36	160	357 T	36	160	250	220
T4-VC19	WLCT4C04VC19VC1901	51	350	12	370	220	69	1900	2970 T	800	2900	3800	4000
T4-VC20	WLCT4C04VC20VC2001	6	17	5.8	29	14	14	110	196 T	26	120	170	160
T4-VC21	WLCT4C04VC21VC2101	5.9	35	7.6	37	28	15	130	259 T	42	190	270	250
T4-VC22	WLCT4C04VC22VC2201	0.61 J	2.6 J	0.73 J	3.2 J	1.1 J	1.5 J	11	20.7 JT	2.6 J	18	25	19
T4-VC23	WLCT4C04VC23VC2301	19	200	6.1	210	93	39	820	1390 T	270	1100	1600	1500
T4-VC24	WLCT4C04VC24VC2401	2900	16000	53 J	15000	9900	11000	66000	121000 JT	8400	56000	55000	55000
T4-VC25	WLCT4C04VC25VC2501	5 U	0.33 J	5 U	5 U	5 U	0.27 J	0.75 J	1.35 JT	0.22 J	1.6 J	1.6 J	2.2 J
T4-VC26	WLCT4C04VC26VC2601	19	98	20	140	64	48	600	989 T	160	750	1100	1000
T4-VC27	WLCT4C04VC27VC2701	45	27	13	47	29	95	160	416 T	29	220	280	200
T4-VC28	WLCT4C04VC28VC2801	17	47	25	140	44	60	290	623 T	28	240	320	180
T4-VC29	WLCT4C04VC29VC2901	82	600	57	720	310	190	2700	4660 T	880	3800	5600	4900
T4-VC30	WLCT4C04VC30VC3001	3.6 J	15	2.4 J	16	9.3	9.6	76	132 JT	22	87	120	120
T4-VC31	WLCT4C04VC31VC3101	17	87	1.5 J	88	59	11	540	804 JT	150	570	740	900
T4-VC32	WLCT4C04VC32VC3201	84	340	130	660	330	290	2600	4430 T	630	2500	3500	3000
HC-REF-B	WLCT4J98HCREFBHCREFB		20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	35	43	37
HC-REF-C	WLCT4J98HCREFCHCREFC		20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
HC-S-01	WLCT4J98HCS01HCS01		20000 U	20000 U	20000 U	20000 U	20000 U	49000	49000 JT	20000 U	77000	86000	83000
HC-S-02	WLCT4J98HCS02HCS02		14000	10000 U	12000	14000	10000 U	74000	114000 JT	10000 U	81000	82000	78000
HC-S-03	WLCT4J98HCS03HCS03		10000 U	10000 U	10000 U	10000 U	10000 U	16000	16000 JT	10000 U	28000	33000	30000
HC-S-04	WLCT4J98HCS04HCS04		1100	400 U	1700	670	400	6400	10300 JT	1200	13000	15000	13000
HC-S-05	WLCT4J98HCS05HCS05		560 G	460 G	1400 G	570 G	440 G	4700 G	8130 JT	730 G	8600 G	9600 G	7700 G
HC-S-06	WLCT4J98HCS06HCS06		500 G	200 UG	870 G	340 G	200 UG	3100 G	4810 JT	670 G	7000 G	9100 G	6800 G
HC-S-07	WLCT4J98HCS07HCS07		990 G	400 UG	1700 G	730 G	400 UG	6100 G	9520 JT	1200 G	12000 G	13000 G	12000 G
HC-S-08	WLCT4J98HCS08HCS08		810	200 U	1200	490	220	4300	7020 JT	1100	8200	11000	8100
HC-S-09	WLCT4J98HCS09HCS09		960 G	200 UG	1300 G	540 G	210 G	5000 G	8010 JT	1300 G	11000 G	12000 G	10000 G
HC-S-11	WLCT4J98HCS11HCS11		940 G	200 G	1700 G	590 G	250 G	5700 G	9380 JT	2200 G	11000 G	13000 G	10000 G
HC-S-13	WLCT4J98HCS13HCS13		270 G	140 G	600 G	250 G	140 G	2100 G	3500 JT	870 G	4600 G	5500 G	4100 G
HC-S-14	WLCT4J98HCS14HCS14		54 G	350 G	590 G	250 G	220 G	2700 G	4160 JT	570 G	4800 G	5400 G	3200 G
HC-S-16	WLCT4J98HCS16HCS16		630	480	1900	620	450	4900	8980 JT	1700	9000	11000	7600
HC-S-19	WLCT4J98HCS19HCS19		6100	71	5900	2500	1400	26000	42000 JT	11000	44000	55000	44000
HC-S-20	WLCT4J98HCS20HCS20		1500	160	2000	700	370	7900	12600 JT	3100	14000	18000	13000
HC-S-22	WLCT4J98HCS22HCS22		310	110	560	230	20 U	1900	3110 JT	800	4000	4900	3700
HC-S-24	WLCT4J98HCS24HCS24		410	3600	6600	1200	2200	15000	29000 JT	4700	37000	39000	23000
HC-S-25	WLCT4J98HCS25HCS25		210	100	270	230	140	1100	2050 JT	170	1300	1400	880
HC-S-26	WLCT4J98HCS26HCS26		73 G	140 G	350 G	100 G	100 G	1000 G	1760 JT	350 G	2300 G	2700 G	1600 G
HC-S-28	WLCT4J98HCS28HCS28		260	120	510	200	100	1700	2890 JT	630	3200	4000	2900
HC-S-30	WLCT4J98HCS30HCS30		260	44	370	160	64	1600	2500 JT	540	2700	3300	2400
HC-S-32	WLCT4J98HCS32HCS32		120 G	35 G	210 G	82 G	36 G	900 G	1380 JT	290 G	1100 G	1600 G	1400 G
HC-S-34	WLCT4J98HCS34HCS34		200	50	100	53	100	540	1040 JT	110	690	490	540
HC-S-35	WLCT4J98HCS35HCS35		120 G	30 G	220 G	85 G	40 G	730 G	1230 JT	280 G	1500 G	1800 G	1500 G
HC-S-36	WLCT4J98HCS36HCS36		23	20 U	27	20 U	33	150	233 JT	50	170	180	150
HC-S-37	WLCT4J98HCS37HCS37		88 G	20 G	140 G	75 G	27 G	580 G	930 JT	170 G	800 G	1100 G	1000 G
HC-S-38	WLCT4J98HCS38HCS38		4000	20 U	4100	20 U	540	23000	31600 JT	7200	29000	31000	34000
HC-S-39	WLCT4J98HCS39HCS39		520 G	20 UG	600 G	390 G	49 G	4700 G	6260 JT	1700 G	6200 G	6700 G	6500 G
HC-S-40	WLCT4J98HCS40HCS40		130	20 U	170	20 U	23	1000	1320 JT	290	1300	1700	1500
HC-S-41	WLCT4J98HCS41HCS41		1600	20 U	2000	650	160	7800	12200 JT	3900	15000	20000	15000
HC-S-42	WLCT4J98HCS42HCS42		920	23	1500	420	92	5300	8260 JT	2600	11000	14000	11000
HC-S-43	WLCT4J98HCS43HCS43		60	20 U	99	42	20 U	430	631 JT	170	830	110	820
HC-S-44	WLCT4J98HCS44HCS44		150	20 U	170	180	39	970	1510 JT	140	640	670	670
HC02	WLLRSI01HC02HC02	16 U	16 U	3.2 J	16 U	16 U	3.3 J	4.3 J	10.8 JT	16 U	4.8 J	13 J	6.6 J
HC08	WLLRSI01HC08HC08	21 U	21 U	4.5 J	21 U	21 U	7.8 J	11 J	23.3 JT	21 U	8.1 J	8.8 J	11 J
HC10	WLLRSI01HC10HC10	19 U	19 U	3.5 J	5 J	19 U	6.1 J	14 J	28.6 JT	19 U	13 J	13 J	14 J
C12/13/14	WLR0797121314WRBC12	22 G	18 G	13 G	31 G	15 G	35 G	136 G	270 T	23 G	69 G	192 G	113 G
C26/27/28	WLR0797262728WRBC26	1 G	5 UG	0.7 G	0.8 G	0.5 G	1 G	4 G	8 T	0.7 G	5 UG	3 G	3 G
C16/17	WLR0797C1617WRBC16	12 G	30 G	95 G	135 G	29 G	22 G	460 G	783 T	173 G	740 G	990 G	490 G
WR-BC-01	WLR0797WRBC01WRA	2 GB	0.9 G	1 G	1 G	1 G	1 GB	4 GB	10.9 T	3 GB	3 G	11 G	7 G
WR-BC-01	WLR0797WRBC01WRBC01	1 GB	1 G	2 G	1 G	0.7 G	1 GB	5 G	11.7 T	3 GB	4 G	9 G	7 G
WR-BC-07	WLR0797WRBC07WRBC07	6 GB	6 G	5 G	11 G	6 G	8 GB	38 G	80 T	22 G	42 G	109 G	84 G
WR-BC-08	WLR0797WRBC08WRBC08	3 GB	2 G	3 G	6 G	3 G	2 GB	14 G	33 T	8 GB	14 G	36 G	25 G
WR-BC-09	WLR0797WRBC09WRBC09	13 G	9 G	10 G	17 G	9 G	23 G	66 G	147 T	26 G	58 G	176 G	102 G
WR-BC-10	WLR0797WRBC10WRB	21 G	11 G	14 G	29 G	14 G	19 G	105 G	213 T	39 G	90 G	251 G	165 G
WR-BC-10	WLR0797WRBC10WRBC10	22 G	14 G	25 G	36 G	16 G	23 G	120 G	256 T	66 G	158 G	459 G	270 G
WR-BC-15	WLR0797WRBC15WRBC15	50 G	112 G	107 G	161 G	77 G	98 G	495 G	1100 T	207 G	709 G	1100 G	995 G
WR-BC-20	WLR0797WRBC20WRBC20	135 G	1700 G	406 G	4400 G	940 G	280 G	8200 G	16100 T	690 G	4200 G	6200 G	2800 G
WR-BC-21	WLR0797WRBC21WRBC21	2 G	145 G	14 G	189 G	61 G	7 G	1900 G	2320 T	10 G	97 G	103 G	54 G
WR-BC-22	WLR0797WRBC22WRBC22	1700 G	79000 G	8500 G	77000 G	44000 G	5300 G	180000 G	396000 T	9100 G	67000 G	99000 G	49000 G
WR-BC-23	WLR0797WRBC23WRBC23	1 G	5 UG	5 UG	5 UG	5 UG	0.5 G	1 G	2.5 T	5 UG	5 UG	5 UG	5 UG
WR-BC-29	WLR0797WRBC29WRBC29	69 G	8 G	4 G	13 G	9 G	22 G	50 G	175 T	7 G	44 G	41 G	31 G
WR-BC-29	WLR0797WRBC29WRC	38 G	10 G	6 G	13 G	9 G	11 G	47 G	134 T	5 G	28 G	37 G	27 G
WR-BC-36	WLR0797WRBC36WRBC36	18 G	16 G	6 G	21 G	15 G	41 G	81 G	198 T	7 G	33 G	33 G	25 G
CSS001	WLRELF99CSS001SD0001	5 U	110	10 U	40	83	15 G	280	528 T	16	190	100	140
CSS002	WLRELF99CSS002SD0006	5 U	10 U	10 U	21	10	5 UG	77	108 T	49	180	170	300

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
T4-VC10	WLCT4C04VC10VC1001	6.4	11.7 T			4.1 J	6.4	8.6	3.1 J	10	53.5 JT	61 JT
T4-VC11	WLCT4C04VC11VC1101	210	490 T			210	240	350	220	390	2390 T	2668 T
T4-VC12	WLCT4C04VC12VC1201	4000	10200 T			4100	4900	9700	4700	7200	52200 JT	60650 JT
T4-VC13	WLCT4C04VC13VC1301	71	165 T			54	190	1400	51	950	3030 T	5280 JT
T4-VC14	WLCT4C04VC14VC1401	5.6	9.7 T			3.8 J	5.4	5.8	2.4 J	13	46.9 JT	52.9 JT
T4-VC15	WLCT4C04VC15VC1501	2000	4000 T			1700	2000	2500	1800	2700	19000 T	21050 T
T4-VC16	WLCT4C04VC16VC1601	4900	10400 T			4300	5100	6600	4800	7100	49500 T	55680 T
T4-VC17	WLCT4C04VC17VC1701	110	230 T			110	130	190	100	220	1210 T	1533 T
T4-VC18	WLCT4C04VC18VC1801	190	410 T			220	220	300	220	390	2210 T	2567 T
T4-VC19	WLCT4C04VC19VC1901	3100	7100 T			2700	3500	4400	3100	4300	32600 T	35570 T
T4-VC20	WLCT4C04VC20VC2001	140	300 T			150	160	230	140	280	1580 T	1776 T
T4-VC21	WLCT4C04VC21VC2101	210	460 T			220	240	340	230	400	2390 T	2649 T
T4-VC22	WLCT4C04VC22VC2201	22	41 T			21	22	30	18	44	222 JT	242.7 JT
T4-VC23	WLCT4C04VC23VC2301	1300	2800 T			1200	1300	1600	1300	1800	13000 T	14390 T
T4-VC24	WLCT4C04VC24VC2401	53000	108000 T			26000	56000	110000	36000	100000	555000 T	676000 JT
T4-VC25	WLCT4C04VC25VC2501	1.6 J	3.8 T			1.3 J	2.1 J	2.1 J	0.9 J	2.8 J	16.4 JT	17.75 JT
T4-VC26	WLCT4C04VC26VC2601	870	1870 T			870	930	1300	900	1600	9480 T	10469 T
T4-VC27	WLCT4C04VC27VC2701	170	370 T			250	310	430	230	800	2920 T	3336 T
T4-VC28	WLCT4C04VC28VC2801	210	390 T			230	290	560	220	830	3110 T	3733 T
T4-VC29	WLCT4C04VC29VC2901	4100	9000 T			4100	4300	6000	4600	7000	45300 T	49960 T
T4-VC30	WLCT4C04VC30VC3001	96	216 T			98	110	150	100	160	1060 T	1192 JT
T4-VC31	WLCT4C04VC31VC3101	550	1450 T			550	740	940	640	890	6670 T	7474 JT
T4-VC32	WLCT4C04VC32VC3201	3000	6000 T			3100	3400	5100	2400	7600	34200 T	38630 T
HC-REF-B	WLCT4J98HCREFBHCREFB	22	59 T			57	35	63	110	68	470 T	470 T
HC-REF-C	WLCT4J98HCREFCHCREFC	20 U	20 UT			23	20 U	23	43	27	116 T	116 T
HC-S-01	WLCT4J98HCS01HCS01	61000	144000 T			55000	75000	120000	110000	98000	765000 T	814000 JT
HC-S-02	WLCT4J98HCS02HCS02	63000	141000 T			50000	78000	130000	92000	100000	754000 T	868000 JT
HC-S-03	WLCT4J98HCS03HCS03	26000	56000 T			22000	30000	42000	40000	40000	291000 T	307000 JT
HC-S-04	WLCT4J98HCS04HCS04	9100	22100 T			11000	11000	21000	19000	21000	134000 T	144300 JT
HC-S-05	WLCT4J98HCS05HCS05	5800 G	13500 T			7100 G	7800 G	18000 G	10000 G	20000 G	95300 T	103430 JT
HC-S-06	WLCT4J98HCS06HCS06	4500 G	11300 T			5100 G	6300 G	13000 G	10000 G	13000 G	75500 T	80310 JT
HC-S-07	WLCT4J98HCS07HCS07	8100 G	20100 T			9400 G	10000 G	19000 G	17000 G	21000 G	123000 T	132520 JT
HC-S-08	WLCT4J98HCS08HCS08	5700	13800 T			6800	8600	13000	12000	14000	88500 T	95520 JT
HC-S-09	WLCT4J98HCS09HCS09	6000 G	16000 T			8600 G	11000 G	16000 G	15000 G	16000 G	107000 T	115010 JT
HC-S-11	WLCT4J98HCS11HCS11	8400 G	18400 T			8900 G	11000 G	21000 G	14000 G	22000 G	122000 T	131380 JT
HC-S-13	WLCT4J98HCS13HCS13	3400 G	7500 T			3900 G	4500 G	9600 G	7100 G	11000 G	54600 T	58100 JT
HC-S-14	WLCT4J98HCS14HCS14	3300 G	6500 T			4000 G	4500 G	13000 G	6600 G	17000 G	62400 T	66560 JT
HC-S-16	WLCT4J98HCS16HCS16	7000	14600 T			7600	8900	21000	13000	25000	112000 T	120980 JT
HC-S-19	WLCT4J98HCS19HCS19	35000	79000 T			38000	46000	70000 J	60000	68000	471000 JT	513000 JT
HC-S-20	WLCT4J98HCS20HCS20	11000	24000 T			13000	14000	26000	21000	25000	158000 T	170600 JT
HC-S-22	WLCT4J98HCS22HCS22	3300	7000 T			3300	3800	7200	6000	7500	44500 T	47610 JT
HC-S-24	WLCT4J98HCS24HCS24	24000	47000 T			27000	38000	84000	41000	110000	428000 T	457000 JT
HC-S-25	WLCT4J98HCS25HCS25	600	1480 T			1000	1500	3100	1800	3700	15500 T	17550 JT
HC-S-26	WLCT4J98HCS26HCS26	1800 G	3400 T			1900 G	2200 G	5500 G	3400 G	6800 G	28600 T	30360 JT
HC-S-28	WLCT4J98HCS28HCS28	2700	5600 T			2800	3200	6500	5100	7000	38000 T	40890 JT
HC-S-30	WLCT4J98HCS30HCS30	2400	4800 T			2500	3000	5200	4600	5000	31600 T	34100 JT
HC-S-32	WLCT4J98HCS32HCS32	1100 G	2500 T			1200 G	1200 G	2000 G	1300 G	1700 G	12900 T	14280 JT
HC-S-34	WLCT4J98HCS34HCS34	340	880 T			610	730	2300	1300	2800	9910 T	10950 JT
HC-S-35	WLCT4J98HCS35HCS35	1300 G	2800 T			1200 G	1500 G	2700 G	2300 G	2700 G	16800 T	18030 JT
HC-S-36	WLCT4J98HCS36HCS36	98	248 T			220	170	310	340	380	2070 T	2303 JT
HC-S-37	WLCT4J98HCS37HCS37	510 G	1510 T			610 G	900 G	1500 G	900 G	1300 G	8790 T	9720 JT
HC-S-38	WLCT4J98HCS38HCS38	21000	55000 T			23000	31000	58000	53000	46000	333000 T	364600 JT
HC-S-39	WLCT4J98HCS39HCS39	5500 G	12000 T			5400 G	7000 G	13000 G	10000 G	10000 G	72000 T	78260 JT
HC-S-40	WLCT4J98HCS40HCS40	690	2190 T			1300	1700	3000	2600	2500	16600 T	17920 JT
HC-S-41	WLCT4J98HCS41HCS41	12000	27000 T			16000	16000	24000	25000	22000	169000 T	181200 JT
HC-S-42	WLCT4J98HCS42HCS42	8900	19900 T			11000	11000	17000	18000	16000	121000 T	129260 JT
HC-S-43	WLCT4J98HCS43HCS43	510	1330 T			580	1100	1700	1700	1500	10000 T	10631 JT
HC-S-44	WLCT4J98HCS44HCS44	380	1050 T			520	610	1800	1400	1500	8330 T	9840 JT
HC02	WLLRSI01HC02HC02	5 J	11.6 T			45	5.1 J	5.6 J	12 J	10 J	107 JT	117.8 JT
HC08	WLLRSI01HC08HC08	4.4 J	15.4 T			9.6 J	9.5 J	18 J	8.2 J	19 J	96.6 JT	119.9 JT
HC10	WLLRSI01HC10HC10	5.2 J	19.2 T			14 J	13 J	21	8 J	30	131 JT	159.6 JT
C12/13/14	WLR0797121314WRBC12	116 G	229 T			159 G	93 G	131 G	158 G	178 G	1230 T	1500 T
C26/27/28	WLR0797262728WRBC26	3 G	6 T			3 G	3 G	6 G	2 G	6 G	29.7 T	37.7 T
C16/17	WLR0797C1617WRBC16	610 G	1100 T			660 G	930 G	1300 G	660 G	1600 G	8150 T	8933 T
WR-BC-01	WLR0797WRBC01WRA	6 G	13 T			12 GB	3 G	4 G	12 GB	5 G	66 T	76.9 T
WR-BC-01	WLR0797WRBC01WRBC01	7 G	14 T			9 GB	5 G	10 G	8 GB	9 G	71 T	82.7 T
WR-BC-07	WLR0797WRBC07WRBC07	79 G	163 T			91 G	49 G	73 G	97 G	67 G	713 T	793 T
WR-BC-08	WLR0797WRBC08WRBC08	25 G	50 T			33 G	17 G	23 G	33 G	26 G	240 T	273 T
WR-BC-09	WLR0797WRBC09WRBC09	110 G	212 T			142 G	67 G	83 G	143 G	111 G	1020 T	1167 T
WR-BC-10	WLR0797WRBC10WRB	159 G	324 T			210 G	105 G	150 G	211 G	172 G	1550 T	1763 T
WR-BC-10	WLR0797WRBC10WRBC10	269 G	539 T			385 G	180 G	208 G	383 G	265 G	2640 T	2896 T
WR-BC-15	WLR0797WRBC15WRBC15	967 G	1960 T			860 G	778 G	1100 G	880 G	1300 G	8900 T	10000 T
WR-BC-20	WLR0797WRBC20WRBC20	3800 G	6600 T			4500 G	5400 G	14000 G	4500 G	15000 G	61100 T	77200 T
WR-BC-21	WLR0797WRBC21WRBC21	59 G	113 T			78 G	109 G	2000 G	74 G	2200 G	4780 T	7100 T
WR-BC-22	WLR0797WRBC22WRBC22	54000 G	103000 T			76000 G	86000 G	250000 G	74000 G	260000 G	1020000 T	1416000 T
WR-BC-23	WLR0797WRBC23WRBC23	5 UG	5 UT			0.6 G	5 UG	0.8 G	5 UG	0.8 G	2.2 T	4.7 T
WR-BC-29	WLR0797WRBC29WRBC29	32 G	63 T			23 G	49 G	73 G	25 G	73 G	398 T	573 T
WR-BC-29	WLR0797WRBC29WRC	28 G	55 T			27 G	35 G	62 G	28 G	56 G	333 T	467 T
WR-BC-36	WLR0797WRBC36WRBC36	24 G	49 T			30 G	40 G	93 G	27 G	93 G	405 T	603 T
OSS001	WLRELF99OSS001SD0001	96	236 T			42	240	650	91	470	2040 T	2568 T
OSS002	WLRELF99OSS002SD0006	180	480 T			120	240	260	240	210	1950 T	2058 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
CGS003	WLRELF99CGS003SD0021	5 UG	55 UG	10 UG	16 UG	21 G	7 G	33 G	61 T	8 G	42 G	43 G	45 G
CGS004	WLRELF99CGS004SD0011	25	120	44	550	200	32 G	1300	2270 T	1700	9200	5900	11000
CGS005	WLRELF99CGS005SD0024	6 UG	13 UG	10 UG	34 UG	17 G	12 UG	95 G	112 T	43 G	210 G	260 G	250 G
CGS006	WLRELF99CGS006SD0016	6	14	10 U	39	19	10	130	218 T	31 G	170	170	260
RB1	WLRELF99RB1SD1001	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	10.5	15	30 J
RB2	WLRELF99RB2SD1003	5 U	10 U	10 U	5 U	10 U	5 U	11 J	11 JT	5 J	19.5 J	25.5 J	41.5 J
RB3	WLRELF99RB3SD1005	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	11 J	14	22.5 J
RB4	WLRELF99RB4SD1007	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	10 U	10 U	10 U
RB5	WLRELF99RB5SD1009	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	12 J	12.5 J	12.5 J
RB6	WLRELF99RB6SD1011	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	6 J	12.5 J	28.5 J	26.5 J
RB6	WLRELF99RB6SD1013	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	10 U	10 U	11
GATX-SD1	WLRWTF98ATXSD1ATXSD1		26.8 U	13.4 U	24	13.4 U	13.4 U	68.5	92.5 JT	13.4 U	43.6	25	16.2
GATX-SD1	WLRWTF98ATXSD1TXSD1D		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	67 U	13.4 U	67 U	67 U
GATX-SD2	WLRWTF98ATXSD2ATXSD2	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	16.9 G	16.9 T	7 UG	13.5 G	12.9 G	11.6 G
GATX-SD2	WLRWTF98ATXSD2TXSD2D	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	9.55 G	9.55 T	7 UG	7.98 G	7.54 G	7.16 G
GATX-SD4	WLRWTF98ATXSD4ATXSD4		6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	7.6	6.7 U	6.7 U
GATX-SD5	WLRWTF98ATXSD5ATXSD5	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	7 UG	7 UG	7 UG
CHEV-SD1	WLRWTF98HEVSD1HEVSD1	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	7 UG	7 UG	7 UG
CHEV-SD2	WLRWTF98HEVSD2HEVSD2	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	7 UG	7 UG	7 UG
CHEV-SD3	WLRWTF98HEVSD3HEVSD3	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	7 UG	7 UG	7 UG
TOS-SD1	WLRWTF98TOSSD1TOSSD1	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	7 UG	7 UG	7 UG
TOS-SD2	WLRWTF98TOSSD2TOSSD2		13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 U	13.4 UT	13.4 U	13.4 U	13.4 U	13.4 U
TOS-SD3	WLRWTF98TOSSD3TOSSD3	1200 UG	168 UG	168 UG	336 UG	168 UG	168 UG	341 G	341 T	168 UG	189 G	168 UG	168 UG
TOS-SD4	WLRWTF98TOSSD4TOSSD4		6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	6.7 U	6.7 U	6.7 U
TOS-SD5	WLRWTF98TOSSD5TOSSD5	500 UG	7 UG	7 UG	7 UG	7 UG	7 UG	7 UG	500 UT	7 UG	9.72	7 UG	7 UG
DM-A	WRD&M98DMADMA		6.7 U	6.7 U	11.7	6.7 U	6.83	42.9	61.4 JT	10.9	41.4	44.4	61.1
DM-B	WRD&M98DMBDMB		25.6	50.8	117	34	76.8	552	856 JT	145	472	944	790
DM-C	WRD&M98DMCDMC		6.7 U	6.7 U	11	6.7 U	8.3	46.9	66.2 JT	10.9	41.2	68.6	70.6
DM-D	WRD&M98DMDDMD		24.3	11.6	82.8	21.4 J	13.7	163	317 JT	31.7	193	198	248
DM-E	WRD&M98DMEDME		6.7 U	6.7 U	6.7 U	6.7 UJ	6.81	22	28.8 JT	6.7 U	18.7	23.1	33.3
DM-F	WRD&M98DMFDMF		20.3	8.79	50.1	20.2 J	13.4	254	367 JT	32.1	185	209	271
DM-G	WRD&M98DMGDMG		6.7 U	6.7 U	6.7 U	6.7 UJ	6.7 U	14	14 JT	6.7 U	11.3	13.7	18.8
DM-H	WRD&M98DMHDMH		8.14	19.7	43.1	11 J	17.2	241	340 JT	34	218	274	277
DM-I	WRD&M98DMIDMI		6.7 U	6.7 U	6.7 U	6.7 UJ	8.54	33.8	42.3 JT	29.5	26	35.2	45.4
DM-J	WRD&M98DMJDMJ		7.07	6.7 U	11	6.7 U	11.6	55.2	84.9 JT	6.7 U	34.8	37.7	52.8
DM-K	WRD&M98DMKDMK		6.7 U	6.7 U	7.12	6.7 U	8	35	50.1 JT	6.7 U	21.3	27	36.6
DM-L	WRD&M98DMLDML		69.1	6.7 U	39.8	51.5	76.6	189	426 JT	11.7	82.5	58.3	90.9
SD001	WR-WSI98SD0010	100	90	100	130	76	260	630	1390 T	150	570	1100	950
SD002	WR-WSI98SD0020	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
SD003	WR-WSI98SD0030	92	110	72	200	110	170	1300	2050 T	140	940	1100	1100
SD004	WR-WSI98SD0040	19 U	19 U	19 U	24	19 U	19 U	190	214 T	19 U	77	100	96
SD005	WR-WSI98SD0050	74	150	63	110	100	180	610	1290 T	100	480	780	500
SD006	WR-WSI98SD0060	20 U	21	20 U	31	22	29	120	223 T	27	86	110	120
SD007	WR-WSI98SD0070	19 U	21	19 U	19 U	26	19 U	100	147 T	19 U	53	59	60
SD008	WR-WSI98SD0080	30	97	23	150	87	39	810	1240 T	110	530	510	860
SD009	WR-WSI98SD0090	28	74	19 U	49	86	30	310	577 T	27	100	120	110
SD010	WR-WSI98SD0100	20 U	20 U	20 U	20 U	20 U	20 U	36	36 T	20 U	35	46	41
SD011	WR-WSI98SD0110	140	120	31	100	86	270	480	1230 T	42	170	280	200
SD012	WR-WSI98SD0120	19 U	19 U	19 U	19 U	19 U	19 U	44	44 T	31	86	120	90
SD013	WR-WSI98SD0130	19 U	19 U	19 U	19 U	19 U	19 U	68	68 T	25	72	100	84
SD014	WR-WSI98SD0140	19 U	19 U	19 U	19 U	19 U	19 U	80	80 T	33	89	130	110
SD015	WR-WSI98SD0150	38	50	32	52	40	120	260	592 T	38	140	240	180
SD016	WR-WSI98SD0160	20 U	20 U	20 U	26	20 U	28	110	164 T	44	130	200	170
SD017	WR-WSI98SD0170	20 U	30	20 U	36	29	28	150	273 T	20 U	83	110	86
SD018	WR-WSI98SD0180	420	270	19 U	70	140	150	440	1490 T	24	120	150	140
SD019	WR-WSI98SD0190	19 U	31	19 U	43	26	29	150	279 T	22	90	130	100
SD020	WR-WSI98SD0200	19 U	20	19 U	33	19 U	19 U	88	141 T	19 U	57	78	58
SD021	WR-WSI98SD0210000CC	20 UT	30 T	20 UT	30 T	22 T	22 T	165 T	269 T	61.5 T	175 T	250 T	240 T
SD022	WR-WSI98SD0220	19 U	110	19 U	120	56	35	580	901 T	300	950	1300	1200
SD023	WR-WSI98SD0230	97 U	420	97 U	430	230	100	2200	3380 T	830	3200	4900	5600
SD024	WR-WSI98SD0240	19 U	26	19 U	28	20	30	120	224 T	21	83	120	99
SD025	WR-WSI98SD0250	19 U	25	19 U	30	22	22	160	259 T	19 U	170	260	250
SD026	WR-WSI98SD0260	20 U	31	20 U	29	27	30	130	247 T	20 U	81	120	92
SD027	WR-WSI98SD0270	19 U	36	19 U	50	27	19 U	300	413 T	120	380	650	680
SD028	WR-WSI98SD0280	20 U	50	20 U	35	51	23	220	379 T	20 U	74	78	80
SD029	WR-WSI98SD0290	37	88	20 U	97	67	74	490	853 T	210	620	810	1000
SD030	WR-WSI98SD0300	46	170	19 U	130	170	57	1100	1670 T	19 U	280	180	270
SD031	WR-WSI98SD0310	98 U	470	160	630	350	200	2800	4610 T	1000	3200	4900	4900
SD032	WR-WSI98SD0320	490	7800	98 U	8900	3500	990	36000	57700 T	25000	67000	94000	80000
SD033	WR-WSI98SD0330	99	970	35	1100	530	160	4800	7690 T	3600	8200	12000	9800
SD034	WR-WSI98SD0340	26	110	19 U	120	74	29	710	1070 T	270	720	1000	1100
SD035	WR-WSI98SD0350	19 U	29 N	19 U	25	26	20	130	230 T	19 U	74	110	83
SD036	WR-WSI98SD0360	26	81	19 U	61	82	30	540	820 T	26	160	140	120
SD037	WR-WSI98SD0370	19 U	29	19 U	31	21	50	140	271 T	29	91	140	100
SD038	WR-WSI98SD0380	19 U	26	19 U	30	21	29	130	236 T	28	100	160	110
SD039	WR-WSI98SD0390	54	120	22	120	95	130	920	1460 T	66	340	500	320
SD040	WR-WSI98SD0400	19 U	30	19 U	29	25	19 U	200	284 T	51	160	220	190
SD041	WR-WSI98SD0410	410	5000	150	2700	2100	1000	16000	27400 T	560	2600	3700	1800
SD042	WR-WSI98SD0420	20 U	20 U	20 U	20 U	20 U	36	79	115 T	21	64	81	75
SD043	WR-WSI98SD0430	19 U	43	19 U	48	34	37	210	372 T	23	130	150	120
SD044	WR-WSI98SD0440	32	56	20 U	120	54	50	410	722 T	45	210	260	210

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
OSS003	WLRELF99OSS003SD0021	35 G	80 T			31 G	59 G	120 G	37 G	110 G	530 T	591 T
OSS004	WLRELF99OSS004SD0011	8300 G	19300 T			3100 G	9500	9100	4700 G	7200	69700 T	71970 T
OSS005	WLRELF99OSS005SD0024	200 G	450 T			150 G	260 G	270 G	200 G	280 G	2120 T	2232 T
OSS006	WLRELF99OSS006SD0016	150	410 T			130	270	360	160	340	2040 T	2258 T
RB1	WLRELF99RB1SD1001	20.5 J	50.5 T			16.5 J	17.5	12.5 J	21.5 J	12 J	156 JT	156 JT
RB2	WLRELF99RB2SD1003	26 J	67.5 T			27.5 J	37.5 J	36 J	27 J	43 J	289 JT	300 JT
RB3	WLRELF99RB3SD1005	16 J	38.5 T			13.5 J	16 J	11.5 J	18 J	11 J	134 JT	134 JT
RB4	WLRELF99RB4SD1007	10 U	10 UT			6.5 J	10 U	12 J	7 J	10 U	25.5 JT	25.5 JT
RB5	WLRELF99RB5SD1009	12.5 J	25 T			11.5 J	12.5 J	15 J	14 J	16 J	119 JT	119 JT
RB6	WLRELF99RB6SD1011	24 J	50.5 T			33.5 J	17 J	11.5	41 J	12.5 J	213 JT	213 JT
RB6	WLRELF99RB6SD1013	10 U	11 T			8.5 J	10 U	12	9.5 J	12	53 JT	53 JT
GATX-SD1	WLRWTF98ATXSD1ATXSD1	17.2	33.4 T			13.4 U	39.7	126	13.4 U	89.9	358 T	450.5 JT
GATX-SD1	WLRWTF98ATXSD1TXSD1D	67 U	67 UT			67 U	13.4 U	28.6	67 U	19.3	47.9 T	47.9 T
GATX-SD2	WLRWTF98ATXSD2ATXSD2	7.97 G	19.6 T			13.5 G	18.5 G	34.9 G	9.84 G	30.7 G	153 T	169.9 T
GATX-SD2	WLRWTF98ATXSD2TXSD2D	7 UG	7.16 T			7.65 G	10.5 G	21.6 G	7 UG	18.1 G	80.5 T	90.05 T
GATX-SD4	WLRWTF98ATXSD4ATXSD4	6.7 U	6.7 UT			6.7 U	9.17	6.85	6.7 U	8.91	32.5 T	32.5 T
GATX-SD5	WLRWTF98ATXSD5ATXSD5	7 UG	7 UT			7 UG	7 UG	7 UG	7 UG	7 UG	7 UT	500 UT
CHEV-SD1	WLRWTF98HEVSD1HEVSD1	7 UG	7 UT			7 UG	7 UG	7 UG	7 UG	7 UG	7 UT	500 UT
CHEV-SD2	WLRWTF98HEVSD2HEVSD2	7 UG	7 UT			7 UG	7 UG	7 UG	7 UG	7 UG	7 UT	500 UT
CHEV-SD3	WLRWTF98HEVSD3HEVSD3	7 UG	7 UT			7 UG	7 UG	7 UG	7 UG	7 UG	7 UT	500 UT
TOS-SD1	WLRWTF98TOSSD1TOSSD1	7 UG	7 UT			7 UG	7 UG	7 UG	7 UG	7 UG	7 UT	500 UT
TOS-SD2	WLRWTF98TOSSD2TOSSD2	13.4 U	13.4 UT			13.4 U	13.4 U	15.7	13.4 U	15.7	31.4 T	31.4 T
TOS-SD3	WLRWTF98TOSSD3TOSSD3	168 UG	168 UT			168 UG	268 G	629 G	168 UG	410 G	1500 T	1841 T
TOS-SD4	WLRWTF98TOSSD4TOSSD4	6.7 U	6.7 UT			6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 UT
TOS-SD5	WLRWTF98TOSSD5TOSSD5	7 UG	7 UT			7 UG	10.9 G	20.1 G	7 UG	20.9 G	61.6 T	61.6 T
DM-A	WRD&M98DMADMA	40.4	102 T			32	60.8	81.5	35	85.7	493 T	554.4 JT
DM-B	WRD&M98DMBDMB	464	1250 T			647	637	1210	776	1820	7910 T	8766 JT
DM-C	WRD&M98DMCDMC	47.8	118 T			81.3	61.4	96.9	61	117	657 T	723.2 JT
DM-D	WRD&M98DMDDMD	144	392 T			113	256	324	121	375	2000 T	2317 JT
DM-E	WRD&M98DMEDME	15.7	49 T			18.6	28.6	38.6	17.8	45.5	240 T	268.8 JT
DM-F	WRD&M98DMFDMF	175	446 T			123	241	409	122	445	2210 T	2577 JT
DM-G	WRD&M98DMGDMG	12.6	31.4 T			13.1	19.8	23.1	10.8	30.1	153 T	167 JT
DM-H	WRD&M98DMHDMH	232	509 T			244	274	520	219	845	3140 T	3480 JT
DM-I	WRD&M98DMIDMI	28.4	73.8 T			30.3	40.9	60.7	26.9	69.6	393 T	435.3 JT
DM-J	WRD&M98DMJDMJ	35.6	88.4 T			30.1	49.2	111	28.6	103	483 T	567.9 JT
DM-K	WRD&M98DMKDMK	25	61.6 T			26.5	35.5	60.9	24.5	64.5	322 T	372.1 JT
DM-L	WRD&M98DMLDML	49.6	141 T			54.7	102	327	49.2	264	1090 T	1516 JT
SD001	WR-WSI98SD0010	540	1490 T			710	760	1100	570	1300	7750 T	9140 T
SD002	WR-WSI98SD0020	20 U	20 UT			20 U	20 U	22	20 U	40	62 T	62 T
SD003	WR-WSI98SD0030	630	1730 T			580	1100	2500	520	2300	10900 T	12950 T
SD004	WR-WSI98SD0040	77	173 T			60	130	340	54	320	1250 T	1464 T
SD005	WR-WSI98SD0050	520	1020 T			460	620	1100	400	1300	6260 T	7550 T
SD006	WR-WSI98SD0060	94	214 T			59 J	120	200	71	170	1060 JT	1283 JT
SD007	WR-WSI98SD0070	61	121 T			37	72	160	35	120	657 T	804 T
SD008	WR-WSI98SD0080	600	1460 T			200 J	1100	2200	260	1400	7770 JT	9010 JT
SD009	WR-WSI98SD0090	110	220 T			48 J	130	340	69	240	1290 JT	1867 JT
SD010	WR-WSI98SD0100	40	81 T			38	50	69	31	67	417 T	453 T
SD011	WR-WSI98SD0110	230	430 T			170	240	470	160	560	2520 T	3750 T
SD012	WR-WSI98SD0120	100	190 T			80	110	110	72	110	909 T	953 T
SD013	WR-WSI98SD0130	100	184 T			62 J	96	140	61	130	870 JT	938 JT
SD014	WR-WSI98SD0140	140	250 T			80 J	120	170	82	160	1110 JT	1190 JT
SD015	WR-WSI98SD0150	180	360 T			160	210	410	140	450	2150 T	2742 T
SD016	WR-WSI98SD0160	160	330 T			130	180	240	120	230	1600 T	1764 T
SD017	WR-WSI98SD0170	110	196 T			66 J	130	240	63	240	1130 JT	1403 JT
SD018	WR-WSI98SD0180	100	240 T			90	160	390	79	360	1610 T	3100 T
SD019	WR-WSI98SD0190	95	195 T			81 J	120	230	75	220	1160 JT	1439 JT
SD020	WR-WSI98SD0200	66	124 T			49	82	96	61	120	667 T	808 T
SD021	WR-WSI98SD0210000CC	230 T	470 T			115 T	235 T	365 T	140 T	295 T	2110 T	2379 T
SD022	WR-WSI98SD0220	1000	2200 T			760	1100	1200	730	1200	9740 T	10641 T
SD023	WR-WSI98SD0230	3600	9200 T			2500	3200	4200	3300	4600	35900 T	39280 T
SD024	WR-WSI98SD0240	89	188 T			69 J	120	210	66	220	1100 JT	1324 JT
SD025	WR-WSI98SD0250	230	480 T			96	240	280	160	300	1990 T	2249 T
SD026	WR-WSI98SD0260	83	175 T			59	120	160	94	220	1030 T	1277 T
SD027	WR-WSI98SD0270	460	1140 T			330	420	520	420	630	4610 T	5023 T
SD028	WR-WSI98SD0280	58	138 T			36	120	210	61	210	927 T	1306 T
SD029	WR-WSI98SD0290	500	1500 T			470	790	1200	470	1200	7270 T	8123 T
SD030	WR-WSI98SD0300	240	510 T			62	400	1400	94	1300	4230 T	5900 T
SD031	WR-WSI98SD0310	3700	8600 T			2700	3300	4700	3500	5500	37400 T	42010 T
SD032	WR-WSI98SD0320	76000	156000 T			44000	73000	81000	50000	87000	677000 T	734700 T
SD033	WR-WSI98SD0330	9200	19000 T			8700	9500	12000	8000	12000	93000 T	100690 T
SD034	WR-WSI98SD0340	790	1890 T			540 J	930	1400	620	1000	8370 JT	9440 JT
SD035	WR-WSI98SD0350	80	163 T			77	92	120	76	200	912 T	1142 T
SD036	WR-WSI98SD0360	150	270 T			83	190	560	75	470	1970 T	2790 T
SD037	WR-WSI98SD0370	110	210 T			110	120	220	90	220	1230 T	1501 T
SD038	WR-WSI98SD0380	120	230 T			120	140	230	89	230	1330 T	1566 T
SD039	WR-WSI98SD0390	360	680 T			340	460	1200	280	1100	4970 T	6430 T
SD040	WR-WSI98SD0400	190	380 T			140	220	310	120	310	1910 T	2194 T
SD041	WR-WSI98SD0410	2300	4100 T			3100	3500	10000	2300	12000	41900 T	69300 T
SD042	WR-WSI98SD0420	75	150 T			57	97	140	48	140	798 T	913 T
SD043	WR-WSI98SD0430	140	260 T			95	180	700	83	490	2110 T	2482 T
SD044	WR-WSI98SD0440	240	450 T			160	310	720	140	600	2900 T	3622 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
SD045	WR-WSI98SD0450	29	61	19 U	49	51	50	260	500 T	19 U	82	56	100
SD046	WR-WSI98SD0460	20 U	40	20 U	34	31	33	150	288 T	21	86	83	100
SD047	WR-WSI98SD0470	19 U	30	19 U	39	25	28	140	262 T	19 U	79	120	96
SD048	WR-WSI98SD0480000CC	23 T	48 T	19 UT	58 T	37 T	52.5 T	220 T	439 T	42 T	160 T	265 T	180 T
SD049	WR-WSI98SD0490	47	80	19 U	54	74	62	420	737 T	23	140	120	130
SD050	WR-WSI98SD0500	32	70	20	79	50	86	290	627 T	42	190	140	190
SD051	WR-WSI98SD0510	530	760	19 U	150	380	360	1200	3380 T	73	380	390	370
SD052	WR-WSI98SD0520	50	66	26	100	64	97	450	853 T	67	270	440	290
SD053	WR-WSI98SD0530	67	85	20 J	96	83	210	520	1080 JT	80	300	390	320
SD055	WR-WSI98SD0550	19 U	28	19 U	27	20	27	110	212 T	40	140	230	160
SD056	WR-WSI98SD0560	240	340	110	680	410	680	2200	4660 T	300	1400	1700	1000
SD057	WR-WSI98SD0570	45	110	19 U	210	110	62	440	977 T	45	160	230	170
SD058	WR-WSI98SD0580	37	45	20	41	33	90	150	416 T	53	190	310	180
SD059	WR-WSI98SD0590	27	73	20 U	55	61	54	270	540 T	25	100	120	95
SD060	WR-WSI98SD0600	66	60	57	90	56	160	450	939 T	98	330	510	410
SD061	WR-WSI98SD0610	21	63	24	82	61	40	420	711 T	65	290	330	310
SD062	WR-WSI98SD0620	18000	15000	560	24000	20000	1900	150000	229000 T	9200	72000	57000	33000
SD063	WR-WSI98SD0630	680	2600	370	3400	2400	1200	17000	27700 T	1000	4000	5100	3100
SD064	WR-WSI98SD0640	44000	51000	3400	26000	22000	130000	170000	446000 T	6200	28000	40000	23000
SD065	WR-WSI98SD0650	11000	15000	3600	17000	10000	20000	100000	177000 T	3800	18000	23000	14000
SD066	WR-WSI98SD0660	180	220	34	210	120	320	1000	2080 T	71	360	410	300
SD067	WR-WSI98SD0670	7600	11000	2000	13000	9400	13000	64000	120000 T	2500	14000	15000	12000
SD068	WR-WSI98SD0680	2700	15000	740	6000	4900	790	33000	63100 T	1500	6300	8000	3900
SD069	WR-WSI98SD0690	210	5600	180	22000	6700	200	31000	65900 T	390	4800	2400	1900
SD070	WR-WSI98SD0700000CC	385 T	8100 T	51.5 T	5750 T	7900 T	395 T	29000 T	51600 T	165 T	2250 T	1120 T	935 T
SD071	WR-WSI98SD0710	20 U	20 U	20 U	20 U	20 U	36	60	96 T	20 U	40	40	44
SD072	WR-WSI98SD0720	130	1500	85	440	960	210	1800	5130 T	160	700	980	800
SD073	WR-WSI98SD0730	20 U	20 U	20 U	20 U	20 U	24	54	78 T	20 U	24	24	25
SD074	WR-WSI98SD0740	47	47	20 U	60	55	31	350	590 T	26	180	160	91
SD075	WR-WSI98SD0750	180	3800	140	1300	2400	350	5500	13700 T	220	1500	1300	1100
SD076	WR-WSI98SD0760	20 U	20 U	20 U	20 U	20 U	20 U	42	42 T	20 U	26	26	25
SD077	WR-WSI98SD0770	430	2400	140	420	1400	300	2200	7290 T	140	740	890	700
SD078	WR-WSI98SD0780	24	46	19 U	60	34	55	230	449 T	74	240	360	300
SD079	WR-WSI98SD0790	44	36	20 U	76	37	92	160	445 T	24	120	140	160
SD080	WR-WSI98SD0800	19 U	32	19 U	64	30	31	180	337 T	34	220	240	170
SD081	WR-WSI98SD0810	20 U	20 U	20 U	20 U	20 U	20 U	45	45 T	20 U	46	79	54
SD082	WR-WSI98SD0820	19 U	19 U	19 U	19 U	19 U	21	41	62 T	19 U	19 U	19 U	23
SD083	WR-WSI98SD0830	19 U	25	19 U	51	29	25	170	300 T	19 U	180	240	230
SD084	WR-WSI98SD0840	20 U	20 U	20 U	20 U	20 U	20 U	71	71 T	20 U	66	68	59
SD085	WR-WSI98SD0850	20 U	21	20 U	67	20 U	22	110	220 T	20 U	120	140	120
SD086	WR-WSI98SD0860	19 U	19 U	19 U	19 U	19 U	19 U	26	26 T	19 U	20	22	33
SD087	WR-WSI98SD0870	20 U	23	20 U	41	27	20 U	150	241 T	20 U	150	150	160
SD088	WR-WSI98SD0880	22	80	19 U	47	54	19 U	350	553 T	19 U	220	150	180
SD089	WR-WSI98SD0890	19 U	19 U	19 U	19 U	19 U	23	26	49 T	19 U	19 U	19 U	19 U
SD090	WR-WSI98SD0900	24	170	20 U	77	160	20 U	710	1140 T	26	310	180	210
SD091	WR-WSI98SD0910	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	19 U	19 U	19 U	19 U
SD092	WR-WSI98SD0920000CC	19 UT	30 T	19 UT	29.5 T	21 T	40 T	180 T	301 T	19 UT	135 T	175 T	165 T
SD093	WR-WSI98SD0930	19 U	19 U	19 U	19 U	19 U	19 U	43	43 T	19 U	37	42	46
SD094	WR-WSI98SD0940	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	19 U	19 U	19 U	19 U
SD095	WR-WSI98SD0950	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U
SD096	WR-WSI98SD0960	20 U	20 U	29	24	20 U	20 U	110	163 T	72	240	400	240
SD097	WR-WSI98SD0970	29	19 J	20 U	20 U	19 J	20 U	87	154 JT	20 U	49	56	60
SD098	WR-WSI98SD0980	19 U	19 U	19 U	19 U	19 U	19 U	21	21 T	19 U	19 U	19 U	20
SD099	WR-WSI98SD0990	19 U	19 U	19 U	19 U	19 U	19 U	73	73 T	19 U	42	32	46
SD100	WR-WSI98SD1000	19 U	19 U	19 U	19 U	19 U	19 U	39	39 T	19 U	28	36	30
SD101	WR-WSI98SD1010	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	19 U	19 U	19 U	19 U
SD102	WR-WSI98SD1020	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	19 U	19 U	19 U	19 U
SD103	WR-WSI98SD1030	20 U	23	20 U	45	35	20 U	310	413 T	21	120	82	100
SD104	WR-WSI98SD1040	19 U	19 U	19 U	19 U	19 U	19 U	40	40 T	19 U	34	49	54
SD105	WR-WSI98SD1050	19 U	19 U	19 U	19 U	19 U	19 U	71	71 T	19 U	38	36	36
SD106	WR-WSI98SD1060	20 U	20 U	20 U	20 U	20 U	20 U	23	23 T	20 U	20 U	19 J	20
SD107	WR-WSI98SD1070	22	54	19 U	38	66	21	350	551 T	19 U	100	79	84
SD108	WR-WSI98SD1080	20 U	20 U	20 U	20 U	20 U	20 U	22	22 T	20 U	20 U	20 U	20 U
SD109	WR-WSI98SD1090	20 U	49	20 U	34	58	26	300	467 T	20 U	100	91	100
SD110	WR-WSI98SD1100	19 U	39	19 U	22	46	34	210	351 T	19 U	45	44	32
SD111	WR-WSI98SD1110	20 U	20 U	20 U	20 U	20 U	20 U	29	29 T	20 U	21	26	19 J
SD112	WR-WSI98SD1120	19 U	25	19 U	21	26	19 U	150	222 T	19 U	81	71	65
SD113	WR-WSI98SD1130	20 U	26	20 U	31	29	21	150	257 T	20 U	49	48	45
SD114	WR-WSI98SD1140	20 U	23	20 U	27 N	37	20 U	180	267 T	20 U	140	180	200
SD115	WR-WSI98SD1150	20 U	20 U	20 U	20 U	20 U	20 U	37	37 T	20 U	24	32	26
SD116	WR-WSI98SD1160	20 U	20 U	20 U	20 U	20 U	20 U	27	27 T	20 U	20 U	20 J	20 U
SD117	WR-WSI98SD1170000CC	20 UT	25 T	20 UT	22.5 T	20 UT	29.5 T	100 T	177 T	20 UT	62 T	72 T	53.5 T
SD118	WR-WSI98SD1180	20 U	20 J	25	110	20 U	20 U	290	445 JT	20 U	200	220	100
SD119	WR-WSI98SD1190	19 U	19 U	19 U	19 U	19 U	19 U	28	28 T	19 U	19 J	23	22
SD120	WR-WSI98SD1200	20 U	20 U	20 U	20 U	20 U	20 U	25	25 T	20 U	23	24	24
SD121	WR-WSI98SD1210	20 U	20 U	20 U	20 U	20 U	20 U	22	22 T	20 U	20 U	22	20 U
SD122	WR-WSI98SD1220	19 U	19 U	19 U	19 U	19 U	19 U	31	31 T	19 U	19	25	26
SD123	WR-WSI98SD1230	19 U	19 U	19 U	19 U	19 U	19 U	33	33 T	19 U	20	20	21
SD124	WR-WSI98SD1240	20 U	20 U	20 U	20 U	20 U	20 U	67	67 T	20 U	35	45	37
SD125	WR-WSI98SD1250	19 U	19 U	19 U	19 U	19 U	19 U	28	28 T	19 U	22	30	24
SD126	WR-WSI98SD1260	20 U	20 U	20 U	20 U	20 U	20 U	47	47 T	20 U	37	40	36

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
SD045	WR-WSI98SD0450	87	187 T			19 UJ	120	250	41	250	986 T	1486 T
SD046	WR-WSI98SD0460	90	190 T			20 U	120	210	57	190	957 T	1245 T
SD047	WR-WSI98SD0470	94	190 T			19 UJ	120	200	62	260	1030 T	1292 T
SD048	WR-WSI98SD0480000CC	190 T	370 T			175 T	230 T	350 T	145 T	360 T	2100 T	2539 T
SD049	WR-WSI98SD0490	93	223 T			67	160	560	58	380	1730 T	2467 T
SD050	WR-WSI98SD0500	220	410 T			20 U	260	430	89	380	1940 T	2567 T
SD051	WR-WSI98SD0510	340	710 T			250	470	1300	220	900	4690 T	8070 T
SD052	WR-WSI98SD0520	320	610 T			320	390	780	260	770	3910 T	4763 T
SD053	WR-WSI98SD0530	300	620 T			240	390	800	210	710	3740 T	4820 JT
SD055	WR-WSI98SD0550	140	300 T			190	180	250	150	270	1750 T	1962 T
SD056	WR-WSI98SD0560	1000	2000 T			1300	1700	3900	1100	3900	17300 T	21960 T
SD057	WR-WSI98SD0570	170	340 T			170	220	410	140	370	2090 T	3067 T
SD058	WR-WSI98SD0580	220	400 T			240	230	340	190	380	2330 T	2746 T
SD059	WR-WSI98SD0590	93	188 T			97	140	290	79	250	1290 T	1830 T
SD060	WR-WSI98SD0600	340	750 T			400	440	790	310	820	4450 T	5389 T
SD061	WR-WSI98SD0610	240	550 T			220	380	910	190	690	3630 T	4341 T
SD062	WR-WSI98SD0620	140000	47000 T			40000	100000	47000	12000	140000	524000 T	753000 T
SD063	WR-WSI98SD0630	3200	6300 T			3600	5600	11000	3000	18000	57600 T	85300 T
SD064	WR-WSI98SD0640	14000	37000 T			24000 J	36000	110000	19000	120000	420000 JT	866000 JT
SD065	WR-WSI98SD0650	12000	26000 T			13000 J	23000	72000	10000	80000	269000 JT	446000 JT
SD066	WR-WSI98SD0660	290	590 T			270	470	1100	220	990	4480 T	6560 T
SD067	WR-WSI98SD0670	10000	22000 T			13000	17000	45000	9500	54000	192000 T	312000 T
SD068	WR-WSI98SD0680	5400	9300 T			5900 J	8600	20000	4200	26000	89800 JT	152900 JT
SD069	WR-WSI98SD0690	1400	3300 T			1100	6300	22000	1100	17000	58400 T	124300 T
SD070	WR-WSI98SD0700000CC	985 T	1920 T			375 T	2500 T	14300 T	405 T	12700 T	35700 T	87300 T
SD071	WR-WSI98SD0710	39	83 T			28	56	110	22	87	466 T	562 T
SD072	WR-WSI98SD0720	630	1430 T			600	1100	1500	560	1600	8630 T	13760 T
SD073	WR-WSI98SD0730	28	53 T			20 U	36	71	20 U	57	265 T	343 T
SD074	WR-WSI98SD0740	98	189 T			82	270	210	57	290	1460 T	2050 T
SD075	WR-WSI98SD0750	1100	2200 T			810	1700	3500	730	3300	15300 T	29000 T
SD076	WR-WSI98SD0760	31	56 T			20 J	40	74	20 U	61	303 JT	345 JT
SD077	WR-WSI98SD0770	670	1370 T			420 J	920	1700	380	2500	9060 JT	16350 JT
SD078	WR-WSI98SD0780	310	610 T			200	340	440	190	580	3030 T	3479 T
SD079	WR-WSI98SD0790	160	320 T			58	220	280	62	350	1570 T	2015 T
SD080	WR-WSI98SD0800	190	360 T			130	310	310	140	390	2130 T	2467 T
SD081	WR-WSI98SD0810	63	117 T			61	71	81	63	120	638 T	683 T
SD082	WR-WSI98SD0820	19 U	23 T			19 U	26	56	19 U	41	146 T	208 T
SD083	WR-WSI98SD0830	150	380 T			150	300	330	150	500	2230 T	2530 T
SD084	WR-WSI98SD0840	64	123 T			42	92	120	46	150	707 T	778 T
SD085	WR-WSI98SD0850	110	230 T			88	160	180	95	260	1270 T	1490 T
SD086	WR-WSI98SD0860	22	55 T			19 U	35	56	19 U	44	232 T	258 T
SD087	WR-WSI98SD0870	140	300 T			90	260	290	96	320	1660 T	1901 T
SD088	WR-WSI98SD0880	170	350 T			66	310	740	82	600	2520 T	3073 T
SD089	WR-WSI98SD0890	19 U	19 UT			19 U	21	36	19 U	32	89 T	138 T
SD090	WR-WSI98SD0900	200	410 T			76	330	790	95	710	2930 T	4070 T
SD091	WR-WSI98SD0910	19 U	19 UT			19 U	20	27	19 U	30	77 T	77 T
SD092	WR-WSI98SD0920000CC	130 T	295 T			140 T	195 T	310 T	135 T	330 T	1720 T	2021 T
SD093	WR-WSI98SD0930	37	83 T			32	59	94	33	67	447 T	490 T
SD094	WR-WSI98SD0940	19 U	19 UT			19 U	19 U	26	19 U	23	49 T	49 T
SD095	WR-WSI98SD0950	20 U	20 UT			20 U	20 U	28	20 U	28	56 T	56 T
SD096	WR-WSI98SD0960	260	500 T			380	280	550	300	770	3490 T	3653 T
SD097	WR-WSI98SD0970	41	101 T			50	73	110	43	130	612 T	766 JT
SD098	WR-WSI98SD0980	19 U	20 T			19 U	23	35	19 U	30	108 T	129 T
SD099	WR-WSI98SD0990	42	88 T			19 U	78	160	19 U	130	530 T	603 T
SD100	WR-WSI98SD1000	27	57 T			33	40	59	31	72	356 T	395 T
SD101	WR-WSI98SD1010	19 U	19 UT			19 U	19	27	19 U	28	74 T	74 T
SD102	WR-WSI98SD1020	19 U	19 UT			19 U	19 U	26	19 U	34	60 T	60 T
SD103	WR-WSI98SD1030	100	200 T			43	210	590	42	440	1750 T	2163 T
SD104	WR-WSI98SD1040	42	96 T			47	58	86	48	78	496 T	536 T
SD105	WR-WSI98SD1050	46	82 T			22	58	120	29	120	505 T	576 T
SD106	WR-WSI98SD1060	20 U	20 T			20 U	24	28	20 U	34	125 JT	148 JT
SD107	WR-WSI98SD1070	93	177 T			37	170	430	52	390	1440 T	1991 T
SD108	WR-WSI98SD1080	20 U	20 UT			20 U	21	28	20 U	34	83 T	105 T
SD109	WR-WSI98SD1090	94	194 T			46	150	360	57	300	1300 T	1767 T
SD110	WR-WSI98SD1100	45	77 T			20	64	180	31	160	621 T	972 T
SD111	WR-WSI98SD1110	20	39 T			19 J	31	44	20 U	48	228 JT	257 JT
SD112	WR-WSI98SD1120	76	141 T			37	110	370	49	270	1130 T	1352 T
SD113	WR-WSI98SD1130	51	96 T			25	72	180	30	150	650 T	907 T
SD114	WR-WSI98SD1140	180	380 T			130	240	250	160	260	1740 T	2007 T
SD115	WR-WSI98SD1150	25	51 T			20 U	40	74	22	69	312 T	349 T
SD116	WR-WSI98SD1160	20 U	20 UT			20 U	20	30	20 U	35	105 JT	132 JT
SD117	WR-WSI98SD1170000CC	61 T	115 T			54.5 T	80 T	110 T	50.5 T	170 T	714 T	891 T
SD118	WR-WSI98SD1180	170	270 T			98	260	260	97	460	1870 T	2315 JT
SD119	WR-WSI98SD1190	18 J	40 T			22	28	39	19 U	54	225 JT	253 JT
SD120	WR-WSI98SD1200	20	44 T			20 U	38	56	20 U	50	235 T	260 T
SD121	WR-WSI98SD1210	20 U	20 UT			20 U	22	30	20 U	36	110 T	132 T
SD122	WR-WSI98SD1220	20	46 T			18 J	30	46	19 U	53	237 JT	268 JT
SD123	WR-WSI98SD1230	19	40 T			19 U	41	55	19 U	46	222 T	255 T
SD124	WR-WSI98SD1240	36	73 T			26	52	70	28	89	418 T	485 T
SD125	WR-WSI98SD1250	24	48 T			19 U	35	45	24	57	261 T	289 T
SD126	WR-WSI98SD1260	36	72 T			38	55	97	33	96	468 T	515 T

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Table C2-9. PAH Values Used in Total PAH Calculations for Surface Sediment Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**												
SD127	WR-WSI98SD1270	19 U	19 U	19 U	19 U	19 U	19 U	25	25 T	19 U	20	24	22
SD128	WR-WSI98SD1280	35	130	20 U	160	170	57	1200	1750 T	120	700	820	1100
SD129	WR-WSI98SD1290	26	33	19 U	50	38	62	250	459 T	34	160	210	230
SD130	WR-WSI98SD1300	19 U	19 U	19 U	19 U	19 U	19 U	33	33 T	19 U	23	29	26
SD131	WR-WSI98SD1310	20 U	20 U	20 U	20	20 U	20 U	39	59 T	20 U	33	41	40
SD132	WR-WSI98SD1320	20 U	20 U	20 U	20 U	20 U	20 U	32	32 T	20 U	29	39	29
SD133	WR-WSI98SD1330	32	94	19 U	120	100	29	580	955 T	38	400	380	330
SD134	WR-WSI98SD1340	20 U	21	20 U	47	26	23	200	317 T	24	130	140	140
SD135	WR-WSI98SD1350	20 U	20 U	20 U	20 U	20 U	20 U	71	71 T	20 U	34	46	41
SD136	WR-WSI98SD1360	19 U	19 U	19 U	19	19 U	19 U	110	129 T	19 U	69	85	110
SD137	WR-WSI98SD1370000CC	19 UT	19 UT	19 UT	19 UT	19 UT	19 UT	67 T	67 T	19 UT	32 T	36 T	40 T
SD138	WR-WSI98SD1380	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 UT	19 U	19 U	20	22
SD139	WR-WSI98SD1390	19 U	19 U	19 U	45	19 J	22	120	206 JT	19 U	63	170	120
SD140	WR-WSI98SD1400	20 U	20 U	20 U	20 U	20 U	20 U	62	62 T	20 U	40	36	40
SD141	WR-WSI98SD1410000CC	20 UT	20 UT	20 UT	24 T	20 T	31 T	115 T	190 T	20 UT	92.5 T	109 T	128 T
SD142	WR-WSI98SD1420	19 U	35	19 U	20	33	19 U	140	228 T	19 U	58	48	55
SD143	WR-WSI98SD1430	36	20	19 U	19 U	27	19 U	110	193 T	19 U	38	55	64
SD144	WR-WSI98SD1440	19 U	19 U	19 U	19 U	19 U	19 U	58	58 T	19 U	38	41	59
SD145	WR-WSI98SD1450	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 UT	24 U	24 J	38	34
SD146	WR-WSI98SD1460	19 U	19 U	19 U	19 U	19 U	19 U	32	32 T	19 U	22	23	24
SD147	WR-WSI98SD1470	19 U	19 U	19 U	19 U	19 U	19 U	25	25 T	19 U	22	27	26
SD148	WR-WSI98SD1480	25	47	20 U	41	38	110	190	451 T	20 U	88	120	120
SD149	WR-WSI98SD1490	20 U	20 U	20 U	23	19 J	20 U	180	222 JT	19 J	84	63	120
SD150	WR-WSI98SD1500	23 U	23 U	23 U	23 U	23 U	23 U	100	100 T	23 U	91	140	82
SD151	WR-WSI98SD1510000CC	19 UT	22 T	19 UT	26 T	23.5 JT	19 UT	160 T	232 JT	21 T	112 T	91.5 T	155 T

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Table C2-9. PAH Values Used in Total PAH Calculations for face Sediment Samples.

	CAS No	207-08-9	BKBFLANTH	BKJFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k)fluoranthene	Benzo(b+k) fluoranthene	Benzo(j+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
SD127	WR-WSI98SD1270	24	46 T			19 U	31	45	24	48	238 T	263 T
SD128	WR-WSI98SD1280	510	1610 T			290	920	1900	430	1400	8190 T	9940 T
SD129	WR-WSI98SD1290	180	410 T			130	320	570	130	510	2470 T	2929 T
SD130	WR-WSI98SD1300	30	56 T			20	35	53	26	51	293 T	326 T
SD131	WR-WSI98SD1310	33	73 T			28	60	78	24	69	406 T	465 T
SD132	WR-WSI98SD1320	35	64 T			25	44	43	22	50	316 T	348 T
SD133	WR-WSI98SD1330	390	720 T			210	480	530	240	690	3690 T	4645 T
SD134	WR-WSI98SD1340	130	270 T			59	200	330	84	300	1540 T	1857 T
SD135	WR-WSI98SD1350	29	70 T			29	58	98	24	79	438 T	509 T
SD136	WR-WSI98SD1360	74	184 T			49	130	240	48	220	1030 T	1159 T
SD137	WR-WSI98SD1370000CC	30 T	70 T			23 T	61 T	73 T	20 T	59.5 JT	375 JT	442 JT
SD138	WR-WSI98SD1380	19 U	22 T			19 U	25	34	19 U	32	133 T	133 T
SD139	WR-WSI98SD1390	230	350 T			91	370	250	80	370	1740 T	1946 JT
SD140	WR-WSI98SD1400	32	72 T			22	91	130	23	110	524 T	586 T
SD141	WR-WSI98SD1410000CC	111 T	239 T			56.5 T	160 T	235 T	60.5 T	290 T	1240 T	1430 T
SD142	WR-WSI98SD1420	56	111 T			27	86	200	33	140	703 T	931 T
SD143	WR-WSI98SD1430	37	101 T			28	68	110	32	110	542 T	735 T
SD144	WR-WSI98SD1440	38	97 T			28	68	110	31	88	501 T	559 T
SD145	WR-WSI98SD1450	37	71 T			30	39	31	30	47	310 JT	310 JT
SD146	WR-WSI98SD1460	20	44 T			19 U	38	55	19 U	50	232 T	264 T
SD147	WR-WSI98SD1470	31	57 T			19 U	37	57	19 U	54	254 T	279 T
SD148	WR-WSI98SD1480	97	217 T			72	130	220	73	340	1260 T	1711 T
SD149	WR-WSI98SD1490	86	206 T			43	170	320	46	240	1190 JT	1412 JT
SD150	WR-WSI98SD1500	96	178 T			98	150	120	75	260	1110 T	1210 T
SD151	WR-WSI98SD1510000CC	114 T	269 T			66 T	180 T	310 T	66 T	215 T	1330 T	1562 JT

Notes:
G - Estimate is greater than value shown.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material, identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-10. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C093	LW2-C093-A	0.08 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
C106	LW2-C106-A	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C109	LW2-C109-A	0.076 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C167	LW2-C167-A	0.093 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
C312	LW2-C312-A	0.26 J	0.86 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.26 JT
C358	LW2-C358-A	0.092 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
C522	LW2-C522-A	0.081 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
C523	LW2-C523-A	0.099 J	0.23 U	0.28 J	0.2 U	0.14 J	0.14 JT	0.519 JT
C525	LW2-C525-A	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C527	LW2-C527-A	0.092 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
C528	LW2-C528-A	0.093 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
C529	LW2-C529-A	0.085 U	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.33 UT
C530	LW2-C530-A	0.076 U	0.29 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.29 UT
C531	LW2-C531-A	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C532	LW2-C532-A	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G061	LW2-G061	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G062	LW2-G062	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G064	LW2-G064	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
G067	LW2-G067	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G073	LW2-G073	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G074	LW2-G074	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G078	LW2-G078	0.053 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G079	LW2-G079	0.054 U	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G080	LW2-G080	0.055 U	0.21 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.21 UT
G082	LW2-G082	0.054 U	0.21 U	0.099 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G083	LW2-G083	0.068 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
G084	LW2-G084	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
G085	LW2-G085	0.08 U	0.31 U	0.15 U	0.31 J	0.66 J	0.97 JT	0.97 JT
G086	LW2-G086	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
G087	LW2-G087	0.071 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
G088	LW2-G088	0.079 U	0.31 U	0.15 U	0.27 U	0.22 J	0.22 JT	0.22 JT
G089	LW2-G089	0.08 J	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.08 JT
G090	LW2-G090	0.09 J	0.31 U	0.15 U	0.27 U	0.23 J	0.23 JT	0.32 JT
G091	LW2-G091	0.082 U	0.32 U	0.15 U	0.44 J	0.36 J	0.8 JT	0.8 JT
G092	LW2-G092	0.72 J	0.58 U	0.57 J	2.2	1.1 J	3.3 JT	4.59 JT
G093	LW2-G093	0.075 U	0.29 U	0.14 U	0.25 U	0.19 U	0.25 UT	0.29 UT
G094	LW2-G094	0.078 U	0.3 U	0.15 U	0.26 U	0.23 U	0.26 UT	0.3 UT
G096	LW2-G096	0.06 U	0.24 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.24 UT
G099	LW2-G099	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G103	LW2-G103	0.067 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
G106	LW2-G106	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
G109	LW2-G109	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G111	LW2-G111	0.11 J	0.29 U	0.17 J	0.25 U	0.43 J	0.43 JT	0.71 JT
G112	LW2-G112	0.082 U	0.32 U	0.15 U	0.28 U	0.16 U	0.28 UT	0.32 UT
G115-1	LW2-G115-1	0.072 UT	0.29 JT	0.14 UT	0.24 UT	0.14 UT	0.24 UT	0.29 JT
G115-2	LW2-G115-2	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
G116	LW2-G116	0.085 U	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.33 UT
G118	LW2-G118	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G121	LW2-G121	0.089 U	0.35 U	0.17 U	0.3 U	0.18 U	0.3 UT	0.35 UT
G122	LW2-G122	0.086 U	0.34 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.34 UT
G123	LW2-G123	0.063 U	0.25 U	0.12 U	0.21 U	0.13 U	0.21 UT	0.25 UT
G124	LW2-G124	0.055 U	0.21 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.21 UT
G126	LW2-G126	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G127	LW2-G127	0.081 UJ	0.31 UJ	0.15 UJ	0.27 UJ	0.16 UJ	0.27 UJT	0.31 UJT
G130	LW2-G130	0.066 UJ	0.26 UJ	0.12 UJ	0.22 UJ	0.13 UJ	0.22 UJT	0.26 UJT
G144	LW2-G144	0.095 U	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.37 UT
G145	LW2-G145	0.094 U	0.37 U	0.3 J	0.32 U	0.19 U	0.32 UT	0.3 JT
G147	LW2-G147	0.06 UJ	0.23 UJ	0.11 UJ	0.2 UJ	0.12 UJ	0.2 UJT	0.23 UJT
G148	LW2-G148	0.086 U	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.33 UT
G150	LW2-G150	0.075 U	0.29 U	0.14 U	0.25 U	0.36 J	0.36 JT	0.36 JT
G152	LW2-G152	0.083 U	0.32 U	0.16 U	0.28 U	0.16 U	0.28 UT	0.32 UT
G156	LW2-G156	0.081 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
G157	LW2-G157	0.054 U	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G158	LW2-G158	0.085 U	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.33 UT
G160	LW2-G160	0.055 U	0.21 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.21 UT
G161	LW2-G161	0.054 U	0.21 U	0.098 U	0.61 J	0.29 U	0.61 JT	0.61 JT
G162	LW2-G162	0.089 U	0.34 U	0.17 U	0.3 U	0.17 U	0.3 UT	0.34 UT
G163	LW2-G163	0.048 U	0.19 U	0.087 U	0.16 U	0.091 U	0.16 UT	0.19 UT
G166	LW2-G166	0.058 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
G169	LW2-G169	0.092 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
G170	LW2-G170	0.064 U	0.25 U	0.12 U	0.22 U	1.4	1.4 T	1.4 T
G171	LW2-G171	0.096 U	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.37 UT
G172	LW2-G172	0.095 U	0.37 U	0.35 J	0.32 U	0.19 U	0.32 UT	0.35 JT
G173	LW2-G173	0.11 U	0.39 U	0.21 J	0.34 U	0.2 U	0.34 UT	0.21 JT
G174	LW2-G174	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G176	LW2-G176	0.054 U	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.21 UT
G177	LW2-G177	0.095 U	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.37 UT
G179	LW2-G179	0.06 UJ	0.23 UJ	0.11 UJ	0.22 J	0.46 J	0.68 JT	0.68 JT

Table C2-10. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
G184	LW2-G184	0.06 UJ	0.23 UJ	0.11 UJ	0.2 UJ	0.12 UJ	0.2 UJT	0.23 UJT
G185	LW2-G185	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
G187	LW2-G187	0.059 UJ	0.23 UJ	0.11 UJ	0.2 UJ	0.12 UJ	0.2 UJT	0.23 UJT
G192	LW2-G192	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G196	LW2-G196	0.068 U	0.26 U	0.13 U	0.23 U	0.14 J	0.14 JT	0.14 JT
G198	LW2-G198	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G199	LW2-G199	0.12 J	0.29 U	0.63 J	1.1	0.73 J	1.83 JT	2.58 JT
G200	LW2-G200	0.1 J	0.24 U	0.12 U	0.42 U	0.12 U	0.42 UT	0.1 JT
G202	LW2-G202	0.079 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
G203-1	LW2-G203-1	0.085 UT	0.33 UT	0.16 UT	0.29 UT	0.18 JT	0.18 JT	0.18 JT
G203-2	LW2-G203-2	0.077 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G204	LW2-G204	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
G205	LW2-G205	0.06 U	0.24 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.24 UT
G206	LW2-G206	0.072 U	0.28 U	0.14 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G207	LW2-G207	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G210	LW2-G210	0.069 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
G212-1	LW2-G212-1	0.061 U	0.24 U	0.11 U	0.21 U	0.12 U	0.21 UT	0.24 UT
G212-2	LW2-G212-2	0.074 J	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.074 JT
G215	LW2-G215	0.074 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
G256	LW2-G256	0.059 U	0.23 U	0.11 J	0.2 U	0.12 U	0.2 UT	0.11 JT
G263	LW2-G263	16	0.44 U	3.9	1.1	3.4	4.5 T	24.4 T
G264	LW2-G264	0.41 J	0.45 U	0.79 J	1 J	2.4	3.4 JT	4.6 JT
G269	LW2-G269	0.078 U	0.3 U	0.15 U	0.26 U	0.23 U	0.26 UT	0.3 UT
G270-1	LW2-G270-1	0.12 J	0.32 U	0.15 U	0.34 U	0.26 J	0.26 JT	0.38 JT
G270-2	LW2-G270-2	0.088 U	0.34 U	0.16 U	0.3 U	0.27 J	0.27 JT	0.27 JT
G273	LW2-G273	0.073 U	0.28 U	0.14 U	0.28 U	0.43 U	0.43 UT	0.43 UT
G274	LW2-G274	1.4	0.24 U	0.25 J	0.51 J	0.38 J	0.89 JT	2.54 JT
G276	LW2-G276	0.093 U	0.36 U	0.47 U	4.6	2.5	7.1 T	7.1 T
G278	LW2-G278	0.51 J	0.48 U	0.39 U	9.1	6.2	15.3 T	15.81 JT
G283	LW2-G283	3.8	4.5	7.1	5.1	5.7	10.8 T	26.2 T
G284	LW2-G284	0.09 U	0.35 U	0.17 U	0.3 U	0.23 U	0.3 UT	0.35 UT
G287	LW2-G287	0.062 U	0.24 U	0.12 U	0.21 U	0.23 J	0.23 JT	0.23 JT
G288	LW2-G288	780	6.2	2400	24	63	87 T	3273.2 T
G289	LW2-G289	0.091 U	0.35 U	0.17 U	0.31 U	0.24 J	0.24 JT	0.24 JT
G292	LW2-G292	0.072 U	0.28 U	0.18 J	0.35 J	0.48 U	0.35 JT	0.53 JT
G294-1	LW2-G294-1	1.7	0.65 U	4	2.1	6.8	8.9 T	14.6 T
G294-2	LW2-G294-2	0.42 JT	0.33 UT	0.37 JT	1.9 T	2.15 JT	4.05 JT	4.84 JT
G297	LW2-G297	0.08 U	0.31 U	0.17 J	0.27 U	0.2 J	0.2 JT	0.37 JT
G298	LW2-G298	1100	27	5700	100	170	270 T	7097 T
G299	LW2-G299	15	0.33 U	0.16 U	1.1	0.4 J	1.5 JT	16.5 JT
G300	LW2-G300	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G301	LW2-G301	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
G302	LW2-G302	1.9	0.73 J	9.8	10	17	27 T	39.43 JT
G305	LW2-G305	0.091 U	0.35 U	0.19 J	0.41 J	0.23 J	0.64 JT	0.83 JT
G307	LW2-G307	0.071 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
G309	LW2-G309	0.082 U	0.32 U	0.15 U	0.28 U	0.28 J	0.28 JT	0.28 JT
G311-1	LW2-G311-1	0.075 UT	0.29 UT	0.14 UT	0.25 UT	0.53 JT	0.53 JT	0.53 JT
G311-2	LW2-G311-2	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G313	LW2-G313	0.072 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G314	LW2-G314	0.2 J	0.36 U	0.2 J	0.31 U	0.29 J	0.29 JT	0.69 JT
G315	LW2-G315	0.069 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
G316	LW2-G316	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
G317	LW2-G317	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
G321	LW2-G321	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G323	LW2-G323	0.052 U	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.2 UT
G324-1	LW2-G324-1	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
G324-2	LW2-G324-2	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G325	LW2-G325	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
G326	LW2-G326	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G327	LW2-G327	0.064 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
G329	LW2-G329	0.052 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
G330	LW2-G330	0.082 U	0.32 U	0.15 U	1.3	1.4	2.7 T	2.7 T
G331	LW2-G331	0.055 U	0.22 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G332	LW2-G332	0.083 U	0.32 U	0.16 J	3.5	2.7	6.2 T	6.36 JT
G333	LW2-G333	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
G334	LW2-G334	0.079 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
G335	LW2-G335	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G348	LW2-G348	0.14 J	1.6	0.12 U	0.21 U	0.12 U	0.21 UT	1.74 JT
G350	LW2-G350	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G353-1	LW2-G353-1	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G353-2	LW2-G353-2	0.074 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
G355	LW2-G355	0.21 J	0.26 U	0.13 U	0.23 U	0.18 J	0.18 JT	0.39 JT
G356	LW2-G356	0.095 U	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.37 UT
G359	LW2-G359	0.093 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
G360	LW2-G360	0.18 J	0.31 U	0.76 J	0.27 U	0.16 U	0.27 UT	0.94 JT
G381	LW2-G381	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
G403	LW2-G403	0.055 U	0.22 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.22 UT
G404	LW2-G404	0.083 U	0.32 U	0.27 J	0.28 U	0.16 U	0.28 UT	0.27 JT

Table C2-10. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
G439	LW2-G439	0.068 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
G441	LW2-G441	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
G444	LW2-G444	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
G445	LW2-G445	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
G521	LW2-G521	0.081 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.31 UT
BT001	LW2-GBT001	0.069 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
BT002	LW2-GBT002	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
BT003	LW2-GBT003	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
BT004	LW2-GBT004	0.052 U	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.2 UT
BT005	LW2-GBT005	1	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	1 T
BT0061	LW2-GBT006-1	0.058 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
BT0062	LW2-GBT006-2	0.06 UT	0.23 UT	0.11 UT	0.2 UT	0.12 UT	0.2 UT	0.23 UT
BT007	LW2-GBT007	0.055 U	1.1	0.1 U	0.19 U	0.11 U	0.19 UT	1.1 T
BT008	LW2-GBT008	0.12 U	0.44 U	0.21 U	0.38 U	0.22 U	0.38 UT	0.44 UT
BT009	LW2-GBT009	0.063 U	0.25 U	0.12 U	0.21 U	0.13 U	0.21 UT	0.25 UT
BT010	LW2-GBT010	0.063 U	0.25 U	0.12 U	0.21 U	0.13 U	0.21 UT	0.25 UT
BT011	LW2-GBT011	0.091 U	0.35 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.35 UT
BT012	LW2-GBT012	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
BT013	LW2-GBT013	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
BT014	LW2-GBT014	0.17 J	0.33 U	0.16 U	0.28 U	0.17 U	0.28 UT	0.17 JT
BT015	LW2-GBT015	0.22 J	0.42 U	0.2 U	0.36 U	0.21 U	0.36 UT	0.22 JT
BT016	LW2-GBT016	0.091 U	0.35 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.35 UT
BT017	LW2-GBT017	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
BT018	LW2-GBT018	0.098 U	0.38 U	0.18 U	0.33 U	0.19 U	0.33 UT	0.38 UT
BT019	LW2-GBT019	0.083 U	0.32 U	0.16 U	0.28 U	0.16 U	0.28 UT	0.32 UT
BT020	LW2-GBT020	0.086 U	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.33 UT
BT021	LW2-GBT021	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
BT022	LW2-GBT022	0.13 U	0.5 U	0.24 U	0.44 U	0.25 U	0.44 UT	0.5 UT
BT023	LW2-GBT023	0.12 U	0.43 U	0.21 U	0.37 U	0.22 U	0.37 UT	0.43 UT
BT024	LW2-GBT024	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
BT025	LW2-GBT025	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
BT026	LW2-GBT026	0.11 U	1.1 U	0.19 U	0.7 J	0.39 J	1.09 JT	1.09 JT
BT0271	LW2-GBT027-1	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
BT0272	LW2-GBT027-2	0.078 UT	0.3 UT	0.15 UT	0.26 UT	0.15 UT	0.26 UT	0.3 UT
BT028	LW2-GBT028	0.11 U	0.41 U	0.2 U	0.36 U	0.21 U	0.36 UT	0.41 UT
BT029	LW2-GBT029	0.068 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
BT030	LW2-GBT030	0.072 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
BT031	LW2-GBT031	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
BT032	LW2-GBT032	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
BT033	LW2-GBT033	0.093 U	0.36 U	0.17 U	0.31 U	0.18 U	0.31 UT	0.36 UT
08R001	LWG0108R001SDS015C00	0.18 UJT	0.18 UJT	0.18 UJT	0.37 UJT	0.18 UJT	0.37 UJT	0.37 UJT
AP02APG	LWG2-PG-AP2A	0.055 U	0.22 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.22 UT
AP02DPG	LWG2-PG-AP2D	89	0.33 U	0.72 J	0.45 U	0.27 U	0.45 UT	89.7 JT
AP04CPG	LWG2-PG-AP4C	0.084 U	0.33 U	0.16 U	0.28 U	0.17 U	0.28 UT	0.33 UT
AP04CPG2	LWG2-PG-AP4C-2	0.082 U	0.32 U	0.15 U	0.28 U	0.16 U	0.28 UT	0.32 UT
AR02APG	LWG2-PG-AR2A	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
CP07APG	LWG2-PG-CP7A	0.16 J	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.16 JT
CP07DPG	LWG2-PG-CP7D	0.11 U	0.41 U	0.2 U	0.35 U	0.21 U	0.35 UT	0.41 UT
CP09APG	LWG2-PG-CP9A	0.11 J	1.2 U	0.27 J	0.24 U	0.14 U	0.24 UT	0.38 JT
CP09DPG	LWG2-PG-CP9D	0.15 J	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.15 JT
EM02APG	LWG2-PG-EM2A	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
EM03APG	LWG2-PG-EM3A	0.053 U	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.21 UT
GN01EPG	LWG2-PG-GN1E	0.074 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
GN02EPG	LWG2-PG-GN2E	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
GN05APG	LWG2-PG-GN5A	0.076 U	0.29 U	0.19 J	0.33 U	0.4 U	0.4 UT	0.19 JT
GN05APG2	LWG2-PG-GN5A-2	0.087 U	0.34 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.34 UT
GS04APG	LWG2-PG-GS4A	16	11 U	220	87	170	257 T	493 T
GS04APG2	LWG2-PG-GS4A-2	64	52	710	170	500	670 T	1500 T
GS07BPG	LWG2-PG-GS7B	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
GS07DPG	LWG2-PG-GS7D	0.28 J	0.33 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.28 JT
KM08APG	LWG2-PG-KM8A	0.048 U	0.19 U	0.087 U	0.16 U	0.092 U	0.16 UT	0.19 UT
R2AP02PG	LWG2-PG-R2AP2	0.083 U	0.32 U	0.16 U	0.28 U	0.16 U	0.28 UT	0.32 UT
R2AR01PG	LWG2-PG-R2AR1	0.049 U	0.19 U	0.089 U	0.17 U	0.094 U	0.17 UT	0.19 UT
R2AR01G2	LWG2-PG-R2AR1-2	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
R2AR02PG	LWG2-PG-R2AR2	0.052 U	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.2 UT
R2AR04PG	LWG2-PG-R2AR4	0.052 U	0.2 U	0.094 U	0.18 U	0.1 U	0.18 UT	0.2 UT
R2GN01PG	LWG2-PG-R2GN1	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
R2KM2PG	LWG2-PG-R2KM2	0.099 U	0.38 U	0.18 U	0.33 U	0.19 U	0.33 UT	0.38 UT
R2RP03PG	LWG2-PG-R2RP3	0.055 U	0.21 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.21 UT
RP03CPG	LWG2-PG-RP3C	0.49 J	0.23 U	0.11 U	0.25 J	0.13 J	0.38 JT	0.87 JT
RP07BPG	LWG2-PG-RP7B	0.082 U	0.32 U	0.15 U	0.28 U	0.16 U	0.28 UT	0.32 UT
SL02APG	LWG2-PG-SL2A	0.075 U	0.29 U	0.14 U	0.52 J	0.64 J	1.16 JT	1.16 JT
SL02EPG	LWG2-PG-SL2E	0.078 U	0.3 U	0.15 J	0.44 J	0.67 J	1.11 JT	1.26 JT
SL03FPG	LWG2-PG-SL3F	6.3	0.47 U	0.19 J	0.31 J	0.5 J	0.81 JT	7.3 JT
SL04APG	LWG2-PG-SL4A	0.06 U	0.24 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.24 UT
SL04FPG	LWG2-PG-SL4F	0.26 J	0.37 U	0.18 J	0.43 J	0.72 J	1.15 JT	1.59 JT
SL05APG	LWG2-PG-SL5A	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
W09APG	LWG2-PG-W9A	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT

Table C2-10. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
W09CPG	LWG2-PG-W9C	0.095 U	0.37 U	0.18 U	0.32 U	0.19 U	0.32 UT	0.37 UT
AP03B-1	LWP-TZSAP03B-1	0.97 U	0.97 U	0.29 J	0.99	0.64 J	1.63 JT	1.92 JT
AP03B-2	LWP-TZSAP03B-2	0.98 U	0.31 U	0.15 U	0.27 U	0.16 U	0.27 UT	0.98 UT
AP04B	LWP-TZSAP04B	0.96 U	0.26 U	0.12 U	0.96 U	0.15 J	0.15 JT	0.15 JT
AP04D	LWP-TZSAP04D	720 J	1.6 J	1.4 J	1.1 UJ	0.96 UJ	1.1 UJT	723 JT
ARC02B	LWPTZSARCO2B2	0.97 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.97 UT
ARC03B	LWPTZSARCO3B	0.96 U	0.28 U	0.14 U	0.25 U	0.96 U	0.96 UT	0.96 UT
ARC06B-1	LWPTZSARCO6B-1	0.92 U	0.26 U	0.13 U	0.92 U	0.92 U	0.92 UT	0.92 UT
ARC06B-2	LWPTZSARCO6B-2	0.97 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.97 UT
NA-2B	NA-2B-0031	0.084 U	0.33 U	0.16 U	0.28 U	0.17 U	0.28 UT	0.33 UT
NA-3B	NA-3B-0034	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
NA-4B	NA-4B-0024	0.11 U	0.39 U	0.19 U	0.34 U	0.2 U	0.34 UT	0.39 UT
REFSAMP	WLCGAF00EFSAMPGACREF	14 U	14 U	14 U	28 U	14 U	28 UT	28 UT
GAC-001	WLCGAF00GAC001GAC001	10 U	10 U	10 U	20 U	10 U	20 UT	20 UT
GAC-002	WLCGAF00GAC002GAC002	12 U	12 U	12 U	24 U	12 U	24 UT	24 UT
GAC-003	WLCGAF00GAC003GAC003	11 U	11 U	11 U	21 U	11 U	21 UT	21 UT
GAC-004	WLCGAF00GAC004GAC004	11 U	11 U	11 U	22 U	11 U	22 UT	22 UT
GAC-005	WLCGAF00GAC005GAC005	12 U	12 U	12 U	23 U	12 U	23 UT	23 UT
A2GS09	WLCGNG03A2GS09A2GS09	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
A2GS10	WLCGNG03A2GS10A2GS10	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
A2GS11	WLCGNG03A2GS11A2GS11	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
A2GS12	WLCGNG03A2GS12A2GS12	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
SED01	WLCGXB02SED01SED01	50 U	50 J	50 U			50 J	100 T
SED03	WLCGXB02SED03SED03	50 U	50 J	50 U			50 J	100 T
S1	WLCGXV99S1S1_10	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
S2	WLCGXV99S2S2_10	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
S3	WLCGXV99S3S3_10	204 U	204 U	204 U	408 U	204 U	408 UT	408 UT
S4	WLCGXV99S4S4_10	100 U	100 U	100 U	200 U	100 U	200 UT	200 UT
HC-REFA	WLCRIL99HCREFAHCREFA	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-REFB	WLCRIL99HCREFBHCREFB	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-REFC	WLCRIL99HCREFCHCREFC	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS02	WLCRIL99HCSS02HCSS02	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS03	WLCRIL99HCSS03HCSS03	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS04	WLCRIL99HCSS04HCSS04	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS05	WLCRIL99HCSS05CSS100	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS05	WLCRIL99HCSS05HCSS05	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS06	WLCRIL99HCSS06HCSS06	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS07	WLCRIL99HCSS07HCSS07	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS08	WLCRIL99HCSS08HCSS08	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS09	WLCRIL99HCSS09HCSS09	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS10	WLCRIL99HCSS10HCSS10	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS11	WLCRIL99HCSS11HCSS11	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS12	WLCRIL99HCSS12HCSS12	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS13	WLCRIL99HCSS13HCSS13	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS14	WLCRIL99HCSS14HCSS14	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS15	WLCRIL99HCSS15CSS102	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS15	WLCRIL99HCSS15HCSS15	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS16	WLCRIL99HCSS16HCSS16	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS17	WLCRIL99HCSS17HCSS17	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS18	WLCRIL99HCSS18HCSS18	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS19	WLCRIL99HCSS19HCSS19	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS20	WLCRIL99HCSS20HCSS20	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS22	WLCRIL99HCSS22HCSS22	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS23	WLCRIL99HCSS23HCSS23	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS24	WLCRIL99HCSS24HCSS24	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS25	WLCRIL99HCSS25HCSS25	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS26	WLCRIL99HCSS26HCSS26	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS28	WLCRIL99HCSS28HCSS28	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS29	WLCRIL99HCSS29HCSS29	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS30	WLCRIL99HCSS30HCSS30	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS31	WLCRIL99HCSS31HCSS31	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS32	WLCRIL99HCSS32CSS103	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS32	WLCRIL99HCSS32HCSS32	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS33	WLCRIL99HCSS33HCSS33	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS34	WLCRIL99HCSS34CSS101	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-SS34	WLCRIL99HCSS34HCSS34	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G05	WLCRIV99G05G05S00	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
G06A	WLCRIV99G06A06AS02	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PA01	WLCRIV99PA01PA01	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PA02	WLCRIV99PA02PA02	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PA03	WLCRIV99PA03PA03	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PA04	WLCRIV99PA04PA04	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
T1S-01	WLCT1F00T1S01T1S01	9.4 U		9.4 U	9.4 U	9.4 U	9.4 U	9.4 UT
T1S-02	WLCT1F00T1S02T1S02	9.6 U		9.6 U	9.6 U	9.6 U	9.6 U	9.6 UT
T1S-03	WLCT1F00T1S03T1S03	10 U		10 U	10 U	10 U	10 U	10 UT
T1S-04	WLCT1F00T1S04T1S04	9.5 U		9.5 U	9.5 U	9.5 U	9.5 U	9.5 UT
T1S-05	WLCT1F00T1S05T1S05	1 U		2 U	3 U	2 U	2 U	3 UT
T1S-06	WLCT1F00T1S06T1S06	10 U		10 U	10 U	10 U	10 U	10 UT

Table C2-10. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
T1S-07	WLCT1F00T1S07T1S07	6.6 U		6.6 U	6.6 U	6.6 U	6.6 U	6.6 UT
T1S-08	WLCT1F00T1S08T1S08	7.9 U		7.9 U	7.9 U	7.9 U	7.9 U	7.9 UT
T1S-09	WLCT1F00T1S09T1S09	7.3 U		7.3 U	7.3 U	7.3 U	7.3 U	7.3 UT
HC-REF-B	WLCT4J98HCREFBHCREFB	25 U	25 U	25 U	25 U	25 U	25 UT	25 UT
HC-REF-C	WLCT4J98HCREFCHCREFC	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-01	WLCT4J98HCS01HCS01	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-02	WLCT4J98HCS02HCS02	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-03	WLCT4J98HCS03HCS03	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-04	WLCT4J98HCS04HCS04	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-05	WLCT4J98HCS05HCS05	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-07	WLCT4J98HCS07HCS07	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-08	WLCT4J98HCS08HCS08	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-09	WLCT4J98HCS09HCS09	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-11	WLCT4J98HCS11HCS11	25 U	25 U	25 U	25 U	25 U	25 UT	25 UT
HC-S-13	WLCT4J98HCS13HCS13	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-14	WLCT4J98HCS14HCS14	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-16	WLCT4J98HCS16HCS16	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-19	WLCT4J98HCS19HCS19	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-20	WLCT4J98HCS20HCS20	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-22	WLCT4J98HCS22HCS22	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-24	WLCT4J98HCS24HCS24	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-25	WLCT4J98HCS25HCS25	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-26	WLCT4J98HCS26HCS26	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-28	WLCT4J98HCS28HCS28	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-30	WLCT4J98HCS30HCS30	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-32	WLCT4J98HCS32HCS32	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-34	WLCT4J98HCS34HCS34	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-35	WLCT4J98HCS35HCS35	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-36	WLCT4J98HCS36HCS36	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-37	WLCT4J98HCS37HCS37	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-38	WLCT4J98HCS38HCS38	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-39	WLCT4J98HCS39HCS39	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-40	WLCT4J98HCS40HCS40	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-41	WLCT4J98HCS41HCS41	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-42	WLCT4J98HCS42HCS42	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-43	WLCT4J98HCS43HCS43	25 U	25 U	25 U	25 U	25 U	25 UT	25 UT
HC-S-44	WLCT4J98HCS44HCS44	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
OSS001	WLRELF99OSS001SD0001	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
OSS002	WLRELF99OSS002SD0006	9 U	9 U	9 U	9 U	9 U	9 UT	9 UT
OSS003	WLRELF99OSS003SD0021	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
OSS004	WLRELF99OSS004SD0011	9 U	9 U	9 U	9 U	9 U	9 UT	9 UT
OSS005	WLRELF99OSS005SD0024	11 U	11 U	11 U	11 U	11 U	11 UT	11 UT
OSS006	WLRELF99OSS006SD0016	9 U	9 U	9 U	9 U	9 U	9 UT	9 UT
RB1	WLRELF99RB1SD1001	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB2	WLRELF99RB2SD1003	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB3	WLRELF99RB3SD1005	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB4	WLRELF99RB4SD1007	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB5	WLRELF99RB5SD1009	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB6	WLRELF99RB6SD1011	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB6	WLRELF99RB6SD1013	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
GATX-SD1	WLRWTF98ATXSD1ATXSD1	50 U	50 U	50 U			50 U	50 UT
GATX-SD1	WLRWTF98ATXSD1TXSD1D	50 U	50 U	50 U			50 U	50 UT
GATX-SD2	WLRWTF98ATXSD2ATXSD2	50 U	50 U	50 U			50 U	50 UT
GATX-SD2	WLRWTF98ATXSD2TXSD2D	50 U	50 U	50 U			50 U	50 UT
GATX-SD3	WLRWTF98ATXSD3ATXSD3	50 U	50 U	50 U			50 U	50 UT
GATX-SD4	WLRWTF98ATXSD4ATXSD4	50 U	50 U	50 U			50 U	50 UT
GATX-SD5	WLRWTF98ATXSD5ATXSD5	50 U	50 U	50 U			50 U	50 UT
CHEV-SD1	WLRWTF98HEVSD1HEVSD1	50 UG	50 U	50 U			50 U	50 UT
CHEV-SD2	WLRWTF98HEVSD2HEVSD2	50 UG	50 U	50 U			50 U	50 UT
CHEV-SD3	WLRWTF98HEVSD3HEVSD3	50 UG	50 U	50 U			50 U	50 UT
TOS-SD1	WLRWTF98TOSSD1TOSSD1	50 UG	50 U	50 U			50 U	50 UT
TOS-SD2	WLRWTF98TOSSD2TOSSD2	50 UG	50 U	50 U			50 U	50 UT
TOS-SD3	WLRWTF98TOSSD3TOSSD3	120 UG	120 UG	120 UG			120 UG	120 UT
TOS-SD4	WLRWTF98TOSSD4TOSSD4	50 UG	50 U	50 U			50 U	50 UT
TOS-SD5	WLRWTF98TOSSD5TOSSD5	50 U	50 U	50 U			50 U	50 UT

Notes:

G - Estimate is greater than value shown.

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C078	LW2-C078-A	8 J	3.85 JT	34 J	45.9 JT
C079	LW2-C079-A	16 J	1.6 U	76 J	92 JT
C080	LW2-C080-A	54 J	1.4 U	170 J	224 JT
C082	LW2-C082-A1	27 J	1.3 UT	120 J	147 JT
C082-2	LW2-C082-A2	36.5 JT	1.4 UT	140 JT	177 JT
C083	LW2-C083-A	49 J	1.7 J	190 J	241 JT
C084	LW2-C084-A	120 J	3.5 J	550 J	674 JT
C087	LW2-C087-A	80 J	1.8 J	380 J	462 JT
C088	LW2-C088-A	120 J	2 U	560 J	680 JT
C089	LW2-C089-A	1300 J	13 J	3600 J	4910 JT
C090	LW2-C090-A	120 J	2.2 J	540 J	662 JT
C091	LW2-C091-A	150 J	2.2 J	740 J	892 JT
C092	LW2-C092-A	1200 J	13.5 JT	6700 J	7910 JT
C093	LW2-C093-A	1300 J		3600 J	4900 JT
C094	LW2-C094-A	340 J	1.8 U	1500 J	1840 JT
C096	LW2-C096-A	72 J	1.8 UT	270 J	342 JT
C099	LW2-C099-A	84 J	2 U	360 J	444 JT
C103	LW2-C103-A	76 J	2 U	310 J	386 JT
C106	LW2-C106-A	98 J	2 U	410 J	508 JT
C109	LW2-C109-A	72 J	2 U	340 J	412 JT
C112	LW2-C112-A	76 J		370 J	446 JT
C167	LW2-C167-A	210 J	2.4 U	830 J	1040 JT
C282	LW2-C282-A	620 J		1600 J	2220 JT
C290	LW2-C290-A	18 J		60 J	78 JT
C312	LW2-C312-A	560 J	3.15 JT	830 J	1390 JT
C329	LW2-C329-A	30 JT		61 JT	91 JT
C335	LW2-C335-A	34 J		140 J	174 JT
C379	LW2-C379-A	300 J		1200 J	1500 JT
C380	LW2-C380-A	38 J		130 J	168 JT
C441-1	LW2-C441-A1	96 J		370 J	466 JT
C461	LW2-C461-A	160 J		770 J	930 JT
C494	LW2-C494-A	120 J		720 J	840 JT
C522	LW2-C522-A	220 J	3.2 J	520 J	743 JT
C523	LW2-C523-A	120 J	1.5 U	260 J	380 JT
C524	LW2-C524-A	1900 J		4500 J	6400 JT
C525	LW2-C525-A	1800 J	4.8 J	4400 J	6200 JT
C527	LW2-C527-A	270 J	2.4 U	1000 J	1270 JT
C528	LW2-C528-A	140 J	2.4 UJ	660 J	800 JT
C529	LW2-C529-A	58 J	2.2 UT	280 J	338 JT
C530	LW2-C530-A	120 J	2 UJ	420 J	540 JT
C531	LW2-C531-A	210 J	1.8 UT	640 J	850 JT
C532	LW2-C532-A	260 J	14 U	690 J	950 JT
C533	LW2-C533-A	2400 J	3.3 J	6000 J	8400 JT
G007-1	LW2-G007-1	120 JT	2.3 UT	405 JT	525 JT
G007-2	LW2-G007-2	85 J	2.4 U	390 J	475 JT
G009	LW2-G009	56 JT	1.8 U	210 UT	56 JT
G010	LW2-G010	85 J	2.4 U	380 J	465 JT
G011	LW2-G011	88 J	1.9 U	290 U	88 JT
G013	LW2-G013	100 J	2.5 U	540 J	640 JT
G015	LW2-G015	140 J	2 U	570 J	710 JT
G016	LW2-G016	82 J	2.6 UJT	450 J	532 JT
G017	LW2-G017	130 J	2.5 U	640 J	770 JT
G019	LW2-G019	53 JT	1.5 U	230 UT	53 JT
G020	LW2-G020	120 J	2.3 UJ	440 J	560 JT
G021	LW2-G021	130 J	2.6 UJ	560 J	690 JT
G022	LW2-G022	76 J	2.6 UJ	440 J	516 JT
G024	LW2-G024	92 JT	2.4 UJ	390 JT	482 JT
G025	LW2-G025	19 J	1.3 UJ	120 J	139 JT
G026	LW2-G026	94 J	2.5 U	460 J	554 JT
G027	LW2-G027	18 J	1.5 UJ	65 U	18 JT
G033	LW2-G033	61 J	1.8 UJ	280 J	341 JT
G034	LW2-G034	29 J	1.4 UJ	80 U	29 JT
G035	LW2-G035	140 J	2.1 UJT	460 J	600 JT
G038	LW2-G038	36 J	1.5 UT	180 J	216 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
G060	LW2-G060	44 J	1.6 U	130 U	44 JT
G061	LW2-G061	92 J	2 U	370 J	462 JT
G062	LW2-G062	35 J	1.5 U	240 J	275 JT
G064	LW2-G064	35 J	1.6 U	110 U	35 JT
G066	LW2-G066	120 J		480 J	600 JT
G067	LW2-G067	77 J	1.9 U	330 J	407 JT
G073	LW2-G073	15 U	1.5 U	28 U	28 UT
G074	LW2-G074	10 JT	1.4 UT	25 UT	10 JT
G086	LW2-G086	100 J	1.9 U	410 J	510 JT
G105	LW2-G105	300 J	2.5 UT	730 J	1030 JT
G111	LW2-G111	430 J	1.9 U	1300 J	1730 JT
G114	LW2-G114	32 J	1.6 UT	130 J	162 JT
G115-1	LW2-G115-1	92 JT	1.9 UT	335 JT	427 JT
G115-2	LW2-G115-2	100 J	1.9 U	370 J	470 JT
G116	LW2-G116	98 J	2.2 U	380 J	478 JT
G118	LW2-G118	94 J	2 UT	350 J	444 JT
G121	LW2-G121	140 J	2.3 U	580 J	720 JT
G122	LW2-G122	100 J	2.3 U	470 J	570 JT
G123	LW2-G123	14 U	1.7 U	16 J	16 JT
G124	LW2-G124	100 J	1.4 UT	340 J	440 JT
G126	LW2-G126	33 J	1.4 U	47 J	80 JT
G127	LW2-G127	82 J	2.1 U	320 J	402 JT
G130	LW2-G130	47 J	1.7 U	170 J	217 JT
G133	LW2-G133	69 J	2.3 U	380 J	449 JT
G135	LW2-G135	100 J	2.2 U	570 J	670 JT
G136	LW2-G136	250 J	2.6 U	1600 J	1850 JT
G138	LW2-G138	180 J	1.6 U	1600 J	1780 JT
G139	LW2-G139	360 J	2.4 U	2400 J	2760 JT
G142	LW2-G142	38 J	1.8 U	250 J	288 JT
G144	LW2-G144	82 J	2.5 U	490 J	572 JT
G145	LW2-G145	120 J	2.5 U	630 J	750 JT
G147	LW2-G147	22 JT	1.6 U	144 JT	166 JT
G148	LW2-G148	100 J	2.2 U	440 J	540 JT
G150	LW2-G150	750 J	8.5 J	1000 J	1760 JT
G152	LW2-G152	110 J	2.2 U	530 J	640 JT
G155	LW2-G155	300 J	5.4 U	710 J	1010 JT
G156	LW2-G156	70 J	2.1 U	300 J	370 JT
G157	LW2-G157	400 J	2.8 U	560 J	960 JT
G158	LW2-G158	77 J	2.9 U	380 J	457 JT
G160	LW2-G160	540 J	230 J	800 J	1570 JT
G161	LW2-G161	550 J	83 J	770 J	1400 JT
G162	LW2-G162	82 J	2.3 U	480 J	562 JT
G163	LW2-G163	11 UT	2.4 U	14.5 JT	14.5 JT
G164	LW2-G164	19 J	2 U	100 J	119 JT
G166	LW2-G166	20 J	1.6 U	73 J	93 JT
G169	LW2-G169	93 J	2.7 U	450 J	543 JT
G170	LW2-G170	88 J	9 U	240 J	328 JT
G171	LW2-G171	100 J	5.4 U	550 J	650 JT
G172	LW2-G172	140 J	2.6 U	640 J	780 JT
G173	LW2-G173	110 J	2.6 U	620 J	730 JT
G174	LW2-G174	70.5 JT	2.5 U	255 JT	326 JT
G176	LW2-G176	350 J	9 U	150 J	500 JT
G177	LW2-G177	110 J	2.9 U	600 J	710 JT
G178	LW2-G178	350 JT	1.5 U	555 JT	905 JT
G179	LW2-G179	2400 J	40 J	2900 J	5340 JT
G180	LW2-G180	550 J	1.4 U	710 J	1260 JT
G182	LW2-G182	138 JT	2.8 U	250 JT	388 JT
G184	LW2-G184	57 J	3.8 U	170 J	227 JT
G185	LW2-G185	85.5 JT	1.6 U	290 JT	376 JT
G187	LW2-G187	14 U	1.6 U	24 J	24 JT
G192	LW2-G192	91 J	2 U	440 J	531 JT
G196	LW2-G196	170 J	1.8 UT	400 J	570 JT
G197-1	LW2-G197-1	150 JT	1.7 U	510 JT	660 JT
G197-2	LW2-G197-2	110 J	1.8 U	410 J	520 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
G198	LW2-G198	200 J	1.9 UT	810 J	1010 JT
G199	LW2-G199	160 J	4.5 U	630 J	790 JT
G202	LW2-G202	110 J	2.1 UJ	460 J	570 JT
G203-1	LW2-G203-1	210 JT	2.2 UT	780 JT	990 JT
G203-2	LW2-G203-2	230 J	2 U	740 J	970 JT
G204	LW2-G204	200 J	1.6 U	380 J	580 JT
G206	LW2-G206	230 J	1.9 U	740 J	970 JT
G207	LW2-G207	300 J	2.2 U	720 J	1020 JT
G209	LW2-G209	83 J	1.7 UJ	260 J	343 JT
G210	LW2-G210	1400 J	23 J	1900 J	3320 JT
G213	LW2-G213	180 J	6.6 U	450 J	630 JT
G215	LW2-G215	360 J	1.9 U	920 J	1280 JT
G219	LW2-G219	730 J	3.6 U	720 J	1450 JT
G220	LW2-G220	140 J	2.1 J	350 J	492 JT
G221	LW2-G221	1400 J	4.9 J	1200 J	2600 JT
G223	LW2-G223	130 J	2.6 U	320 J	450 JT
G227	LW2-G227	37 J	1.9 T	330 J	369 JT
G228	LW2-G228	160 J	4.4 U	590 J	750 JT
G230	LW2-G230	81 J	2 U	360 J	441 JT
G231	LW2-G231	39.5 JT	1.6 U	220 JT	260 JT
G232	LW2-G232	96 J	1.9 UJ	540 J	636 JT
G234	LW2-G234	30 J	1.4 U	68 J	98 JT
G240	LW2-G240	350 J	2.1 UJT	1200 J	1550 JT
G242	LW2-G242	79 J	2.2 UJ	350 J	429 JT
G245	LW2-G245	110 J	2 UJ	410 J	520 JT
G247	LW2-G247	72 J	1.9 U	320 J	392 JT
G252	LW2-G252	32.5 JT	1.6 UJ	135 JT	168 JT
G256	LW2-G256	38 J	1.6 UT	110 J	148 JT
G258	LW2-G258	43 J	1.4 U	65 J	108 JT
G260	LW2-G260	63 JT	1.5 UT	134 JT	197 JT
G263	LW2-G263	200 J	8.25 JT	400 J	608 JT
G264	LW2-G264	4700 J	11 J	10000 J	14700 JT
G265	LW2-G265	49 JT	1.4 U	100 T	149 JT
G269	LW2-G269	1300 J	11 J	3600 J	4910 JT
G270-1	LW2-G270-1	1100 J	2.8 J	2000 J	3100 JT
G270-2	LW2-G270-2	1700 J	2.5 J	2200 J	3900 JT
G272	LW2-G272	49 J	1.7 U	170 J	219 JT
G273	LW2-G273	620 J	6.3 U	1000 J	1620 JT
G274	LW2-G274	940 J	1.7 U	1700 J	2640 JT
G276	LW2-G276	390 J	2.5 U	1100 J	1490 JT
G277	LW2-G277	62 J	2 UT	280 J	342 JT
G278	LW2-G278	4200 J	12 J	4400 J	8610 JT
G281	LW2-G281	10 U	1.4 U	33 U	33 UT
G283	LW2-G283	14000 J	32 J	17000 J	31000 JT
G284	LW2-G284	500 JT	2.4 U	1200 JT	1700 JT
G287	LW2-G287	45 J	1.6 U	130 J	175 JT
G288	LW2-G288	14000 J	155 JT	7600 J	21800 JT
G289	LW2-G289	630 J	2.5 U	1200 J	1830 JT
G291	LW2-G291	120 J	2.6 UT	660 J	780 JT
G292	LW2-G292	1700 J	13 U	2600 J	4300 JT
G293	LW2-G293	110 J	2.2 U	440 J	550 JT
G294-1	LW2-G294-1	20000 J	102 JT	13000 J	33100 JT
G294-2	LW2-G294-2	2600 JT	41.5 JT	3000 JT	5640 JT
G296	LW2-G296	66 J	2.3 UJ	320 J	386 JT
G297	LW2-G297	630 J	65 J	730 J	1430 JT
G298	LW2-G298	39000 J	1600 J	18000 J	58600 JT
G299	LW2-G299	210 J	5.1 U	610 J	820 JT
G300	LW2-G300	14 UT	1.5 U	13 UT	14 UT
G301	LW2-G301	460 J	5.9 U	1100 J	1560 JT
G302	LW2-G302	9000 J	120 J	6000 J	15100 JT
G303	LW2-G303	68 J	2.1 U	280 J	348 JT
G305	LW2-G305	280 J	6.7 J	630 J	917 JT
G307	LW2-G307	150 J	1.8 U	400 J	550 JT
G308	LW2-G308	330 J	6 U	310 J	640 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
G309	LW2-G309	170 J	2.1 U	510 J	680 JT
G311-1	LW2-G311-1	1080 JT	25 JT	1330 JT	2440 JT
G311-2	LW2-G311-2	200 J	2.6 J	630 J	833 JT
G313	LW2-G313	200 J	2.6 U	530 J	730 JT
G314	LW2-G314	110 J	3.5 U	470 J	580 JT
G315	LW2-G315	190 J	4 U	490 J	680 JT
G316	LW2-G316	17 JT	1.6 U	47 UT	17 JT
G317	LW2-G317	20 J	1.6 U	100 J	120 JT
G320	LW2-G320	230 J	1.6 U	300 J	530 JT
G321	LW2-G321	180 J	7.75 JT	420 J	608 JT
G323	LW2-G323	43 J	1.4 U	140 J	183 JT
G339	LW2-G339	50 J	2 U	220 J	270 JT
G342	LW2-G342	55 J	4.8 U	290 J	345 JT
G345-1	LW2-G345-1	80.5 JT	2.1 UT	373 JT	454 JT
G345-2	LW2-G345-2	80 J	2.2 U	380 J	460 JT
G346	LW2-G346	96 J	2.4 U	400 J	496 JT
G347	LW2-G347	110 J	2.4 U	480 J	590 JT
G350	LW2-G350	130 J	2 U	410 J	540 JT
G351	LW2-G351	160 J	2.2 UJ	490 J	650 JT
G351-2	LW2-G351-2	132 JT	2.1 UJT	470 JT	602 JT
G352	LW2-G352	59 J	2 U	290 J	349 JT
G353-1	LW2-G353-1	140 J	2 U	400 J	540 JT
G353-2	LW2-G353-2	93 J	1.9 U	400 J	493 JT
G355	LW2-G355	250 JT	1.8 U	1000 JT	1250 JT
G367	LW2-G367	140 J	1.7 UT	400 J	540 JT
G371	LW2-G371	120 J	1.8 U	320 J	440 JT
G372-1	LW2-G372-1	99.5 JT	2.4 UJT	440 JT	540 JT
G372-2	LW2-G372-2	110 J	2.6 UJ	480 J	590 JT
G376	LW2-G376	180 J	2.6 UJ	650 J	830 JT
G377	LW2-G377	27 J	1.4 U	120 J	147 JT
G381	LW2-G381	105 JT	2.2 U	310 JT	415 JT
G382	LW2-G382	200 J	2.8 U	730 J	930 JT
G383	LW2-G383	310 JT	1.6 U	915 JT	1230 JT
G384-1	LW2-G384-1	160 JT	2.7 UT	680 JT	840 JT
G384-2	LW2-G384-2	150 J	2.5 U	660 J	810 JT
G385	LW2-G385	310 J	3.1 UJ	1300 J	1610 JT
G387	LW2-G387	93 J	2.5 U	620 J	713 JT
G390	LW2-G390	406 JT	3.1 U	1190 JT	1600 JT
G392	LW2-G392	150 J	2.2 U	550 J	700 JT
G397	LW2-G397	240 J	2.7 UJ	1100 J	1340 JT
G398	LW2-G398	84 J	2.4 UJ	470 J	554 JT
G401	LW2-G401	240 J	2.1 U	620 J	860 JT
G402	LW2-G402	260 J	4.6 U	1200 J	1460 JT
G403	LW2-G403	20 J	1.5 U	56 U	20 JT
G404	LW2-G404	170 J	2.2 UT	570 J	740 JT
G405	LW2-G405	69.5 JT	1.4 U	935 JT	1000 JT
G408	LW2-G408	550 J	3.1 UJ	1500 J	2050 JT
G415	LW2-G415	480 J		1700 J	2180 JT
G416	LW2-G416	310 J	3.1 UJ	1100 J	1410 JT
G420	LW2-G420	62 J	2 U	330 J	392 JT
G425	LW2-G425	55 J	1.8 U	210 J	265 JT
G426	LW2-G426	490 J	2.9 U	1500 J	1990 JT
G430	LW2-G430	19 JT	1.3 UT	86 JT	105 JT
G432	LW2-G432	240 J	1.8 U	770 J	1010 JT
G437	LW2-G437	110 J	2.1 U	390 J	500 JT
G445	LW2-G445	610 J	2.4 U	1300 J	1910 JT
G447	LW2-G447	90 J	2 U	400 J	490 JT
G448	LW2-G448	160 J	2.5 UJ	740 J	900 JT
G450-1	LW2-G450-1	150 J	2.4 UJ	760 J	910 JT
G450-2	LW2-G450-2	170 J	2.4 UJ	760 J	930 JT
G453	LW2-G453	8400 J	100 J	18000 J	26500 JT
G454	LW2-G454	25.5 JT	2.4 U	115 JT	141 JT
G455	LW2-G455	350 J	10.7 JT	1200 J	1560 JT
G473	LW2-G473	120 J	2.1 UT	590 J	710 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
G474	LW2-G474	63 J	2.4 UJ	420 J	483 JT
G477	LW2-G477	130 J	2 U	670 J	800 JT
G497	LW2-G497	460 J	1.9 UJ	2500 J	2960 JT
G521	LW2-G521	370 J	2.9 U	720 J	1090 JT
BT001	LW2-GBT001	38 J	1.8 U	170 J	208 JT
BT002	LW2-GBT002	78 J	1.6 U	490 J	568 JT
BT003	LW2-GBT003	37 J	1.6 UT	150 J	187 JT
BT004	LW2-GBT004	9.3 JT	1.4 U	38 UT	9.3 JT
BT005	LW2-GBT005	62 J	1.7 U	270 J	332 JT
BT0061	LW2-GBT006-1	37 J	1.5 U	180 J	217 JT
BT0062	LW2-GBT006-2	61 JT	1.6 UT	305 JT	366 JT
BT007	LW2-GBT007	13 J	1.5 U	80 J	93 JT
BT008	LW2-GBT008	200 J	3 U	1100 J	1300 JT
BT009	LW2-GBT009	85 J	1.7 U	430 J	515 JT
BT010	LW2-GBT010	270 J	1.7 U	1200 J	1470 JT
BT011	LW2-GBT011	350 J	2.4 U	1500 J	1850 JT
BT012	LW2-GBT012	370 J	2.1 J	680 J	1050 JT
BT013	LW2-GBT013	50 J	1.8 JT	210 J	262 JT
BT014	LW2-GBT014	270 J	2.95 JT	790 J	1060 JT
BT015	LW2-GBT015	240 J	2.8 U	810 J	1050 JT
BT016	LW2-GBT016	100 J	2.4 U	500 J	600 JT
BT017	LW2-GBT017	260 J	2 U	1100 J	1360 JT
BT018	LW2-GBT018	130 J	2.6 U	640 J	770 JT
BT019	LW2-GBT019	82 J	2.2 U	400 J	482 JT
BT020	LW2-GBT020	420 J	2.4 U	1100 J	1520 JT
BT021	LW2-GBT021	130 J	3.6 U	420 J	550 JT
BT022	LW2-GBT022	180 J	9.7 U	850 J	1030 JT
BT023	LW2-GBT023	130 J	4.15 JT	650 J	784 JT
BT024	LW2-GBT024	64 J	1.9 U	290 J	354 JT
BT025	LW2-GBT025	90 J	2.1 U	340 J	430 JT
BT026	LW2-GBT026	320 J	2.7 U	1500 J	1820 JT
BT0271	LW2-GBT027-1	76 J	13 JT	390 J	479 JT
BT0272	LW2-GBT027-2	78 JT	2 UT	490 JT	568 JT
BT028	LW2-GBT028	670 J	3.4 U	2300 J	2970 JT
BT029	LW2-GBT029	82 JT	1.8 U	430 JT	512 JT
BT030	LW2-GBT030	140 J	2.8 J	490 J	633 JT
BT031	LW2-GBT031	60 J	2 U	340 J	400 JT
BT032	LW2-GBT032	200 J	3.5 UT	1000 J	1200 JT
BT033	LW2-GBT033	100 J	2.4 U	650 J	750 JT
AR02APG	LWG2-PG-AR2A	70 J	2.8 J	250 J	323 JT
EM02APG	LWG2-PG-EM2A	14 J	1.8 U	22 J	36 JT
EM03APG	LWG2-PG-EM3A	100 J	1.4 U	110 J	210 JT
GS04APG	LWG2-PG-GS4A	10000 J	140 J	13000 J	23100 JT
GS04APG2	LWG2-PG-GS4A-2	10000 J	260 J	11000 J	21300 JT
GS07BPG	LWG2-PG-GS7B	1700 J	8.7 U	2300 J	4000 JT
GS07DPG	LWG2-PG-GS7D	1050 JT	7.5 UJ	1550 JT	2600 JT
KM08APG	LWG2-PG-KM8A	23 J	1.3 U	30 J	53 JT
R2AR01PG	LWG2-PG-R2AR1	8.3 J	1.3 U	43 J	51.3 JT
R2AR01G2	LWG2-PG-R2AR1-2	15 J	1.3 U	48 J	63 JT
R2AR02PG	LWG2-PG-R2AR2	110 J	1.5 J	290 J	402 JT
R2AR04PG	LWG2-PG-R2AR4	200 J	1.5 J	490 J	692 JT
R2KM2PG	LWG2-PG-R2KM2	100 J	3.6 T	500 J	604 JT
SL02APG	LWG2-PG-SL2A	1150 JT	21.5 JT	1400 JT	2570 JT
SL02EPG	LWG2-PG-SL2E	170 J	9 J	520 J	699 JT
SL03FPG	LWG2-PG-SL3F	98 J	11 J	390 J	499 JT
SL04APG	LWG2-PG-SL4A	150 J	3 J	290 J	443 JT
SL04FPG	LWG2-PG-SL4F	130 J	8.9	320 J	459 JT
SL05APG	LWG2-PG-SL5A	100 J	2.3 UT	250 J	350 JT
W09APG	LWG2-PG-W9A	4.9 U	1.6 U	16 J	16 JT
W09CPG	LWG2-PG-W9C	180 J	4.5 U	580 J	760 JT
ARC02B	LWPTZSARCO2B2	310 J	12 J	640 J	962 JT
ARC03B	LWPTZSARCO3B	680 J	42 JT	1100 J	1820 JT
ARC06B-1	LWPTZSARCO6B-1	945 JT	85 J	1300 JT	2330 JT
ARC06B-2	LWPTZSARCO6B-2	880 J	64 J	1200 J	2140 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
NA-2B	NA-2B-0031	74 J	2.2 UJ	380 J	454 JT
NA-3B	NA-3B-0034	140 J	10 J	340 J	490 JT
NA-4B	NA-4B-0024	250 J	2.6 UJ	840 J	1090 JT
SD01	WLCAYH00SD01SD01S	80	61 U	300 J	380 JT
SD02	WLCAYH00SD02SD02S	60 J	78 U	300 J	360 JT
SD03	WLCAYH00SD03SD03S	84	52 U	360	444 T
SD04	WLCAYH00SD04SD04S	72	54 U	200 J	272 JT
WR-PG-01	WLCDRD05PG00101	92 J	2.6 UJ	600 J	692 JT
WR-PG-02	WLCDRD05PG00202	87 J	2.7 UJ	540 J	627 JT
WR-PG-03	WLCDRD05PG00303	74 J	2.5 UJ	450 J	524 JT
WR-PG-04	WLCDRD05PG00404	69 J	2 UJ	310 J	379 JT
WR-PG-06	WLCDRD05PG00606	71 J	2.4 UJ	380 J	451 JT
WR-PG-09	WLCDRD05PG00909	67 J	2.3 UJ	360 J	427 JT
WR-PG-11	WLCDRD05PG01111	88 J	2.5 UJ	500 J	588 JT
WR-PG-12	WLCDRD05PG01212	68 J		330 J	398 JT
WR-PG-13	WLCDRD05PG01313	94 J	2.2 UJ	450 J	544 JT
WR-PG-14	WLCDRD05PG01414	110 J	2.5 UJ	610 J	720 JT
WR-PG-15	WLCDRD05PG01515	76 J	2.2 U	370 J	446 JT
WR-PG-16	WLCDRD05PG01616	540 J	17 J	1000 J	1560 JT
WR-PG-17	WLCDRD05PG01717	92 J	2.3 U	450 J	542 JT
WR-PG-18	WLCDRD05PG01818	72 J	2.1 UJ	390 J	462 JT
WR-PG-19	WLCDRD05PG01919	89 J	2.3 U	440 J	529 JT
WR-PG-21	WLCDRD05PG02121	77 J	2 U	370 J	447 JT
WR-PG-22	WLCDRD05PG02222	130 J	2.6 U	730 J	860 JT
WR-PG-23	WLCDRD05PG02323	290 J	5.4 U	700 J	990 JT
WR-PG-24	WLCDRD05PG02424	250 J	6.4 U	690 J	940 JT
WR-PG-26	WLCDRD05PG02626	4.3 U	1.3 U	8.4 J	8.4 JT
WR-PG-27	WLCDRD05PG02727	76 J	2.9 U	530 J	606 JT
WR-PG-29	WLCDRD05PG02929	77 J	2.4 U	520 J	597 JT
WR-PG-30	WLCDRD05PG03030	140 J	2.4 UJ	650 J	790 JT
WR-PG-33	WLCDRD05PG03333	27 J	1.7 U	180 J	207 JT
WR-PG-34	WLCDRD05PG03434	120 J	2.8 UJ	720 J	840 JT
WR-PG-35	WLCDRD05PG03535	74 J	2.1 U	420 J	494 JT
WR-PG-36	WLCDRD05PG03636	110 J	1.9 U	390 J	500 JT
WR-PG-37	WLCDRD05PG03737	130 J	2 U	510 J	640 JT
WR-PG-39	WLCDRD05PG03939	63 J	2 U	410 J	473 JT
WR-PG-41	WLCDRD05PG04141	53 J	1.9 U	340 J	393 JT
WR-PG-42	WLCDRD05PG04242	660 J	15 J	1100 J	1780 JT
WR-PG-43	WLCDRD05PG04343	61 J	2.3 U	460 J	521 JT
WR-PG-45	WLCDRD05PG04545	41 J	1.9 U	270 J	311 JT
WR-PG-47	WLCDRD05PG04747	89 J	2.2 U	550 J	639 JT
WR-PG-48	WLCDRD05PG04848	120 J	2.2 UJ	530 J	650 JT
WR-PG-50	WLCDRD05PG05050	840 J	7 UJ	1300 J	2140 JT
WR-PG-52	WLCDRD05PG05252	840 J	3.8 UJ	1600 J	2440 JT
WR-PG-54	WLCDRD05PG05454	190 J	2.4 UJ	620 J	810 JT
WR-PG-56	WLCDRD05PG05656	120 J	2 U	460 J	580 JT
WR-PG-58	WLCDRD05PG05858	150 J	1.8 U	530 J	680 JT
WR-PG-60	WLCDRD05PG06060	360 J	6.9 U	770 J	1130 JT
WR-PG-61	WLCDRD05PG06161	84 J	2.2 U	590 J	674 JT
WR-PG-62	WLCDRD05PG06262	68 J	2.2 U	410 J	478 JT
WR-PG-63	WLCDRD05PG06363	59 J	1.8 U	490 J	549 JT
WR-PG-64	WLCDRD05PG06464	84 J	2.4 U	500 J	584 JT
WR-PG-66	WLCDRD05PG06666	68 J	2.6 U	420 J	488 JT
WR-PG-68	WLCDRD05PG06868	190 J	3.7 U	700 J	890 JT
WR-PG-70	WLCDRD05PG07070	96 J	2.3 U	520 J	616 JT
WR-PG-72	WLCDRD05PG07272	100 J	2.7 U	630 J	730 JT
WR-PG-74	WLCDRD05PG07474	110 J	2.6 U	700 J	810 JT
WR-PG-76	WLCDRD05PG07676	81 J	2.5 U	540 J	621 JT
WR-PG-78	WLCDRD05PG07878	94 J	2.7 UJ	620 J	714 JT
WR-PG-80	WLCDRD05PG08080	76 J	2.5 U	530 J	606 JT
WR-PG-82	WLCDRD05PG08282	56 J	2 U	350 J	406 JT
WR-PG-84	WLCDRD05PG08484	72 J	2.5 U	510 J	582 JT
WR-PG-86	WLCDRD05PG08686	88 J	2.7 U	620 J	708 JT
WR-PG-88	WLCDRD05PG08888	110 J	2.9 UJ	760 J	870 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
WR-PG-90	WLCDRD05PG09090	110 J	2.8 U	690 J	800 JT
WR-PG-92	WLCDRD05PG09292	110 J	2.8 UJ	730 J	840 JT
WR-PG-94	WLCDRD05PG09494	110 J	2.8 UJ	720 J	830 JT
WR-PG-96	WLCDRD05PG09696	120 J	3.1 U	800 J	920 JT
WR-PG-98	WLCDRD05PG09898	110 J	2.7 U	810 J	920 JT
WR-PG-100	WLCDRD05PG100100	130 J	3 UJ	850 J	980 JT
WR-PG-102	WLCDRD05PG102102	100 J	2.6 U	650 J	750 JT
WR-PG-104	WLCDRD05PG104104	130 J	2.8 UJ	850 J	980 JT
WR-PG-106	WLCDRD05PG106106	170 J	2.4 U	820 J	990 JT
WR-PG-108	WLCDRD05PG108108	61 J	1.5 U	330 J	391 JT
WR-PG-112	WLCDRD05PG112112	100 J	2.6 U	690 J	790 JT
WR-PG-114	WLCDRD05PG114114	120 J	2.3 UJ	900 J	1020 JT
WR-PG-116	WLCDRD05PG116116	85 J	2.4 U	610 J	695 JT
WR-PG-118	WLCDRD05PG118118	86 J	2.5 U	610 J	696 JT
WR-PG-120	WLCDRD05PG120120	140 J	7.1 UJ	960 J	1100 JT
WR-PG-122	WLCDRD05PG122122	130 J	2.5 U	760 J	890 JT
WR-PG-124	WLCDRD05PG124124	72 J	2.3 U	510 J	582 JT
WR-PG-126	WLCDRD05PG126126	46 J	2 U	320 J	366 JT
WR-PG-128	WLCDRD05PG128128	78 J	2.3 U	550 J	628 JT
WR-PG-130	WLCDRD05PG130130	150 J	2.2 U	900 J	1050 JT
WR-PG-132	WLCDRD05PG132132	77 J	2.6 U	530 J	607 JT
WR-PG-134	WLCDRD05PG134134	57 J	2.1 U	380 J	437 JT
WR-PG-45	WLCDRD05PG135135Dup	42 J	1.9 U	280 J	322 JT
WR-PG-39	WLCDRD05PG136136Dup	58 J	2 U	370 J	428 JT
WR-PG-27	WLCDRD05PG137137Dup	61 J	1.8 UJ	410 J	471 JT
WR-PG-48	WLCDRD05PG138138Dup	120 J	2.2 U	540 J	660 JT
WR-PG-36	WLCDRD05PG139139Dup	110 J	1.9 UJ	420 J	530 JT
WR-PG-06	WLCDRD05PG140140Dup	77 J	2.4 UJ	410 J	487 JT
WR-PG-01	WLCDRD05PG141141Dup	86 J	2.6 UJ	570 J	656 JT
WR-PG-Ref01	WLCDRD05PGR01Ref01	16 J	1.6 U	100 J	116 JT
WR-PG-Ref02	WLCDRD05PGR02Ref02	8.9 J	1.6 U	64 J	72.9 JT
WR-PG-Ref03	WLCDRD05PGR03Ref03	53 J	2.2 U	380 J	433 JT
COMP1-100603	WLCEMH04CMP103CMP103	50 U	20 U		50 UT
COMP1-081304	WLCEMH04CMP104CMP104	50 U	20 U		50 UT
COMP2-100603	WLCEMH04CMP203CMP203	50 U	20 U		50 UT
COMP2-081304	WLCEMH04CMP204CMP204	50 U	20 U		50 UT
A2GS09	WLCGNG03A2GS09A2GS09	50 U	20 U		50 UT
A2GS10	WLCGNG03A2GS10A2GS10	25 U	20 U		25 UT
A2GS11	WLCGNG03A2GS11A2GS11	25 U	20 U		25 UT
A2GS12	WLCGNG03A2GS12A2GS12	50	20 U		50 JT
SED01	WLCGXB02SED01SED01	25 U	2 J		2 JT
SED03	WLCGXB02SED03SED03	173	2 J		175 JT
SD01	WLCMFH00SD01SD01	92	48 U	640	732 T
SD02	WLCMFH00SD02SD02	99 U	40 U	400 U	400 UT
SD03	WLCMFH00SD03SD03	99	40 U	380 U	99 T
SD04	WLCMFH00SD04SD04S	210	40 U	410	620 T
SD05	WLCMFH00SD05SD05S	720	140 U	840	1560 T
SD06	WLCMFH00SD06SD06S	110 U	40 U	450 U	450 UT
RB13	WLCOSJ00RB13SD0015	10 U	10 U		10 UT
HC-REFA	WLCRIL99HCREFAHCREFA	10 U	10 UJ		25 U
HC-REFB	WLCRIL99HCREFBHCREFB	50 U	50 UJ		135
HC-REFC	WLCRIL99HCREFCHCREFC	10 U	10 UJ		54
HC-SS02	WLCRIL99HCSS02HCSS02	10 U	10 UJ		118
HC-SS03	WLCRIL99HCSS03HCSS03	20 U	20 UJ		116
HC-SS04	WLCRIL99HCSS04HCSS04	10 U	10 UJ		25 U
HC-SS05	WLCRIL99HCSS05CSS100	20 U	20 UJ		73
HC-SS05	WLCRIL99HCSS05HCSS05	20 U	20 UJ		65
HC-SS06	WLCRIL99HCSS06HCSS06	50 U	50 UJ		150
HC-SS07	WLCRIL99HCSS07HCSS07	10 U	10 UJ		180
HC-SS08	WLCRIL99HCSS08HCSS08	50 U	50 UJ		180
HC-SS09	WLCRIL99HCSS09HCSS09	50 U	50 UJ		200
HC-SS10	WLCRIL99HCSS10HCSS10	50 U	50 UJ		150
HC-SS11	WLCRIL99HCSS11HCSS11	10 U	10 UJ		60
HC-SS12	WLCRIL99HCSS12HCSS12	20 U	20 UJ		96

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
HC-SS13	WLCRIL99HCSS13HCSS13	50 U	50 UJ		142
HC-SS14	WLCRIL99HCSS14HCSS14	50 U	50 UJ		170
HC-SS15	WLCRIL99HCSS15CSS102	50 U	50 UJ		200
HC-SS15	WLCRIL99HCSS15HCSS15	50 U	50 UJ		180
HC-SS16	WLCRIL99HCSS16HCSS16	50 U	50 UJ		170
HC-SS17	WLCRIL99HCSS17HCSS17	50 U	50 UJ		187
HC-SS18	WLCRIL99HCSS18HCSS18	10 U	10 UJ		110
HC-SS19	WLCRIL99HCSS19HCSS19	10 U	10 UJ		110
HC-SS20	WLCRIL99HCSS20HCSS20	10 U	10 UJ		100
HC-SS22	WLCRIL99HCSS22HCSS22	10 U	10 UJ		200
HC-SS23	WLCRIL99HCSS23HCSS23	10 U	10 UJ		170
HC-SS24	WLCRIL99HCSS24HCSS24	10 U	10 UJ		110
HC-SS25	WLCRIL99HCSS25HCSS25	10 U	10 UJ		25 U
HC-SS26	WLCRIL99HCSS26HCSS26	20 U	20 UJ		71
HC-SS28	WLCRIL99HCSS28HCSS28	10 U	10 UJ		25 U
HC-SS29	WLCRIL99HCSS29HCSS29	10 U	10 UJ		28
HC-SS30	WLCRIL99HCSS30HCSS30	10 U	10 UJ		28
HC-SS31	WLCRIL99HCSS31HCSS31	10 U	10 UJ		25 U
HC-SS32	WLCRIL99HCSS32CSS103	10 U	10 UJ		260
HC-SS32	WLCRIL99HCSS32HCSS32	10 U	10 UJ		240
HC-SS33	WLCRIL99HCSS33HCSS33	10 U	10 UJ		48
HC-SS34	WLCRIL99HCSS34CSS101	10 U	10 UJ		89
HC-SS34	WLCRIL99HCSS34HCSS34	10 U	10 UJ		92
G05	WLCRIV99G05G05S00	10 U	10 U		140
G06A	WLCRIV99G06A06AS02	50 U	50 U		470
T4-UP01	WLCT4C04UP01UP0101	200 J	1.9 J	530 J	732 JT
T4-UP02	WLCT4C04UP02UP0201	20 U	3.3 U	30 J	30 JT
T4-UP03	WLCT4C04UP03UP03	17 J	3 U	35 J	52 JT
T4-UP04	WLCT4C04UP04UP04	31 J	3.2 U	130 J	161 JT
T4-UP05	WLCT4C04UP05UP05	19 U	3.3 U	7.7 J	7.7 JT
T4-UP06	WLCT4C04UP06UP0601	160 J	5 U	710 J	870 JT
T4-UP07	WLCT4C04UP07UP0701	190 J	4.6 U	830 J	1020 JT
T4-UP08	WLCT4C04UP08UP0801	23 U	3.3 U	45 J	45 JT
T4-UP10	WLCT4C04UP10UP1001	58 J	4.1 U	260 J	318 JT
T4-UP12	WLCT4C04UP12UP1201	23 J	3.1 U	74 J	97 JT
T4-UP13	WLCT4C04UP13UP1301	360 J	1.5 J	1200 J	1560 JT
T4-UP14	WLCT4C04UP14UP14	330 J	2.3 J	360 J	692 JT
T4-VC01	WLCT4C04VC01VC0101	110 J	4.3 U	410 J	520 JT
T4-VC02	WLCT4C04VC02VC0201	41 J	3.7 U	220 J	261 JT
T4-VC03	WLCT4C04VC03VC0301	28 J	4.1 U	96 J	124 JT
T4-VC04	WLCT4C04VC04VC0401	47 J	4.2 U	180 J	227 JT
T4-VC05	WLCT4C04VC05VC0501	69 J	4.7 U	220 J	289 JT
T4-VC06	WLCT4C04VC06VC0601	140 J	2 J	490 J	632 JT
T4-VC07	WLCT4C04VC07VC0701	240 J	4.9 U	790 J	1030 JT
T4-VC08	WLCT4C04VC08VC0801	140 J	3.9 U	400 J	540 JT
T4-VC09	WLCT4C04VC09VC0901	130 J	4.9 U	560 J	690 JT
T4-VC10	WLCT4C04VC10VC1001	22 U	3.3 U	87 U	87 UT
T4-VC11	WLCT4C04VC11VC1101	57 J	4.4 U	210 J	267 JT
T4-VC12	WLCT4C04VC12VC1201	130 J	4.7 U	380 J	510 JT
T4-VC13	WLCT4C04VC13VC1301	13 J	2.8 U	33 J	46 JT
T4-VC14	WLCT4C04VC14VC1401	18 U	3 U	71 U	71 UT
T4-VC15	WLCT4C04VC15VC1501	290 J	5 U	910 J	1200 JT
T4-VC16	WLCT4C04VC16VC1601	180 J	3.7 U	590 J	770 JT
T4-VC17	WLCT4C04VC17VC1701	29 J	4.5 U	100 J	129 JT
T4-VC18	WLCT4C04VC18VC1801	46 J	4.1 U	150 U	46 JT
T4-VC19	WLCT4C04VC19VC1901	69 J	4.5 U	270 J	339 JT
T4-VC20	WLCT4C04VC20VC2001	47 J	4.7 U	170 J	217 JT
T4-VC21	WLCT4C04VC21VC2101	59 J	4.8 U	230 J	289 JT
T4-VC22	WLCT4C04VC22VC2201	14 U	2.7 U	8.7 J	8.7 JT
T4-VC23	WLCT4C04VC23VC2301	49 J	4.9 U	140 J	189 JT
T4-VC24	WLCT4C04VC24VC2401	290 J	3.9 U	790 J	1080 JT
T4-VC25	WLCT4C04VC25VC2501	14 U	2.8 U	54 U	54 UT
T4-VC26	WLCT4C04VC26V2601	88 J	3.2 U	260 J	348 JT
T4-VC27	WLCT4C04VC27VC2701	46 J	2.9 U	87 U	46 JT

Table C2-11. Petroleum Hydrocarbon Values Used in TPH Calculations for Surface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
T4-VC28	WLCT4C04VC28VC2801	9.1 J	4.8 U	20 J	29.1 JT
T4-VC29	WLCT4C04VC29VC2901	250 J	3.4 U	450 J	700 JT
T4-VC30	WLCT4C04VC30VC3001	64 J	4.5 U	200 J	264 JT
T4-VC31	WLCT4C04VC31VC3101	58 J	4.8 U	190 J	248 JT
T4-VC32	WLCT4C04VC32VC3201	210 J	3.4 U	440 J	650 JT
HC01	WLLRSH01HC01HC01	14 U	14 U	34 U	34 UT
HC02	WLLRSH01HC02HC02	14 U	14 U	35 U	35 UT
HC03	WLLRSH01HC03HC03	34 Z	33 U	190 Z	224 T
HC04	WLLRSH01HC04HC04	56 Z	37 U	290 Z	346 T
HC05	WLLRSH01HC05HC05	28 U	28 U	72 Z	72 T
HC07	WLLRSH01HC07HC07	13 U	13 U	32 U	32 UT
HC08	WLLRSH01HC08HC08	39 Z	35 U	230 Z	269 T
HC09	WLLRSH01HC09HC09	28 U	28 U	160 Z	160 T
HC10	WLLRSH01HC10HC10	38 Z	34 U	200 Z	238 T

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
Z - Fingerprint does not resemble petroleum product.

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C009	LW2-C009-B	1.33	1.04	0.71	0.59		0.31		0.71			4.69 T
C009	LW2-C009-C	16.7	24.3	12.3	8.22		5.22		10.3			77 T
C011-1	LW2-C011-B1	5.06 T	3.52 T	2.67 T	1.84 T		1.01 T		1.38 T			15.5 T
C011-2	LW2-C011-B2	2.19	1.25	0.94	0.77		0.58		0.48			6.21 T
C011-1	LW2-C011-C1	11.5 T	18.5 T	17.3 T	12.1 T		7.27 T		10.7 T			77.4 T
C011-2	LW2-C011-C2	8.72	6.38	4.28	3.33		1.89		3.68			28.3 T
C011-1	LW2-C011-D1	8.12 T	5.76 T	4.54 T	2.92 T		2.01 T		4.36 T			27.7 T
C011-2	LW2-C011-D2	12.7	19.4	16.2	12.5		6.42		13.6			80.8 T
C011-1	LW2-C011-E1	21.1 J	22 J	10.6 J	6.5 J		4.1 J		9.93 J			74.2 T
C011-2	LW2-C011-E2	6.25	4.58	4.51	2.2		1.74		3.65			22.9 T
C011-1	LW2-C011-F1	23.7 J	19.6 J	9.84 J	7.19 J		3.03 J		10.1 J			73.5 T
C011-2	LW2-C011-G2	19.8 J	21.8 J	10.7 J	6.87 J		3.8 J		8.21 J			71.2 T
C015	LW2-C015-B	15.1	18.8	13.1	10.3		10.3		6.74			74.3 T
C015	LW2-C015-C	3.51	4.86	3.69	2.56		1.48		3.09			19.2 T
C015	LW2-C015-D	15.8	18.4	10.9	7.73		4.7		10.8			68.3 T
C015	LW2-C015-E	3.27 J	4.98 J	4.12 J	2.6 J		1.44 J		3.67 J			20.1 T
C019-1	LW2-C019-B1	1.27	1.26	0.76	0.63		0.41		0.73			5.06 T
C019-2	LW2-C019-B2	7.71 J	11.1 J	6.47 J	5.01 J		2.47 J		5.41 J			38.2 T
C019-1	LW2-C019-C1	5.71	6.83	3.99	2.69		1.63		3.51			24.4 T
C019-1	LW2-C019-D1	3.38 J	2.5 J	2.5 J	1.61 J		1.35 J		2.3 J			13.6 T
C019-2	LW2-C019-E2	11.6 J	16.9 J	11 J	6.4 J		3.69 J		8.75 J			58.3 T
C020	LW2-C020-B	12 T	18.4 T	13.5 T	8.19 T		8.95 T		7.26 JT			68.3 JT
C020	LW2-C020-C	2.11	1.76	1.3	0.78		0.87		1.16			7.98 T
C020	LW2-C020-D	11.8 JT	15.9 JT	16.7 JT	9.73 JT		5.04 JT		7.96 JT			67.1 T
C022	LW2-C022-B	21.5	20.4	13.6	12.6		12.3		6.22			86.6 T
C022	LW2-C022-C	13	28.5	14.9	14.5		16.4		7.25			94.6 T
C022	LW2-C022-D	10.9 J	21.3 J	19.8 J	15.9 J		9.03 J		14.4 J			91.3 T
C025-1	LW2-C025-B1	7.22	6.33	3.08	2.31		1.81		3.3			24.1 T
C025-2	LW2-C025-B2	0.9 J	0.7 J	0.42 J	0.32 J		0.23 J		0.59 J			3.16 T
C025-1	LW2-C025-C1	14.7	22.3	13.8	7.22		5.84		10.7			74.6 JT
C025-1	LW2-C025-D1	11.6 J	20.1 J	14.7 J	9.89 J		5.15 J		11.5 J			72.9 T
C025-2	LW2-C025-D2	0.327 T	0.367 T	0.397 T	0.207 T		0.15 T		0.147 T			1.6 T
C025-2	LW2-C025-E2	18.6 J	21.3 J	11.8 J	7.37 J		4.42 J		10.1 J			73.6 T
C027	LW2-C027-B	8.17	6.31	5.17	2.55		1.89		4.47			28.6 T
C027	LW2-C027-C	9.35	8.07	5.4	3.23		2.17		4.78			33 T
C027	LW2-C027-D	12.5 J	16.1 J	10.6 J	5.85 J		3.76 J		7.94 J			56.8 T
C034	LW2-C034-B	1.55	1.31	1.08	1.05		0.74		0.77			6.5 T
C034	LW2-C034-C	2.69	2.82	2.78	2.03		1.12		2.24			13.7 T
C034	LW2-C034-E	1.87	2.2	1.71	1.38		0.78		1.32			9.26 T
C034	LW2-C034-F	12.7 J	14.3 J	8.58 J	5.39 J		3.45 J		7.3 J			51.7 T
C038	LW2-C038-B	1.73	1.51	1.06	0.89		0.7		0.47			6.36 T
C038	LW2-C038-C	1.42	0.91	0.62	0.45		0.49		0.55			4.44 T
C038	LW2-C038-D	13	11.1	8.51	4.94		3.1		7.01			47.7 T
C060	LW2-C060-B	12.2	15.8	8.8	6.45		3.32		5.13			51.7 T
C060	LW2-C060-C	10.1	15.8	10.7	6.82		3.6		5.26			52.3 T
C061	LW2-C061-B	3.23	3.89	2.48	1.47		0.66		0.65			12.4 T
C061	LW2-C061-C	6.58	10.6	9.43	5.87		2.58		2.93			38 T
C061	LW2-C061-D	0.42 J	0.33 J	0.12 J	0.26 J		0.06 J		0.28 J			1.47 T
C061	LW2-C061-E	2.56	1.36	0.88	0.52		0.29		0.34			5.95 T
C062	LW2-C062-B	1.13 T	0.873 T	0.483 T	0.387 T		0.31 T		0.507 T			3.69 T
C062	LW2-C062-C	6.62	8.65	6.04	3.48		2.04		4.26			31.1 T
C062	LW2-C062-D	0.37	0.39	0.27	0.19		0.19		0.32			1.73 T
C064	LW2-C064-B	14	22	13.2	7.25		4.71		9.94			71.1 T
C064	LW2-C064-C	13.7	19.1	17.3	12.5		8.4		12.9			83.9 T
C066	LW2-C066-B	13.4	13.3	8.28	5.16		2.9		7.13			50.2 T
C066	LW2-C066-C	16.2	9.33	6.94	5.13		2.81		5.57			46 T
C066	LW2-C066-F	7.71	19.8	27.4	16.6		7.76		13.5			92.8 T
C067	LW2-C067-B	16.7	14	9.24	6.35		5.83		3.94			56.1 T
C067	LW2-C067-D	14.6	18.3	16.1	10.5		6.51		12.8			78.8 T
C067	LW2-C067-E	7.85	13.2	9.35	6.37		5.54		7.04			49.4 T
C073	LW2-C073-B	0.97	1.36	1.04	1.11		0.5		1.04			6.02 T
C073	LW2-C073-C	6.13	10.2	8.52	5.23		4.42		6.17			40.7 T
C073	LW2-C073-D	2.19	2.08	1.39	1.26		0.77		1.44			9.13 T
C074	LW2-C074-B	11.9	11.1	7.86	6.03		4.03		5.51			46.4 T
C074	LW2-C074-C	1.05	1.11	0.84	0.79		0.57		0.49			4.85 T
C074	LW2-C074-D	5.12	6.65	4.98	3.19		1.92		4.14			26 T
C074	LW2-C074-F	0.127 T	0.23 T	0.13 T	0.107 T		0.0433 T		0.0333 T			0.671 T
C077	LW2-C077-C	10	9.57	6.12	3.64		1.41		1.35			32.1 T
C077	LW2-C077-D	13.3	24.6	20.6	11.5		4.12		3.91			78 T
C078	LW2-C078-B	9.56	6.62	4.7	3		1.86		5			30.7 T
C078	LW2-C078-C	13.8	8.88	5.74	3.1		1.96		5.47			39 T
C079	LW2-C079-B	10.8	12.2	10.7	9.26		8.07		16.9			67.9 T
C079	LW2-C079-C	14.3	11	7.66	4.55		3.46		6.79			47.8 T
C080	LW2-C080-B	0.6	0.57	0.49	0.54		0.38		0.74			3.32 T
C080	LW2-C080-C	2.11	1.27	0.79	0.77		0.68		1.33			6.95 T
C082	LW2-C082-B1	1.23	1.41	1.8	1.05		0.75		0.84			7.08 T
C082-2	LW2-C082-B2	1.53 T	2.3 T	1.81 T	1.5 T		0.968 T		1.14 T			9.25 T
C082	LW2-C082-C1	0.46	0.59	0.47	0.06		0.19		0.33			2.1 T
C082-2	LW2-C082-C2	1.42 T	2.07 T	1.5 T	0.95 T		0.545 T		0.985 T			7.47 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C082	LW2-C082-D1	0.27	0.05	0.06	0.11		0.04		0.14			0.67 T
C082-2	LW2-C082-D2	0.3 T	0.19 T	0.105 T	0.02 T		0.205 T		0.235 T			1.06 T
C083	LW2-C083-B	8.84	9.73	7.19	5.66		2.89		6.9			41.2 T
C083	LW2-C083-C	4.38	5.3	4.9	3.22		2.01		3.19			23 T
C084	LW2-C084-B	14	13.7	9.68	6.89		4.05		8.2			56.5 T
C084	LW2-C084-C	12.5	15.2	8.73	4.52		2.7		7.15			50.8 T
C084	LW2-C084-D	13.8 T	11.9 T	7.01 T	3.51 T		2.55 T		6.82 T			45.6 T
C086	LW2-C086-B	6.96 T	17 T	15.7 T	11 T		5.23 T		7.81 T			63.7 T
C086	LW2-C086-C	0.14	0	0.19	0		0.04		0.03			0.4 T
C087	LW2-C087-B	8.63	13	10.2	8.04		5.02		11			55.9 T
C087	LW2-C087-C	1.1	1.27	1	0.72		0.53		0.8			5.42 T
C088	LW2-C088-B	9.39	10.3	9.04	7.34		4.77		8.54			49.4 T
C088	LW2-C088-C	0.37	0.44	0.35	0.37		0.15		0.4			2.08 T
C089	LW2-C089-B	2.52	2.11	1.27	1.56		1.2		1.41			10.1 T
C089	LW2-C089-C	3.46	2.44	1.68	1.48		1.01		2.1			12.2 T
C089	LW2-C089-D	25.5	18	9.47	7.58		3.76		9.21			73.5 T
C090	LW2-C090-B	9.27	11.6	7.42	6.09		3.42		6.57			44.4 T
C090	LW2-C090-C	0.2	0.21	0.09	0		0.12		0.31			0.93 T
C091	LW2-C091-B	12.7 T	14.3 T	12.1 T	10.3 T		6.56 T		8.59 T			64.6 T
C091	LW2-C091-C	16.1	13.1	8.89	6.7		4.5		9.04			58.3 T
C091	LW2-C091-D	0.3	0.21	0.19	0.11		0.03		0.22			1.06 T
C092	LW2-C092-B	9.02	7.95	5.92	6.91		4.96		6.25			41 T
C092	LW2-C092-C	3.78	3.28	3.05	3.54		1.9		3.54			19.1 T
C092	LW2-C092-D	13.1	13.8	9.69	7.43		4.39		10.5			58.9 T
C092	LW2-C092-E	24.2	25.3	13.3	9.24		4.58		10.7			87.3 T
C093	LW2-C093-B	3.79	9.39	15.8	14.9		16.4		22.9			83.2 T
C093	LW2-C093-C	19.7	11.9	6.29	3.61		2.2		5.16			48.9 T
C094	LW2-C094-B	10.9	10.2	9.11	9.78		7.95		11			58.9 T
C094	LW2-C094-C	18.7	12.3	9.7	7.04		5.21		11.7			64.7 T
C096	LW2-C096-B	1.14	0.51	0.47	0.5		0.29		0.41			3.32 T
C096	LW2-C096-C	1.12	1.29	0.65	0.65		0.31		0.78			4.8 T
C099	LW2-C099-B	20.2	21.2	12.7	6.72		4.24		9.48			74.5 T
C099	LW2-C099-C	15.7	14.2	10	7.45		5.34		9.69			62.4 T
C103	LW2-C103-B	15.2	19.1	10.8	7.78		4.3		8.07			65.3 T
C103	LW2-C103-D	12.9	26	16.6	14		9.08		12.7			91.3 T
C103	LW2-C103-E	0.653 T	0.607 T	0.53 T	0.407 T		0.33 T		0.447 T			2.97 T
C105	LW2-C105-B	23.3	18	10.2	6.05		3.07		7.7			68.3 T
C105	LW2-C105-C	16.6	16.8	12.1	8.76		4.3		7.95			66.5 T
C106	LW2-C106-B	12.8	26.3	16.8	11.2		6.59		12.3			86 T
C106	LW2-C106-C	13.2	20	12.5	8.67		6.06		9.91			70.3 T
C106	LW2-C106-E	13.9	21.7	17.3	12.8		8.61		12			86.3 T
C106	LW2-C106-F	6.05	9.11	5.77	4.9		2.91		4.34			33.1 T
C109	LW2-C109-B	18.7	20.4	12.1	8.82		5.29		9.78			75.1 T
C109	LW2-C109-C	14.1	21.1	15	12.3		6.15		11			79.7 T
C109	LW2-C109-E	0.5	0.56	0.1	0.37		0.18		0.04			1.75 T
C111-1	LW2-C111-B	19.3	19.7	14.9	4.69		6.25		6.11			71 T
C111-2	LW2-C111-B2	15.7	18.9	11.2	8.22		6.13		6.81			67 T
C111-1	LW2-C111-C	16.5	21.7	15.1	12.3		6.3		13.6			85.5 T
C111-2	LW2-C111-C2	15.5	22.2	13.4	13		5.99		13.1			83.2 T
C111-2	LW2-C111-D2	18.5 J	21.8 J	14.6 J	11.4 J		5.86 J		10.2 J			82.4 T
C111-2	LW2-C111-E2	14.1	18.6	15.6	11.8		6.77		13.4			80.3 T
C111-1	LW2-C111-F	5.52	7	5.42	4.41		2.11		5.08			29.5 T
C112	LW2-C112-B	17.6	15.9	10.3	7.85		5.48		6.1			63.2 T
C112	LW2-C112-C	15.4	18.4	11.9	9.15		8		8.12			71 T
C112	LW2-C112-D	13	18.2	13.6	11.6		6.79		13.9			77.1 T
C121	LW2-C121-B	10.9	15.6	12.4	7.42		4.52		10.9			61.7 T
C121	LW2-C121-D	21.6 JT	11.9 JT	5.43 JT	2.63 JT		1.31 JT		2.08 JT			45 T
C122	LW2-C122-B	21	18.3	11.6	7.89		5.48		8.74			73 T
C122	LW2-C122-C	15.4	17.4	11.9	8.36		4.71		11.7			69.5 T
C127	LW2-C127-B	14.8	19.8	12.9	9.09		5.86		8.08			70.5 T
C127	LW2-C127-C	13.3	21.2	12.7	9.86		5.15		9.04			71.3 T
C127	LW2-C127-D	9.96 T	2.6 T	0.893 T	0.62 T		0.227 T		0.543 T			14.8 T
C130	LW2-C130-B	6.47	13.4	12.1	9.12		5.61		8.37			55.1 T
C130	LW2-C130-C	0.35	0.16	0.31	0.22		0.05		0.12			1.21 T
C130	LW2-C130-E	36.8	14.6	7.45	4.35		2.5		5.43			71.1 T
C133	LW2-C133-B	20.2	23.6	13.6	8.16		4.14		9.49			79.2 T
C133	LW2-C133-C	19.7 J	21.5 J	13.6 J	9.6 J		6.46 J		11.7 J			82.6 T
C133	LW2-C133-D	15.5	20.7	14.5	9.06		5.82		14.8			80.4 T
C135	LW2-C135-B	18.6	25	13.3	7.83		5.79		8.19			78.7 T
C135	LW2-C135-C	12.8	15.9	9.94	7.27		3.06		5.39			54.4 T
C135	LW2-C135-D	16.5 J	16.4 J	10.9 J	8.15 J		4.44 J		10.8 J			67.2 T
C136	LW2-C136-B	13.4	16.4	12.1	7.7		4.67		9.1			63.4 T
C136	LW2-C136-C	14.9	19	17.4	11.5		6.59		13.8			83.2 T
C136	LW2-C136-D	11.8	18.8	14.6	10.8		5.26		11.6			72.9 T
C138	LW2-C138-B	7.21 J	7.09 J	6.42 J	4.23 J		2.25 J		3.79 J			31 T
C138	LW2-C138-C	20.9	17.1	8.12	4.78		2.23		4.29			57.4 T
C138	LW2-C138-D	22 J	24.6 J	19.7 J	10.7 J		5.58 J		9.87 J			92.5 T
C139	LW2-C139-B	20.1	23	12.5	8.2		5.16		10.7			79.7 T
C139	LW2-C139-C	12.4	13.7	8.51	5.56		3.55		7.62			51.3 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C139	LW2-C139-D	19.4 J	5.67 J	2.97 J	1.69 J		0.95 J		1.99 J			32.7 T
C142	LW2-C142-B	13.1	18.4	12.9	8.74		5.79		10.2			69.1 T
C142	LW2-C142-C	12.4	22.5	17.1	12.7		11.1		9.18			85 T
C144	LW2-C144-B	17.9	26	14.9	11.3		5.55		10.8			86.5 T
C144	LW2-C144-C	16.1	26.2	16.4	12.6		6.3		9.74			87.3 T
C144	LW2-C144-D	24.5	15.7	6.92	4.37		1.9		3.55			56.9 T
C144	LW2-C144-E	20.2	4.14	1.75	1		0.27		3.34			30.7 T
C147	LW2-C147-B	23.1	13.5	10.6	8.29		8.14		9.5			73.1 T
C147	LW2-C147-C	13.4	18.1	12.8	11.1		5.7		11.5			72.6 T
C147	LW2-C147-D	9.41 J	18 J	12.7 J	10.4 J		6.48 J		11.7 J			68.7 T
C147	LW2-C147-E	11.3	18.1	14.4	12.5		9.01		8.38			73.7 T
C148	LW2-C148-B	21.7	15.8	12.6	8.28		7.33		4.72			70.4 T
C148	LW2-C148-C	21.2	20.1	15.4	12.5		13.3		5.02			87.5 T
C148	LW2-C148-D	13.4 J	27.3 J	18 J	10.8 J		8.61 J		9.3 J			87.4 T
C148	LW2-C148-E	11.9 J	16.2 J	16 J	9.05 J		5.1 J		10.6 J			68.9 T
C152	LW2-C152-B	27.9	18.9	13.9	12.2		11.2		4.91			89 T
C152	LW2-C152-C	40.2	13.1	12.9	9.75		2.99		6.02			85 T
C152	LW2-C152-E	31 J	21.3 J	15.5 J	6.79 J		3.26 J		5.24 J			83.1 T
C155	LW2-C155-B	12.8	11.2	9.83	5.78		5.01		7.23			51.9 T
C155	LW2-C155-C	12.3 T	10.4 T	7.89 T	5.42 T		3.6 T		7.56 T			47.2 T
C155	LW2-C155-D	16.3 J	22.9 J	20 J	9.58 J		5.09 J		12.3 J			86.2 T
C156	LW2-C156-B	16.3 T	24.5 T	15 T	9.69 T		7.82 T		9.08 T			82.4 T
C156	LW2-C156-C	12.6	22.3	16.6	10.3		8.06		12.5			82.4 T
C156	LW2-C156-F	17.5 J	5.06 J	2.23 J	1.14 J		0.57 J		1.32 J			27.8 T
C157	LW2-C157-B	15.6	16.7	10.9	7.86		4		8.78			63.8 T
C157	LW2-C157-C	15.8	15	11.7	7.75		4.91		7.32			62.5 T
C158	LW2-C158-B	17.6	24.9	15.5	10.1		6.89		8.47			83.5 T
C158	LW2-C158-C	17.2 T	22 T	14.8 T	11.3 T		7.58 JT		10.1 T			83 JT
C158	LW2-C158-D	20.6	18.8	11.7	8.17		4.98		7.55			71.8 T
C158	LW2-C158-E	21.2 J	26.1 J	15.8 J	8.82 J		3.27 J		6.38 J			81.6 T
C160	LW2-C160-B	15.2	15.3	11.8	7.16		4.28		7.76			61.5 T
C160	LW2-C160-C	13.9	13	9.93	6.44		4.51		8.24			56 T
C161	LW2-C161-B	14.6	15	8.83	6.99		3.95		6.79			56.2 T
C161	LW2-C161-C	11.1	15.1	9.08	6.83		3.91		7.51			53.5 T
C162	LW2-C162-B	19.8	15	20.8	9.23		6.7		11.3			82.8 T
C162	LW2-C162-C	20.9	11.8	12.6	9.96		5.56		11.8			72.6 T
C162	LW2-C162-D	21 J	26.1 J	17.2 J	10.5 J		4.59 J		7.92 J			87.3 T
C163-1	LW2-C163-B1	0.18	0.2	0.13	0		0.11		0.03			0.65 T
C163-2	LW2-C163-B2	0.23 T	0.28 T	0.12 T	0.15 T		0.005 T		0.075 T			0.86 T
C163-1	LW2-C163-C1	9.38	14.8	9.01	6.59		2.85		4.01			46.6 T
C163-2	LW2-C163-C2	9.25 T	11.4 T	7.54 T	4.85 T		2.07 T		2.68 T			37.8 T
C163-2	LW2-C163-D2	22.6 J	20.3 J	15 J	8.25 J		4.76 J		9.14 J			80.1 T
C164	LW2-C164-B	1.05	1.14	0.82	0.7		0.56		0.61			4.88 T
C164	LW2-C164-C	0.46	0.4	0.22	0.16		0.2		0.14			1.58 T
C164	LW2-C164-E	15.3	20.5	16.3	12.5		7.3		11.9			83.8 T
C166	LW2-C166-B	8.56	6.48	4.19	2.9		1.21		3.02			26.4 T
C166	LW2-C166-C	12.1	16.7	11.4	11.1		5.72		7.77			64.8 T
C166	LW2-C166-D	10.8	18.6	14	10		6.66		11.4			71.5 T
C167	LW2-C167-B	14.2	26	16.3	10.5		4.76		9.95			81.7 T
C167	LW2-C167-C	15.5	22.7	18	9.9		5.12		11.4			82.6 T
C167	LW2-C167-D	20.4	11.7	8.87	4.71		2.75		4.84			53.3 T
C169	LW2-C169-B	18.1	20.8	16.6	9.35		6.25		11			82.1 T
C169	LW2-C169-C	16.4	19.6	16.4	9.65		9.51		8.81			80.4 T
C169	LW2-C169-D	18.9 J	22 J	18.9 J	9.5 J		4.82 J		8.07 J			82.2 T
C170	LW2-C170-B	7.16	11.1	9.81	4.39		2.87		6.61			41.9 T
C170	LW2-C170-C	2.96	5.51	5.08	2.52		2.18		3.32			21.6 T
C171	LW2-C171-B	16.3	21.3	15.4	10.7		8.03		10.1			81.8 T
C171	LW2-C171-C	15.9	19.1	20.4	8.15		6.6		12.9			83.1 T
C171	LW2-C171-D	27.7 J	12.6 J	6.67 J	2.81 J		1.69 J		2.39 J			53.9 T
C172	LW2-C172-B	24.4	19.9	12.8	5.97		3.64		7.08			73.8 T
C172	LW2-C172-C	8.76	14.2	9.46	4.81		3.42		6.82			47.5 T
C172	LW2-C172-E	8.4 J	30.6 J	21.7 J	15.4 J		6.34 J		11 J			93.4 T
C173	LW2-C173-B	19.5	23.5	15	7.06		4.7		9.18			78.9 T
C173	LW2-C173-C	12.4	22.1	17.5	9.24		6.35		12.6			80.2 T
C173	LW2-C173-D	8.62 J	4.47 J	2.46 J	1.13 J		0.7 J		1.32 J			18.7 T
C173	LW2-C173-E	41.7 J	17.1 J	7.51 J	3.51 J		1.68 J		3.91 J			75.4 T
C176	LW2-C176-B	23.5	17.6	14.6	7.28		5.92		11.9			80.8 T
C176	LW2-C176-C	6.82	9.48	9.89	6.72		3.09		7.54			43.5 T
C176	LW2-C176-G	5.04	1.59	0.74	0.48		0.32		0.74			8.91 T
C179	LW2-C179-B	16.1	15.6	12.5	9.8		6.17		12.3			72.5 T
C179	LW2-C179-C	8.1	9.83	8.13	6.61		4.03		8.34			45 T
C179	LW2-C179-D	9.75	10	9.1	6.7		5.65		8.9			50.1 T
C182	LW2-C182-B	6.13	11.4	10.3	5.6		3.95		8.29			45.7 T
C182	LW2-C182-C	14.2	20.8	16.5	9.18		7.51		10.2			78.4 T
C182	LW2-C182-D	11.1 J	20.9 J	20.4 J	15.4 J		6.27 J		17.2 J			91.3 T
C184	LW2-C184-B	18.8	18.5	10.8	8.16		6.29		9.09			71.6 T
C184	LW2-C184-C	14.4	14.5	9.97	7.14		4.39		10.8			61.2 T
C184	LW2-C184-D	14.2	13.3	9.13	6.69		3.8		10.6			57.7 T
C184	LW2-C184-E	16.7 J	17.2 J	9.51 J	8.41 J		4.77 J		10.6 J			67.2 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C185	LW2-C185-B	10.5	15.4	11.8	6.24		4.68		8.51			57.1 T
C185	LW2-C185-C	10.2	9.72	8.62	4.5		3.5		6.35			42.9 T
C185	LW2-C185-D	6.67 J	2.9 J	2.07 J	1.69 J		0.81 J		1.77 J			15.9 T
C187	LW2-C187-B	7.97	6.58	4.25	4.01		2.37		4.51			29.7 T
C187	LW2-C187-C	7.44	9.2	7.82	6.07		3.38		7.16			41.1 T
C187	LW2-C187-D	14.2	4.49	1.53	1.16		0.56		1.01			23 T
C192	LW2-C192-B	16	17.5	10.5	6.42		3.05		9.82			63.3 T
C192	LW2-C192-C	9.85	8.37	6.57	4.34		3.32		7.37			39.8 T
C192	LW2-C192-D	2.96	1.88	1.26	0.92		0.56		1.21			8.79 T
C196	LW2-C196-B	0.58	1.01	0.77	0.65		0.35		0.51			3.87 T
C196	LW2-C196-C	0.27	0.23	0.18	0.18		0.03		0.12			1.01 T
C197	LW2-C197-B	18.5	18.1	9.31	6.98		6.11		6.27			65.3 T
C197	LW2-C197-C	7.66	10.7	6.96	6.77		4.57		7.61			44.3 T
C197	LW2-C197-D	0	0	0.16	0.13		0.01		0.09			0.39 T
C199	LW2-C199-B	22.8	15.4	6.51	3.19		2.22		4.6			54.7 T
C199	LW2-C199-C	20	16.3	7.86	5.01		3.12		8.61			60.9 T
C202	LW2-C202-B	12.8	17.6	13.4	8.43		7.57		13.7			73.5 T
C202	LW2-C202-C	12.1	14.3	11	10		6.26		14.6			68.3 T
C202	LW2-C202-D	51 J	0.33 J	0.21 J	15 J		0.15 J		0.29 J			67 T
C203	LW2-C203-B	20.4	21.5	10.1	4.84		3.12		7.38			67.3 T
C203	LW2-C203-C	12.1	11.2	7.13	4.91		3.16		6.7			45.2 T
C203	LW2-C203-E	12.1	12	7.06	4.73		2.8		7.76			46.5 T
C206	LW2-C206-B	11	13.4	8.8	7.3		4.57		9.96			55 T
C206	LW2-C206-C	0.1	0.37	0.17	0.15		0.17		0.1			1.06 T
C207-1	LW2-C207-B	14.1	17.9	13	7.07		7.36		7.64			67.1 T
C207-2	LW2-C207-B2	10.2 T	14.5 T	10.3 T	5.63 T		4.1 T		9.38 T			54.1 T
C207-1	LW2-C207-C	15.2	10.7	7.33	3.02		2.76		6.13			45.1 T
C207-2	LW2-C207-C2	11.1 T	8.71 T	5.24 T	2.72 T		2.36 T		4.74 T			34.9 T
C207-1	LW2-C207-D	13.9	13.5	8.35	4.23		3.81		7.43			51.2 T
C210	LW2-C210-B	16.3	13.7	11	7.41		4.2		10.7			63.3 T
C210	LW2-C210-C	21.8	8.61	3.37	3.72		1.5		3.43			42.4 T
C213	LW2-C213-B	2.09	0.63	0.28	0.17		0.08		0.34			3.59 T
C213	LW2-C213-C	7.27	8.17	5.24	3.47		1.97		5.52			31.6 T
C213	LW2-C213-D	18.1	6.76	2.73	1.63		0.89		1.95			32.1 T
C215	LW2-C215-B	0.51	0.26	0.22	0.27		0.02		0.13			1.41 T
C215	LW2-C215-C	0.11	0.11	0.15	0.01		0.08		0.05			0.51 T
C220	LW2-C220-B	0.42	0.42	0.21	0.35		0.21		0.53			2.14 T
C220	LW2-C220-C	0.572	0.46	0.3	0.28		0.17		0.55			2.33 T
C221	LW2-C221-B	0.75	1.05	0.93	0.45		0.31		0.19			3.68 T
C221	LW2-C221-C	0.25	0.14	0.22	0.13		0.15		0.26			1.15 T
C221	LW2-C221-D	26.3	12.3	8.25	3.78		2.31		3.8			56.7 T
C227	LW2-C227-B	19.3 T	18.6 T	11 T	7.79 T		5.34 T		9.15 T			71.2 T
C227	LW2-C227-C	15.3	23.3	14.5	8.1		5.53		10.4			77.1 T
C228	LW2-C228-B	3.72	6.72	4.97	3.46		2.33		3.63			24.8 T
C231	LW2-C231-B	14.7	17.5	13	8.19		5.39		11.8			70.6 T
C231	LW2-C231-C	15.9	12.4	9.09	4.32		4.07		7.37			53.2 T
C232	LW2-C232-B	0.543 T	0.55 T	0.497 T	0.527 T		0.103 T		0.577 T			2.8 T
C232	LW2-C232-C	0.23	0.26	0.12	0.31		0.09		0.23			1.24 T
C240	LW2-C240-B	20.3 T	18.9 T	11.9 T	6.67 T		5.21 T		7.84 T			70.8 T
C240	LW2-C240-D	13.3	16.4	12.6	8.72		8.01		8.39			67.4 T
C240	LW2-C240-E	20.1	13.1	10.2	6.82		6.78		6.42			63.4 T
C244	LW2-C244-B	25	16.1	9.34	3.77		3.94		7.73			65.9 T
C244	LW2-C244-C	18.6	11.4	6.74	5.16		3.64		8.38			53.9 T
C245	LW2-C245-B	11.9	13.2	7.1	5.06		3.88		6.66			47.8 T
C245	LW2-C245-C	9.83	6	3.82	2.57		2		3.17			27.4 T
C245	LW2-C245-D	15.9	17.6	9.68	8.91		4.66		10.1			66.9 T
C245	LW2-C245-E	7.82	10.7	6.79	3.56		3.1		5.21			37.2 T
C245	LW2-C245-F	0.82 J	2.58 J	1.46 J	1.03 J		0.75 J		1.57 J			8.21 T
C247	LW2-C247-B	20.5	29.6	16.8	6.98		3.05		10			86.9 T
C247	LW2-C247-C	18.9	28.9	18.8	10.4		5.38		8.78			91.2 T
C247	LW2-C247-D	23	23.8	18.5	9.54		5.14		7.99			88 T
C252	LW2-C252-B	0.65	0.37	0.33	0.31		0.16		0.22			2.04 T
C252	LW2-C252-C	2.44 T	2.3 T	2.08 T	1.34 T		1.23 T		1.31 T			10.7 T
C252	LW2-C252-D	14.4 J	16.4 J	12.1 J	8.8 J		5.82 J		7.89 J			65.4 T
C254	LW2-C254-B	10.8	7.06	5.37	3.64		2.99		4.76			34.6 T
C254	LW2-C254-C	1.71	1.51	0.83	0.99		0.72		1.69			7.45 T
C255	LW2-C255-B	0.177 T	0.01 T	0 T	0.0467 T		0 T		0.0567 T			0.29 T
C255	LW2-C255-C	0.17	0.01	0	0.11		0		0.14			0.43 T
C257	LW2-C257-B	7.33	4.44	3.27	2.53		1.72		3.91			23.2 T
C258	LW2-C258-B	0.27 T	0.27 T	0.173 T	0.257 T		0.11 T		0.12 T			1.2 T
C258	LW2-C258-C	0.89	1.36	1.21	0.66		1.05		0.87			6.04 T
C258	LW2-C258-D	0.31 J	0.26 J	0.14 J	0.17 J		0.08 J		0.31 J			1.27 T
C260	LW2-C260-B	1.87	1.66	1.38	1.13		0.82		1.4			8.26 T
C260	LW2-C260-C	0.46	0.31	0.22	0.31		0.23		0.02			1.55 T
C260	LW2-C260-D	19.6 J	11.9 J	9.18 J	4.59 J		2.56 J		3.52 J			51.4 T
C263	LW2-C263-B	13.8 T	25 T	15.3 T	8.59 T		4.12 T		5.18 T			72 T
C263	LW2-C263-C	11.2 J	16.9 J	16.8 J	10.6 J		7.8 J		15.3 J			78.6 T
C263	LW2-C263-D	13.4 T	15.8 T	13.9 T	11.5 T		6 T		14.8 T			75.4 T
C264	LW2-C264-B	11.3	18.5	13.6	10.8		9.28		7.81			71.3 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C264	LW2-C264-C	7.45	9.67	5.34	4.58		2.63		6.34			36 T
C264	LW2-C264-D	1.51 J	1.53 J	1.01 J	0.76 J		0.44 J		0.76 J			6.01 T
C266	LW2-C266-B	5.16	2.75	2.31	0.84		0.56		1.02			12.6 T
C266	LW2-C266-C	0.3	0.34	0.38	0.35		0.33		0.59			2.29 T
C267	LW2-C267-B	17.4 JT	12.4 T	9.51 T	6.72 T		4.25 T		9.74 T			60 JT
C267	LW2-C267-C	2.31	0.88	0.66	0.47		0.49		1.17			5.98 T
C268	LW2-C268-B	1.96	0.06	0.34	0.81		0.49		1.16			4.82 T
C268	LW2-C268-C	1.31	0.39	0.32	0.34		0.36		0.7			3.42 T
C269	LW2-C269-B	11.7	23.7	14.4	13.2		6.8		14.1			83.9 T
C269	LW2-C269-C	16.7	17.8	13.7	12		7.54		11.8			79.5 T
C269	LW2-C269-D	10 J	23.5 J	15.1 J	12.7 J		9.89 J		13.3 J			84.5 T
C269	LW2-C269-F	14.2	16.4	12.9	9.24		4.94		8.08			65.8 T
C270	LW2-C270-B	9.51	11.4	11.3	9.3		4.26		6.81			52.6 T
C270	LW2-C270-C	12.9	16.3	15.1	10.1		7.31		11.2			72.9 T
C270	LW2-C270-D	5.74 JT	5.52 JT	4.53 JT	2.84 JT		1.89 JT		3.56 JT			24.1 T
C272	LW2-C272-B	0.11	0.07	0.19	0.1		0		0			0.47 T
C272	LW2-C272-C	0.06	0.05	0.08	0		0.1		0.02			0.31 T
C273	LW2-C273-B	12.9	18.7	14.8	10.7		5.18		7.23			69.5 T
C273	LW2-C273-C	12.1	14.8	11.3	7.75		5.17		9.24			60.4 T
C273	LW2-C273-D	19 J	19.1 J	13 J	6.6 J		5.47 J		10.5 J			73.7 T
C276	LW2-C276-B	14.7	17.4	15.8	9.79		8.73		11.1			77.5 T
C276	LW2-C276-C	3.26	4.12	7.22	4.44		2.63		5.11			26.8 T
C276	LW2-C276-D	6.75 J	5.99 J	5.09 J	2.56 J		1.88 J		4.25 J			26.5 T
C277	LW2-C277-B	19.7	18.5	18.2	10.8		5.51		12.6			85.3 T
C277	LW2-C277-C	12.2	16.4	17.3	14.8		8.96		15.4			85.1 T
C277	LW2-C277-D	11.4	22.6	17.7	13.1		7.51		13.4			85.7 T
C278	LW2-C278-B	8.96	19.6	13.3	9.39		6.34		10.1			67.7 T
C278	LW2-C278-C	7.2	11.5	10.3	7.77		5.47		7.13			49.4 T
C278	LW2-C278-D	0.88	1.06	0.81	0.57		0.53		0.63			4.48 T
C280	LW2-C280-B	19.4	20.5	15.2	8.78		5.53		11.8			81.2 T
C280	LW2-C280-C	15.4	17.1	13.6	7.31		4.1		8.62			66.1 T
C280	LW2-C280-D	8.89	2.22	1.18	0.98		0.86		1.64			15.8 T
C282	LW2-C282-B	2.63 T	2.25 T	2.01 T	1.52 T		0.967 T		1.88 T			11.3 T
C282	LW2-C282-C	1.67	1.66	1.34	0.86		0.68		0.95			7.16 T
C282	LW2-C282-D	3	2.33	1.73	1.11		0.838		1.45			10.5 T
C283	LW2-C283-B	11.5	17.5	15	12.7		7.12		12.6			76.4 T
C283	LW2-C283-C	12.8	15.3	12.5	8.42		4.71		11.6			65.3 T
C283	LW2-C283-E	6.05	2.62	1.87	1.36		0.83		2.07			14.8 T
C284	LW2-C284-B	15.3	22.9	20.8	10.4		9.64		7.05			86.1 T
C284	LW2-C284-C	4.02	6.32	9.27	5.69		3.09		6.04			34.4 T
C284	LW2-C284-D	1.36 T	0.877 T	0.587 T	0.263 T		0.213 T		0.267 T			3.57 T
C284	LW2-C284-E	22 J	14.4 J	8.52 J	6.22 J		3.92 J		7.51 J			62.6 T
C288	LW2-C288-B	12.6	17.5	16.5	10.3		7.71		14.2			78.8 T
C288	LW2-C288-C	12.7	20.7	15.2	11.1		6.78		15.2			81.7 T
C288	LW2-C288-D	13.6 T	15.8 T	14.4 T	8.99 T		5.99 T		12.3 T			71.1 T
C289	LW2-C289-B	12.3	14.6	14.1	9.86		6.75		10.9			68.5 T
C289	LW2-C289-C	10.8	7.54	10.1	6.61		4.16		9.41			48.6 T
C289	LW2-C289-E	0.05	0.12	0.11	0		0.03		0			0.31 T
C290	LW2-C290-B	0.74	0.9	0.88	0.56		0.62		0.61			4.31 T
C290	LW2-C290-C	0.58	0.43	0.47	0.16		0.24		0.27			2.15 T
C290	LW2-C290-D	1.11 J	0.82 J	0.49 J	0.31 J		0.36 J		0.67 J			3.76 T
C291	LW2-C291-B	16.9	25	17.4	9.58		7.05		13.1			89 T
C291	LW2-C291-C	10.6	19.8	20.1	11.9		7.56		14.9			84.9 T
C293-1	LW2-C293-B	8.36	17.2	15.1	13.2		7.63		17.2			78.7 T
C293-2	LW2-C293-B2	15.7	13.3	15.8	10.8		7.54		15.9			79 T
C293-1	LW2-C293-C	12.6	16.3	14.7	13.3		8.22		15.9			81 T
C293-2	LW2-C293-C2	15.3	13.1	11.4	6.31		5.31		9.84			61.3 T
C293-1	LW2-C293-D	24.9	3.53	6.04	6.26		4.19		7.65			52.6 T
C293-2	LW2-C293-D2	0.6 J	0.76 J	0.67 J	0.39 J		0.34 J		0.56 J			3.32 T
C294	LW2-C294-B	13	15.2	14.1	10.1		5.98		10.2			68.6 T
C294	LW2-C294-C	10.3	15.5	13	9.34		5.7		11.7			65.5 T
C294	LW2-C294-D	9.43	9.58	5.98	4.55		3.56		6.38			39.5 T
C295	LW2-C295-B	9.21	25.1	21	15.3		6.58		13.7			90.9 T
C295	LW2-C295-C	9.19 JT	18.7 T	18.2 T	14.1 T		8.34 T		16.8 T			85.3 JT
C296	LW2-C296-B	8.41	17	25.2	16.8		7.76		15.5			90.7 T
C296	LW2-C296-C	8.34	14.4	13.7	9.19		4		7.45			57.1 T
C299	LW2-C299-B	9.64	18.8	17.7	12.6		7.62		9.16			75.5 T
C299	LW2-C299-C	1.93	1.4	1.37	0.96		0.59		0.86			7.11 T
C300-2	LW2-C300-B	16.5	27.4	16.4	9.82		7.16		9.85			87.1 T
C300-2	LW2-C300-C	6.23	24.6	17.1	10.7		5.53		10.8			75 T
C300-2	LW2-C300-D	1.28	1.48	1	1.22		0.68		1.6			7.26 T
C301	LW2-C301-B	15.1	14.4	11.3	9.36		4.28		9.88			64.3 T
C301	LW2-C301-C	3.27	5.15	4.86	3.65		1.32		2.6			20.9 T
C301	LW2-C301-D	0.45	0.26	0.3	0.2		0.06		0.23			1.5 T
C301	LW2-C301-E	0.2	0.45	0.2	0.24		0.01		0.09			1.19 T
C301	LW2-C301-G	10	17.1	11.2	11		4.33		11.3			64.9 T
C302	LW2-C302-B	15	15.7	11.8	8.54		6.6		7.01			64.7 T
C302	LW2-C302-C	2.5	3.49	2.8	2.54		1.5		2.14			15 T
C302	LW2-C302-D	10.1 J	12.7 J	11.7 J	9.06 J		5.22 J		9.13 J			57.9 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	**Sample ID**											
C303	LW2-C303-B	11.2 T	15.3 T	13.2 T	9.49 T		4.63 T		9.89 T			63.7 T
C303	LW2-C303-C	2.43	1.48	1.12	0.98		0.75		1			7.76 T
C305-1	LW2-C305-B1	10.7	10.7	11.1	7.28		4.44		8.3			52.5 T
C305-2	LW2-C305-B2	13	8.65	9.19	6.55		3.02		7.05			47.5 T
C305-1	LW2-C305-C1	2.42	1.64	1.36	1.21		0.82		1.21			8.66 T
C305-2	LW2-C305-C2	12.7	11.9	9.62	7.66		4.85		8.75			55.5 T
C305-1	LW2-C305-D1	2.26	1.54	1.4	0.86		0.91		1.12			8.09 T
C305-2	LW2-C305-D2	1.07	0.85	0.64	0.45		0.38		0.46			3.85 T
C311	LW2-C311-B	12.9	15.7	17.1	11.2		6.09		13.7			76.7 T
C311	LW2-C311-C	12.1	19.3	15.5	12.4		9.49		14.1			82.9 T
C311	LW2-C311-E	9.6	9.38	8.6	6.1		3.13		6.8			43.6 T
C312	LW2-C312-B	2.41	1.61	1.78	1.55		0.99		1.5			9.84 T
C312	LW2-C312-C	0.2	0.11	0.13	0.1		0.11		0.21			0.86 T
C313	LW2-C313-B	0.97	0.98	1.14	0.72		0.45		0.68			4.94 T
C313	LW2-C313-C	0.97	1.03	0.96	0.78		0.5		0.92			5.16 T
C314	LW2-C314-B	12.4	21.3	14.2	9.07		5.6		14.2			76.8 T
C314	LW2-C314-C	12.4 T	19.2 T	12.4 T	10.5 T		5.85 T		12.9 T			73.3 T
C314	LW2-C314-D	5.36 J	6.76 J	6.72 J	4.27 J		2.53 J		4.85 J			30.5 T
C316	LW2-C316-B	23.4	16.1	9.62	4.85		2.54		5.02			61.5 T
C316	LW2-C316-C	22.2	16.8	14	8.05		5.13		10.2			76.4 T
C316	LW2-C316-D	15.4	13.7	15.9	11		6.82		12.6			75.4 T
C321	LW2-C321-B1	9.29	8.89	7.51	3.88		2.02		6.71			38.3 T
C321-2	LW2-C321-B2	10.6	12.3	11.9	5.89		4.23		8.61			53.5 T
C321	LW2-C321-C1	27.8	27.6	17.6	8.13		3.08		5.58			89.8 T
C321-2	LW2-C321-C2	22	25.2	12.1	6.55		3.29		4.3			73.4 T
C321-2	LW2-C321-E2	26.4	8.08	2.75	1.64		0.42		1.29			40.6 T
C323	LW2-C323-B	7.52	5.84	3.1	2.22		1.33		2.9			22.9 T
C323	LW2-C323-C	5.88	7.9	5.81	4.19		2.59		4.64			31 T
C323	LW2-C323-D	1.75	2.66	2.04	1.67		0.94		1.31			10.4 T
C324	LW2-C324-B	7.98	12.1	6.31	5.47		5.14		5.3			42.3 T
C324	LW2-C324-D	7.5	8.19	4.27	3.14		2.65		4.81			30.6 T
C324	LW2-C324-E	8	13.8	11.9	8.34		4.66		11.9			58.6 T
C326	LW2-C326-B	14.4	17.5	10.6	6.51		4.59		9.55			63.2 T
C326	LW2-C326-C	2.46	1.16	0.57	0.43		0.17		0.41			5.2 T
C326	LW2-C326-D	40.6 J	16.4 J	9.27 J	3.19 J		1.37 J		2.12 J			73 T
C327	LW2-C327-B	2.99	3.24	2.49	1.4		1.28		2.27			13.7 T
C327	LW2-C327-C	6.52	8.49	4.81	3.21		2.37		5.33			30.7 T
C327	LW2-C327-D	6.59 J	3.79 J	3.29 J	1.88 J		1.33 J		2.56 J			19.4 T
C329	LW2-C329-B	15.6	5.69	2.72	1.53		0.95		1.58			28.1 T
C329	LW2-C329-C	20.3	10.4	4.08	2.61		1.88		2.37			41.6 T
C329	LW2-C329-D	23.3	8.31	4.32	2.31		1.15		1.8			41.2 T
C331	LW2-C331-B	2.79	2.44	2.08	1.84		0.8		1.38			11.3 T
C331	LW2-C331-C	30.4	20.3	11.6	7.89		3.1		6.22			79.5 T
C331	LW2-C331-D	2.94	2.58	1.78	1.57		0.84		1.69			11.4 T
C331	LW2-C331-E	22.7	28.2	15.6	6.82		2.3		4.24			79.9 T
C331	LW2-C331-G	6.76 J	1.16 J	0.42 J	0.25 J		0.15 J		0.43 J			9.17 T
C332	LW2-C332-B	12.8	23.3	15.5	11.4		8.84		9.14			81 T
C332	LW2-C332-C	10.1	5.48	4.12	2.3		1.12		1.34			24.5 T
C333	LW2-C333-B	9.64 T	5.06 T	2.68 T	1.79 T		1.28 T		2.97 T			23.4 T
C333	LW2-C333-C	1.13	4.5	2.57	1.66		1.13		2.27			13.3 T
C333	LW2-C333-E	0.77	0.93	0.44	0.45		0.31		0.5			3.4 T
C334	LW2-C334-B	10.4	12	9.62	7.52		5.37		6.84			51.8 T
C334	LW2-C334-C	0.75	0.77	0.56	0.31		0.27		0.45			3.11 T
C334	LW2-C334-D	4.4 J	3.73 J	2.56 J	1.4 J		1.14 J		2.28 J			15.5 T
C335	LW2-C335-B	6.96	3.11	1.66	1.06		1.12		1.29			15.2 T
C335	LW2-C335-C	18.1	12.9	8.96	5.32		5.44		4.94			55.7 T
C335	LW2-C335-E	4.96 J	4.29 J	2.96 J	2.18 J		1.54 J		3.29 J			19.2 T
C341	LW2-C341-B	25.2	16	8.38	4.35		2.17		2.75			58.9 T
C342	LW2-C342-B	15.4	24.6	15.8	9.13		5.37		11.6			81.9 T
C342	LW2-C342-C	25.6	15.6	15.7	9.95		5		10.2			82.1 T
C342	LW2-C342-D	9.15	4.03	2.06	1.99		1.35		2.43			21 T
C342	LW2-C342-E	0.51	0.31	0.32	0.14		0.12		0.27			1.67 T
C346	LW2-C346-B	11.7	21.1	15.7	9.48		5.22		10.1			73.3 T
C346	LW2-C346-C	14.2	18.9	12.5	6.52		4.96		8.3			65.4 T
C346	LW2-C346-D	0.39 J	0.49 J	0.21 J	0.2 J		0.08 J		0.26 J			1.63 T
C347	LW2-C347-B	11.8	22	18.7	11.9		6.57		11.1			82.1 T
C347	LW2-C347-C	13.7	11.8	8.6	5.53		3.07		5.94			48.6 T
C347	LW2-C347-E	10.3 J	5.96 J	3.16 J	2.83 J		1.98 J		6.02 J			30.3 T
C347	LW2-C347-F	10.2	5.73	4.56	3.37		2.51		6.4			32.8 T
C348	LW2-C348-B	17.1	25.2	14.1	8.08		4.13		8.96			77.6 T
C348	LW2-C348-C	14.5	19.3	14	9.01		6.26		12.1			75.2 T
C348	LW2-C348-D	5.75	6.31	3.94	2.1		1.29		3.84			23.2 T
C349	LW2-C349-B	12.2	6.32	5.65	4.16		2.19		2.74			33.3 T
C349	LW2-C349-C	17	17.5	12.5	9.12		9.54		6.34			72 T
C349	LW2-C349-D	0.23 J	0.2 J	0.18 J	0.11 J		0.14 J		0.24 J			1.1 T
C351	LW2-C351-B	11.1	15	9.51	7.23		4.77		9.2			56.8 T
C351	LW2-C351-C	1.54 T	0.843 T	0.387 T	0.257 T		0.24 T		0.47 T			3.74 T
C351	LW2-C351-D	1.79	0.52	0.13	0.1		0.06		0.33			2.93 T
C351	LW2-C351-E	32	9.09	3.14	1.34		0.89		1.8			48.3 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	Sample ID											
C352	LW2-C352-B	17.4	24.3	13.8	8.23		5.55		7.74			77 T
C352	LW2-C352-C	14.2	22	15.5	9.35		6.53		9.77			77.4 T
C352	LW2-C352-D	1.92	1.22	0.74	0.6		0.54		0.76			5.78 T
C356	LW2-C356-B	29.3	24.1	14.3	8.1		3.49		7.3			86.6 T
C356	LW2-C356-C	10.4	22.3	16.9	7.4		4.18		10.3			71.5 T
C356	LW2-C356-D	10.7 J	17.4 J	12.2 J	10.5 J		6.17 J		12.9 J			69.9 T
C356	LW2-C356-E	2.37	1.92	0.88	0.63		0.27		0.91			6.98 T
C357	LW2-C357-B	12.3	12.2	9.75	5.88		3.7		6.8			50.6 T
C357	LW2-C357-C	7.62	4.23	2.79	2.09		1.54		2.36			20.6 T
C358	LW2-C358-B	21.6	32.6	13.1	7.17		2.14		4.65			81.3 T
C358	LW2-C358-C	20.6	28.3	16.5	6.95		4.07		11			87.4 T
C358	LW2-C358-D	7.87	25.8	23.2	10.6		5.33		18.9			91.7 T
C359	LW2-C359-B	15.6 T	26.1 T	15.6 T	8.94 T		3.92 T		9.96 T			80.1 T
C359	LW2-C359-C	17.5	19.7	17.1	10.3		6.01		15.6			86.2 T
C359	LW2-C359-D	6.85	21.9	15.9	10.6		6.58		16.1			77.9 T
C360	LW2-C360-B1	16.7	28.6	16	8.94		4.91		11.3			86.5 T
C360-2	LW2-C360-B2	16 T	31.1 T	16.9 T	9.64 T		4.48 T		12.5 T			90.6 T
C360	LW2-C360-C1	11.3	19.8	15.8	9.92		7.05		16.1			80 T
C360-2	LW2-C360-C2	9.98	23.5	16.7	10.9		5.62		18.1			84.8 T
C361	LW2-C361-B	21	16.4	11.4	6.64		5.89		6.11			67.4 T
C362	LW2-C362-B	9.05 JT	24.4 T	17.8 T	8.04 T		4.17 T		18.7 T			82.2 JT
C362	LW2-C362-C	10.1	23.6	19.4	7.04		4.1		20.9			85.1 T
C362	LW2-C362-D	10.1	24.8	21.7	7.24		4.41		19			87.3 T
C364	LW2-C364-B	13.3	9.37	3.71	2.1		1.44		2.76			32.7 T
C364	LW2-C364-C	14.5	13.8	5.94	4.32		2.86		4.96			46.4 T
C364	LW2-C364-D	16.6 J	6.79 J	3.17 J	3.39 J		3.62 J		15.2 J			48.8 T
C366-1	LW2-C366-B1	11.9 T	18.7 T	15.8 T	8.33 T		4.89 T		21.8 T			81.4 T
C366-2	LW2-C366-B2	10.4	16.9	16.4	6.89		4.37		20.9			75.9 T
C366-1	LW2-C366-C1	9.59 T	18.6 T	13.8 T	8.3 T		4.74 T		15.8 T			70.8 T
C366-2	LW2-C366-C2	11.3	16.6	12.5	8.12		4.23		14.6			67.4 T
C366-1	LW2-C366-D1	2.2 T	2.54 T	2.18 T	1.87 T		1.11 T		4.14 T			14 T
C366-2	LW2-C366-D2	6.31	8.81	7.28	4.85		2.96		9.11			39.3 T
C366-1	LW2-C366-E1	7.12 T	10.3 T	8.1 T	5.86 T		3.51 T		10.1 T			45 T
C366-1	LW2-C366-F1	0.97 J	0.63 J	0.35 J	0.26 J		0.35 J		1.64 J			4.2 T
C366-2	LW2-C366-F2	9.79	14.1	11.9	8.02		4.32		7.93			56.1 T
C366-1	LW2-C366-G1	16.9 T	16.1 T	12 T	9.51 T		5.53 T		10.7 T			70.7 T
C368	LW2-C368-B	16.9 T	22.4 T	14.9 T	7.33 T		5.28 T		15.1 T			81.9 T
C368	LW2-C368-C	14.4	9.74	5.95	2.7		2.43		8.57			43.8 T
C368	LW2-C368-D	1.53	1.11	0.83	0.56		0.37		1.86			6.26 T
C368	LW2-C368-E	14.3	5.75	2.57	1.46		1.24		4			29.3 T
C371	LW2-C371-B	12.6	12	8.16	4.34		2.48		7.45			47 T
C371	LW2-C371-C	0.47	0.43	0.4	0.31		0.21		1.54			3.36 T
C371	LW2-C371-E	3.86	2.39	1.38	1.16		0.66		2.73			12.2 T
C372	LW2-C372-B	14.3	11.3	13.4	5.43		3.9		7.36			55.7 T
C372	LW2-C372-C	7.04	3.19	3.07	2.14		1.4		2.73			19.6 T
C372	LW2-C372-E	10.1 J	26.6 J	19.3 J	12.6 J		7.83 J		17.8 J			94.2 T
C373	LW2-C373-B	20.9	18.6	11.4	7.22		2.83		4.19			65.1 T
C373	LW2-C373-C	25.5	21.9	13.6	10.3		5.63		9.94			86.9 T
C373	LW2-C373-D	19.7 J	22.9 J	14.4 J	10.7 J		6.05 J		11 J			84.8 T
C377	LW2-C377-B	20.1	16.3	13.8	7.24		4.47		13.6			75.5 T
C377	LW2-C377-C	10.7	16.2	16.1	8.05		4.39		14.3			69.7 T
C377	LW2-C377-D	16.7 J	21.3 J	11.3 J	8.61 J		4.58 J		10.8 J			73.3 T
C377	LW2-C377-E	16	19.1	12.7	6.48		3.12		6.83			64.2 T
C379	LW2-C379-B	11.2	16.4	15.6	17.1		13.4		14.9			88.6 T
C379	LW2-C379-C	17.3 T	15.9 T	13.9 T	12.8 T		10.4 T		13.8 T			84.1 T
C379	LW2-C379-D	16.9	9.75	5.6	3.35		2.49		5.5			43.6 T
C380	LW2-C380-B	5.82	24.3	25.7	17.1		8.72		19.3			101 T
C380	LW2-C380-C	5.41	22.6	23.9	15.9		8.11		17.9			93.8 T
C380	LW2-C380-E	15.9 J	24.9 J	18.1 J	13.4 J		9.53 J		15.6 J			97.4 T
C381	LW2-C381-B	11.5	22.1	23.8	12.6		6.7		13			89.7 T
C381	LW2-C381-C	12.9	17.2	26.2	14.9		6.78		11.1			89.1 T
C381	LW2-C381-E	20	15.3	10.7	5.85		2.78		8.77			63.4 T
C382	LW2-C382-B	18.9	16.6	12.3	7.19		4.15		9.13			68.3 T
C382	LW2-C382-C	30.2	20.9	9.95	7.65		3.44		9.66			81.8 T
C382	LW2-C382-D	17.5 J	19.3 J	10.5 J	8.16 J		3.99 J		10.5 J			70 T
C383	LW2-C383-B	0.93	0.83	0.53	0.44		0.34		0.81			3.88 T
C383	LW2-C383-C	16.7	21.9	23.4	13.6		7.53		15.1			98.2 T
C383	LW2-C383-D	34.1 J	19.1 J	7.51 J	5.44 J		3.51 J		8.13 J			77.8 T
C384	LW2-C384-B	6.46	11	13.1	7.67		7.04		11.1			56.4 T
C384	LW2-C384-C	7.15	4.05	2.47	1.43		1.04		2.7			18.8 T
C384	LW2-C384-E	2.76 J	2.54 J	1.3 J	0.89 J		0.76 J		1.21 J			9.46 T
C384	LW2-C384-F	11.4 J	8.12 J	5.64 J	2.8 J		2.07 J		5.33 J			35.4 T
C386	LW2-C386-B	12	11.2	10.9	7.15		6.94		5.7			53.9 T
C386	LW2-C386-C	0.11	0.11	0.18	0.19		0.06		0.01			0.66 T
C388	LW2-C388-B	20.8 T	21.7 T	17.7 T	9.65 T		6.11 T		13.5 T			89.5 T
C388	LW2-C388-C	21.6	16.7	21.2	10.7		7.63		18.1			95.9 T
C392	LW2-C392-B	15.12	22.2	20.3	13.1		8.05		16.5			95.3 T
C392	LW2-C392-C	6.48	5.13	2.34	0.99		0.7		1.52			17.2 T
C393	LW2-C393-B	13.5	10.3	5.38	4.19		2.47		5.93			41.8 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	Sample ID											
C393	LW2-C393-C	9.18	7.93	4.89	2.58		1.37		3.55			29.5 T
C396	LW2-C396-B	23.4	25.2	14.6	8.17		3.88		10.9			86.2 T
C396	LW2-C396-C	13.7	24.1	20.1	12.8		6.84		14.2			91.7 T
C397	LW2-C397-B	17.2	19.7	19.7	12		6.88		10.8			86.3 T
C400	LW2-C400-B	17.6	13.8	10.4	6.65		4.23		5.54			58.2 T
C400	LW2-C400-C	17.5	17.4	10	7.17		6.14		10.2			68.4 T
C400	LW2-C400-D	17	14.6	10.1	6.43		6.06		7.03			61.2 T
C401	LW2-C401-B	16.5	11.3	7.43	3.84		2.56		4.48			46.1 T
C401	LW2-C401-C	6.57	4.76	3.64	2.2		1.98		3.1			22.3 T
C401	LW2-C401-D	4.99	4.68	3.9	2.45		1.96		3.12			21.1 T
C401	LW2-C401-E	9.48	12.4	11.2	6.01		4.79		7.42			51.3 T
C401	LW2-C401-F	21.5 J	19.4 J	13.1 J	7.04 J		4.33 J		11 J			76.4 T
C402	LW2-C402-B	0.94	0.31	0.4	0.31		0.42		0.41			2.79 T
C402	LW2-C402-C	7.02	3.26	2.2	1.24		1.09		2.38			17.2 T
C403	LW2-C403-B	2.65	1.73	1.37	0.86		0.75		1.28			8.64 T
C403	LW2-C403-C	0	0.21	0.23	0.01		0.17		0.15			0.77 T
C403	LW2-C403-D	18.5	23.8	15	8.33		3.41		9.54			78.6 T
C403	LW2-C403-F	14.5 J	24 J	22.6 J	9.43 J		6.68 J		13.4 J			90.6 T
C405	LW2-C405-B	0.61	0.45	0.29	0.34		0.45		0.35			2.49 T
C405	LW2-C405-C	6.3	5.48	4.49	3.19		4.05		5.23			28.7 T
C405	LW2-C405-E	18.6 J	17.9 J	14.2 J	10.6 J		6.58 J		16 J			83.9 T
C409	LW2-C409-B	12.6	15.6	9.32	4.92		2.93		5.68			51.1 T
C409	LW2-C409-C	2.82	1.94	1.39	0.99		0.87		1.3			9.31 T
C409	LW2-C409-D	0.44 JT	0.963 JT	0.66 JT	0.49 JT		0.323 JT		0.61 JT			3.49 T
C413-1	LW2-C413-B1	15.4	24.8	16.6	10.5		5.7		11			84 T
C413-2	LW2-C413-B2	19.5	14.1	7.74	5.04		2.8		4.81			54 T
C413-1	LW2-C413-C1	18	20.5	13	9.31		5.44		10.7			77 T
C413-2	LW2-C413-C2	14.6	25.4	14.1	9.69		6.31		7.94			78 T
C413-2	LW2-C413-D2	15.9	20	14.3	9.69		6.32		15.2			81.4 T
C415	LW2-C415-B	1.59	1.15	1.03	0.85		0.79		1.31			6.72 T
C415	LW2-C415-C	0.45	0.25	0.25	0.14		0.17		0.13			1.39 T
C415	LW2-C415-D	20.9	8.96	6.58	2.72		1.77		5.12			46.1 T
C415	LW2-C415-E	6.75 J	7.54 J	4.02 J	2.32 J		1.78 J		3.66 J			26.1 T
C417	LW2-C417-B	4.92	25.4	19	17.1		15.9		9.37			91.7 T
C417	LW2-C417-C	3.68 J	22.9 J	19.8 J	14.1 J		11.4 J		17.9 J			89.8 T
C417	LW2-C417-D	4.7	3.45	1.9	2.14		1.6		4.06			17.9 T
C420	LW2-C420-B	22	12.6	8.15	6.34		2.94		3.98			56 T
C420	LW2-C420-C	17.1 T	15.5 T	11 T	6.3 T		3.55 T		9.54 T			63 T
C420	LW2-C420-D	2.55	1.49	1.94	1.27		0.679		1.02			8.95 T
C421	LW2-C421-B	7.98	11.9	18.5	14.2		14.1		12.2			78.9 T
C421	LW2-C421-C	7.1	6.59	11.1	7.16		4.41		7.58			43.9 T
C421	LW2-C421-D	14.9 J	15.1 J	9.69 J	5.03 J		3.19 J		6.36 J			54.3 T
C421	LW2-C421-E	19.1 JT	17.4 JT	9.19 JT	4.39 JT		2.64 JT		7.56 JT			60.3 T
C421	LW2-C421-F	6.75 J	7.39 J	3.98 J	2.41 J		1.38 J		3.11 J			25 T
C425-1	LW2-C425-B1	3.72 T	3.26 T	2.66 T	1.59 T		1.17 T		2.17 T			14.6 T
C425-2	LW2-C425-B2	4.39	5.89	5.12	3.1		1.93		3.22			23.7 T
C425-1	LW2-C425-C1	6.35 T	2.86 T	1.13 T	1.1 T		1.03 T		2.12 T			14.6 T
C425-2	LW2-C425-C2	2.87 T	1.81 T	0.993 T	0.837 T		0.69 T		0.9 T			8.1 T
C425-2	LW2-C425-D2	6.87	6.02	5.8	4.32		2.64		5.1			30.8 T
C425-1	LW2-C425-E1	5.02 T	3.43 T	1.54 T	1.31 T		1.02 T		2.07 T			14.4 T
C425-1	LW2-C425-F1	1.77 J	28.7 J	30.5 J	15.6 J		6.03 J		13.7 J			96.3 T
C426	LW2-C426-B	10.3	20.5	19.3	12.5		6.36		13.2			82.2 T
C426	LW2-C426-C	0.29	0.3	0.34	0.16		0.06		0.27			1.42 T
C430	LW2-C430-B	26 T	21.2 T	14.8 T	7.96 T		6.28 JT		7.35 JT			83.6 JT
C430	LW2-C430-C	18.2	27.1	20	9.91		5.62		8.3			89.1 T
C430	LW2-C430-E	20.7	15.9	13.1	7.99		5.13		8.68			71.5 T
C431	LW2-C431-B	18.1	20.6	14.4	7		3.9		8.98			73 T
C431	LW2-C431-C	16.1	12	6.45	3.4		2.22		5.98			46.2 T
C431	LW2-C431-D	1.57	1.18	0.97	0.36		0.41		0.68			5.17 T
C431	LW2-C431-F	31.6 J	23.3 J	15.4 J	9.1 J		4.9 J		7.66 J			92 T
C434	LW2-C434-B	11.8	19.3	17	12.4		9.16		13.1			82.8 T
C434	LW2-C434-C	0.68	1.28	0.75	0.55		0.46		0.69			4.41 T
C434	LW2-C434-D	32.4	21.9	11.2	4.77		2.61		5.58			78.5 T
C436	LW2-C436-B	8.08	6.23	3.35	1.76		1.4		1.62			22.4 T
C436	LW2-C436-C	15	19.2	17.2	10.2		7.75		16.1			85.5 T
C436	LW2-C436-D	10.2 J	25.5 J	22.1 J	11.6 J		8.17 J		12.5 J			90.1 T
C436	LW2-C436-E	1.59 J	0.81 J	0.71 J	0.48 J		0.49 J		0.53 J			4.61 T
C437	LW2-C437-B	5.44	5.31	4.23	2.3		1.62		4.08			23 T
C437	LW2-C437-C	0.317 T	0.54 T	0.477 T	0.173 T		0.23 T		0.397 T			2.13 T
C437	LW2-C437-D	0.21	0.18	0.17	0.09		0.24		0.25			1.14 T
C439	LW2-C439-B	19.6	21	17.6	8.08		4.62		10.2			81.1 T
C439	LW2-C439-C	17.7	16	12.3	6.51		3.55		10.5			66.6 T
C439	LW2-C439-D	1.79 JT	1.69 JT	1.05 JT	0.917 JT		0.643 JT		1.23 JT			7.32 T
C440	LW2-C440-B	23.5	20.7	17.3	9.93		9.46		8.39			89.3 T
C440	LW2-C440-C	17.2	22.4	18.8	10.5		5.54		13.6			88 T
C440	LW2-C440-D	14.7 J	23.4 J	15.2 J	10.8 J		7.59 J		12 J			83.7 T
C441-1	LW2-C441-B1	14.1	19.3	23.8	9.84		6.82		11.9			85.8 T
C441-2	LW2-C441-B2	17.7 T	22.3 T	17.9 T	9.1 T		5.32 T		10.2 T			82.5 T
C441-1	LW2-C441-C1	31.1	18	12.9	5.65		2.78		4.35			74.8 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	Sample ID											
C441-2	LW2-C441-C2	29.3 T	22.1 T	14.5 T	5.62 T		2.84 T		4.78 T			79.1 T
C441-1	LW2-C441-D1	33.6 J	22.9 J	7.96 J	3.86 J		1.8 J		3.82 J			73.9 T
C444	LW2-C444-B	18.6	19.9	14.6	8.59		6.07		7.26			75 T
C444	LW2-C444-C	14.8	19.6	13.8	9		5.72		8.36			71.3 T
C444	LW2-C444-D	7.29 J	5.86 J	2.91 J	2.04 J		1.44 J		2.86 J			22.4 T
C444	LW2-C444-E	30 J	18 J	7.57 J	5 J		2.49 J		4.48 J			67.5 T
C445	LW2-C445-B	17.1	24.7	15.2	8.91		8.06		8.64			82.6 T
C445	LW2-C445-C	15.7	18.6	16.2	9.51		6.17		12.7			78.9 T
C445	LW2-C445-D	10.6 J	17.5 J	15 J	10 J		8.09 J		11 J			72.2 T
C445	LW2-C445-E	14	22.1	18.2	12.5		7.11		15.2			89.1 T
C447	LW2-C447-B	14.3	26.8	13.3	5.59		3.35		6.29			69.6 T
C447	LW2-C447-C	16.8	24.9	10.5	4.97		2.05		4.73			64 T
C447	LW2-C447-D	2.45	1.91	1.34	0.69		0.59		0.75			7.73 T
C447	LW2-C447-F	20.8 J	24 J	11.7 J	7.58 J		4.51 J		6.94 J			75.5 T
C448	LW2-C448-B	18.5	26.1	14.6	8.94		6.37		5.95			80.5 T
C448	LW2-C448-C	20.3	22.3	15.5	10.2		5.08		8.76			82.1 T
C448	LW2-C448-D	3.9 J	33.7 J	17.3 J	11.7 J		6.75 J		11.8 J			85.2 T
C449	LW2-C449-B	21.3 T	25.8 T	14.7 T	8.73 T		6.77 T		7.72 T			85 T
C449	LW2-C449-C	15.6	14.9	10.4	5.65		4.05		7.01			57.6 T
C449	LW2-C449-E	13.2	25.9	19.2	12.2		7.67		14.6			92.8 T
C450	LW2-C450-B	22.4	20.7	11.6	8.69		4.99		7.19			75.6 T
C450	LW2-C450-C	15.9	17.6	19.5	8.34		8.78		11.9			82 T
C453	LW2-C453-B	17.8	20.8	11.4	9		4.38		12.2			75.6 T
C453	LW2-C453-C	12.6	20.3	15.6	8.75		7.21		12.4			76.9 T
C453	LW2-C453-D	17.3	21.8	14.5	10.5		6.48		12.1			82.7 T
C454	LW2-C454-B	2.31	2.6	2.02	1.27		0.94		1.6			10.7 T
C454	LW2-C454-C	12.2	18.2	10.9	5.26		3.59		5.61			55.8 T
C454	LW2-C454-D	7.33	5.63	3.56	1.91		1.81		3.46			23.7 T
C454	LW2-C454-E	1.9	0.66	0.5	0.37		0.53		0.64			4.6 T
C454	LW2-C454-H	4.72 J	4.51 J	3.25 J	2.51 J		2.18 J		4.05 J			21.2 T
C455	LW2-C455-B	18.5	18.8	13.3	10.5		7.35		11.3			79.8 T
C455	LW2-C455-C	17.6	23.2	14.7	7.75		5.85		12.1			81.2 T
C455	LW2-C455-D	17.8	16.6	11.5	6.37		4.11		9.87			66.3 T
C455	LW2-C455-F	9.12 JT	10.8 JT	5.94 JT	4.58 JT		2.92 JT		5.82 JT			39.2 T
C456	LW2-C456-B	23.1 T	24.5 T	13.9 T	8.31 T		4.67 T		9.03 T			83.5 T
C456	LW2-C456-C	5.95	11.4	6.68	4.25		2.75		6.46			37.5 T
C456	LW2-C456-D	12.1	22.5	15.8	11		5.36		10.6			77.4 T
C456	LW2-C456-F	5.07	37.2	12	12.3		7.13		17.3			91 T
C456	LW2-C456-G	23 J	30.1 J	13.5 J	6.7 J		2.63 J		5.45 J			81.4 T
C457	LW2-C457-B	23	20.9	12.7	8.43		5.67		8.86			79.6 T
C457	LW2-C457-C	13.7	12.2	9	6.42		4.58		6.63			52.5 T
C457	LW2-C457-D	12.7 J	23.4 J	20 J	12.6 J		8.61 J		15.8 J			93.1 T
C457	LW2-C457-E	15.5	17.9	16.6	11.6		8.26		12.4			82.3 T
C458-1	LW2-C458-B	21.1 T	19.4 T	13.6 T	8.1 T		5.24 T		8.82 T			76.3 T
C458-2	LW2-C458-B2	22.3 T	19.4 T	12.9 T	6.89 T		5.53 T		7.14 T			74.2 T
C458-1	LW2-C458-C	26.3	19.8	14.1	9.68		5.29		5.29			80.5 T
C458-2	LW2-C458-C2	28.8 T	20.5 T	12.8 T	9.82 T		5.14 T		5.44 T			82.5 T
C458-1	LW2-C458-D	15.6 J	26.7 J	17 J	12.2 J		8.23 J		13 J			92.7 T
C458-2	LW2-C458-D2	15.5 J	25.4 J	18.7 J	11.3 J		8.58 J		13.4 J			92.9 T
C461	LW2-C461-B	19.5	22.6	13.3	8.12		5.14		8.31			77 T
C461	LW2-C461-C	25.3	22.6	14.7	9.48		4.65		7.05			83.8 T
C461	LW2-C461-D	19.2 J	23.4 J	18.4 J	11.2 J		6.39 J		12.1 J			90.7 T
C462	LW2-C462-B	26.5	20.1	14.9	7.15		7.77		7.04			83.5 T
C462	LW2-C462-C	21.1	17.8	13.6	8.98		4.75		7.6			73.8 T
C462	LW2-C462-D	17.3 J	20.9 J	17.6 J	10.4 J		7.9 J		11.9 J			86 T
C468	LW2-C468-B	19.7 T	20.6 T	12.8 T	7.66 T		5.24 T		8.31 T			74.3 T
C468	LW2-C468-C	20.1	21.3	14.8	11.2		6.29		9.95			83.6 T
C468	LW2-C468-D	15.2 J	31 J	16.9 J	10.8 J		7.65 J		12.5 J			94.1 T
C471	LW2-C471-B	31.4	16.4	11.8	7.5		4.77		5.47			77.3 T
C471	LW2-C471-C	18.5	15.1	9.33	7.81		3.89		3.37			58 T
C471	LW2-C471-D	23.2	17.2	9.73	8.11		4.81		6.61			69.7 T
C474	LW2-C474-B	25.6	18.9	9.79	6.89		4		5.99			71.2 T
C474	LW2-C474-C	23.3	18.1	17.8	5.08		5.53		4.87			74.7 T
C474	LW2-C474-D	15.8 J	26.5 J	11.8 J	10.4 J		7.49 J		14.3 J			86.3 T
C477	LW2-C477-B	20.4	20.6	12.8	7.37		4.26		10.9			76.3 T
C477	LW2-C477-C	6.45	5.4	2.76	2.69		1.48		3.91			22.7 T
C492	LW2-C492-B	31.7	26.9	9.6	5.56		3.38		5.66			82.8 T
C492	LW2-C492-C	0.19	0.12	0.29	0.03		0.08		0.23			0.94 T
C494	LW2-C494-B	31.8	13.1	5.27	2.72		1.84		4.59			59.3 T
C494	LW2-C494-C	29.4	18.6	8.1	4.48		2.74		6.16			69.5 T
C494	LW2-C494-D	12.6	10.1	5.54	4.1		3.07		4.04			39.5 T
C494	LW2-C494-E	9.56	12.3	10.1	6.93		4.64		6.82			50.4 T
C521	LW2-C521-B	10.5	14.1	10.7	8.68		7.27		6.67			57.9 T
C521	LW2-C521-C	2.57	3.94	4.56	2.8		1.64		3.26			18.8 T
C521	LW2-C521-D	0.51 J	0.66 J	0.61 J	0.5 J		0.4 J		0.61 J			3.29 T
C521	LW2-C521-E	0.4	0.14	0.17	0.16		0.09		0.09			1.05 T
C522	LW2-C522-B	15.2	14.7	11	7.53		4.38		8.63			61.4 T
C522	LW2-C522-C	10.6	4.14	1.41	0.64		0.19		0.73			17.7 T
C523	LW2-C523-B	6.06	7.03	7.1	4.01		2.64		4.88			31.7 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
C523	LW2-C523-C	3.19	3.47	2.79	2.04		1.07		1.91			14.5 T
C524	LW2-C524-B	7.17	14.6	15.8	11		5.87		9.17			63.6 T
C525	LW2-C525-B	8.06	19.2	14.3	13.4		6.88		11			72.8 T
C525	LW2-C525-C	13.2	18.1	15.1	13.8		8.85		8.6			77.7 T
C525	LW2-C525-D	10.7	8.35	6.95	7.3		4.96		4.08			42.3 T
C525	LW2-C525-E	2.03 T	2.43 T	1.53 T	1.55 T		0.85 T		1.8 T			10.2 T
C527	LW2-C527-B	15.7	28.5	15.7	9.88		5.57		10.3			85.7 T
C527	LW2-C527-C	11.2	25.5	16.5	13.2		6.28		12.3			85 T
C527	LW2-C527-E	12	19.7	13.5	10.7		4.88		6.15			66.9 T
C528	LW2-C528-B	15.6	32.3	15.2	11.7		6.78		10.4			92 T
C528	LW2-C528-C	9.38	24.9	19.2	17.5		10.7		9.98			91.7 T
C528	LW2-C528-F	2.71	2.2	1.55	1.31		0.97		1.5			10.2 T
C529	LW2-C529-B	13.7	26.7	19.5	11.2		6.04		13.7			90.8 T
C529	LW2-C529-C	11.3	24.1	22.5	13		7		14.6			92.5 T
C529	LW2-C529-E	11.7	18.3	19.6	12.6		7.96		16.8			87 T
C530	LW2-C530-B	13.5	21.7	15.8	9.85		4.18		11.6			76.6 T
C530	LW2-C530-C	28.8	13.7	12.4	9.98		5.77		8.79			79.4 T
C530	LW2-C530-E	13.2	16.6	19.9	11.7		7.31		15			83.7 T
C531	LW2-C531-B	13.6	20.4	15.4	9.45		6.28		11.9			77 T
C531	LW2-C531-C	16.3	17.1	14.2	11.4		8.2		10.3			77.5 T
C531	LW2-C531-E	10.3 T	15.9 T	10.1 T	6.39 T		4.19 T		7.07 T			54 T
C532	LW2-C532-B	24.9	27.2	11.4	6.02		3.23		6.35			79.1 T
C532	LW2-C532-C	14.8	31.2	21.5	10.3		5.47		9.07			92.3 T
C532	LW2-C532-E	13.1	19	17.6	10.2		6.34		12.7			78.9 T
C532	LW2-C532-F	20.8	8.44	2.95	1.22		0.35		0.66			34.4 T
C533	LW2-C533-B	8.13	26.3	26.4	13.4		6.42		11			91.7 T
C533	LW2-C533-C	11.4	22.3	17.6	11.7		7.21		12.6			82.8 T
C533	LW2-C533-D	8.43	6.21	3.82	2.03		1.55		3.2			25.2 T
NA-1B	NA-1B-0046	21.6	20	10.6	5.34		4.72		6.99			69.3 T
NA-1B	NA-1B-4668	20.1	26	13.2	8.44		6.18		11.4			85.3 T
NA-1B	NA-1B-6894	14.3	14.9	10.4	6.15		4.02		8.79			58.6 T
NA-2B	NA-2B-3157	22.8	24.1	14.8	8.01		5.2		11.9			86.8 T
NA-2B	NA-2B-5794	15.8	24.6	17	12.2		7.13		17.4			94.1 T
NA-3B	NA-3B-3464	28	5.63	2.14	1.79		1		2.22			40.8 T
NA-3B	NA-3B-6494	36.6	11	4.14	2.81		1.92		3.57			60 T
NA-4B	NA-4B-2450	11.5	29.2	21.4	13		6.57		14.3			96 T
NA-4B	NA-4B-5094	11.2	23.6	21.1	14.4		6.57		15.8			92.7 T
B416U1	PPTLDT24B416U1B416C1					40.4					15.4	55.8
T2U1	PPTLDT24T2U1B204C1					65.2					21.5	86.7
T2U2	PPTLDT24T2U2B203C1					77.3					13.4	90.7
DM-20	PSYD&M97DM20DM20					86.3					10.2	96.5
DM-20	PSYD&M97DM20DM20C					56.8					11.2	68
DM-24	PSYD&M97DM24DM24C1					45					8.1	53.1
DM-24	PSYD&M97DM24DM24C2					67.8					16.9	84.7
PSY01C	PSYSEA98PSY01CPSY01A					83.86					14.25	98.15
PSY01C	PSYSEA98PSY01CPSY01B					66.99					24.94	91.94
PSY07C	PSYSEA98PSY07CPSY07A					71.54					18.27	89.77
PSY07C	PSYSEA98PSY07CPSY07B					74.1					14.85	88.95
PSY11C	PSYSEA98PSY11CPSY11A					39.4					16.27	55.67
PSY11C	PSYSEA98PSY11CPSY11B					62.77					20.15	82.95
PSY11C	PSYSEA98PSY11CPSY11C					57.33					21.28	78.58
PSY11C	PSYSEA98PSY11CPSY11D					50.9					16.89	67.79
PSY16C	PSYSEA98PSY16CPSY16A					62.3					24.38	86.68
PSY16C	PSYSEA98PSY16CPSY16B					36.26					9.84	46.14
PSY16C	PSYSEA98PSY16CPSY16C					42.16					9.29	51.49
PSY18C	PSYSEA98PSY18CPSY18A					40.83					12.15	52.95
PSY18C	PSYSEA98PSY18CPSY18B					30.19					7.63	37.83
PSY18C	PSYSEA98PSY18CPSY18C					24.03					6.25	30.25
PSY20C	PSYSEA98PSY20CPSY20A					62.97					21.5	84.5
PSY20C	PSYSEA98PSY20CPSY20B					71.39					17.92	89.32
PSY20C	PSYSEA98PSY20CPSY20C					67.32					14.94	82.24
PSY20C	PSYSEA98PSY20CPSY20D					45.34					9.9	55.2
PSY23C	PSYSEA98PSY23CPSY23A					61.07					16.89	77.99
PSY23C	PSYSEA98PSY23CPSY23B					54.07					11.16	65.26
PSY23C	PSYSEA98PSY23CPSY23C					33.72					6.56	40.26
PSY23C	PSYSEA98PSY23CPSY23D					9.96					1.76	11.76
PSY24C	PSYSEA98PSY24CPSY24A					62.89					21.49	84.39
PSY24C	PSYSEA98PSY24CPSY24B					20.41					5.95	26.35
PSY27C	PSYSEA98PSY27CPSY27A					27.42					6.27	33.67
PSY27C	PSYSEA98PSY27CPSY27B					35.18					7.79	42.99
PSY27C	PSYSEA98PSY27CPSY27C					24.94					6.36	31.26
PSY27C	PSYSEA98PSY27CY27A02					41.11					9.14	50.24
PSY27C	PSYSEA98PSY27CY27A03					27.93					6.13	34.03
PSY27C	PSYSEA98PSY27CY27A04					44.64					9.71	54.31
PSY27C	PSYSEA98PSY27CY27B05					45.83					10.17	55.97
PSY27C	PSYSEA98PSY27CY27B06					44.21					8.99	53.19
PSY27C	PSYSEA98PSY27CY27B07					44.07					7.98	52.08
PSY27C	PSYSEA98PSY27CY27B08					22.53					4.21	26.71
PSY27C	PSYSEA98PSY27CY27C09					2.37					0.54	2.94

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
PSY27C	PSYSEA98PSY27CY27C10					31.04					6.03	37.03
PSY27C	PSYSEA98PSY27CY27C11					46.88					10.45	57.35
PSY30C	PSYSEA98PSY30CPSY30A					75.21					10.63	85.83
PSY30C	PSYSEA98PSY30CPSY30B					1.98					0.7	68.87
PSY30C	PSYSEA98PSY30CY30A02					71.36					9.73	81.13
PSY30C	PSYSEA98PSY30CY30A03					80.59					9.74	90.34
PSY30C	PSYSEA98PSY30CY30A04					82.07					15.14	97.24
PSY30C	PSYSEA98PSY30CY30B05					55.1					13.77	3.47
PSY30C	PSYSEA98PSY30CY30B06					2.71					0.77	2.09
PSY30C	PSYSEA98PSY30CY30B07					1.47					0.59	1.11
PSY30C	PSYSEA98PSY30CY30B08					0.83					0.31	2.7
PSY33C	PSYSEA98PSY33CPSY33A					68.87					9.95	78.85
PSY33C	PSYSEA98PSY33CPSY33B					62.45					11.51	74.01
PSY33C	PSYSEA98PSY33CPSY33C					1.37					0.39	1.79
PSY34C	PSYSEA98PSY34CPSY34A					77.77					10.38	88.18
PSY34C	PSYSEA98PSY34CPSY34B					72.34					19.95	92.25
PSY34C	PSYSEA98PSY34CPSY34C					54.72					16.36	71.06
PSY36C	PSYSEA98PSY36CPSY36A					75.79					7.17	82.97
PSY36C	PSYSEA98PSY36CPSY36B					71.78					6.21	78.01
PSY36C	PSYSEA98PSY36CPSY36C					76.62					13.12	89.72
PSY36C	PSYSEA98PSY36CPSY36D					4.32					0.93	5.23
PSY39C	PSYSEA98PSY39CPSY39A					18.74					5.01	23.71
PSY39C	PSYSEA98PSY39CPSY39B					0.5					0.04	0.54
PSY41C	PSYSEA98PSY41CPSY41A					64.46					12.27	76.77
PSY41C	PSYSEA98PSY41CPSY41B					48.11					10.6	58.7
PSY41C	PSYSEA98PSY41CPSY41C					6.54					1.73	8.23
PSY43C	PSYSEA98PSY43CPSY43A					28.04					5.23	33.23
PSY43C	PSYSEA98PSY43CPSY43B					3.13					1.09	4.19
PSY50C	PSYSEA98PSY50CPSY50A					60.94					10.21	71.11
PSY50C	PSYSEA98PSY50CPSY50B					43.12					6.52	49.62
SED10	RIEDEL97SED10ED1015											7.8
SED12	RIEDEL97SED12ED1215											84
DMMU1	TOSCO99DMMU1SDO1					17 T					68.2 T	85.1 T
DMMU1	TOSCO99DMMU1SDO3					18.1					65.9	84
DMMU2	TOSCO99DMMU2SDO4					20.9					61.5	82.4
C01020304	WLCCIF01020304020304					21.7					0	21.7 T
T01	WLCCIF01T01T01					12.7					0	12.7 T
T02	WLCCIF01T02T02					26.9					4.1	31 T
T03	WLCCIF01T03T03					21.1					0	21.1 T
T04	WLCCIF01T04T04					22.8					1	23.8 T
WR-VC-03	WLCDRD05VC00303					68.6					15.7	84.3 T
WR-VC-04	WLCDRD05VC00404					48.8					12.2	61 T
WR-VC-05	WLCDRD05VC00505					66.7					13.7	80.4 T
WR-VC-06	WLCDRD05VC00606					74.7					17.9	92.6 T
WR-VC-07	WLCDRD05VC00707					66.9					14.1	81 T
WR-VC-08	WLCDRD05VC00808					71.5					17.7	89.2 T
WR-VC-09	WLCDRD05VC00909					66.1					12.4	78.5 T
WR-VC-10	WLCDRD05VC01010					74.9					19.6	94.5 T
WR-VC-11	WLCDRD05VC01111					74.9					13.8	88.7 T
WR-VC-12	WLCDRD05VC01212					66.9					17.5	84.4 T
WR-VC-13	WLCDRD05VC01313					70.8					13.3	84.1 T
WR-VC-14	WLCDRD05VC01414					63.5					15.6	79.1 T
WR-VC-15	WLCDRD05VC01515					63.1					13.3	76.4 T
WR-VC-16	WLCDRD05VC01616					52.6					14.4	67 T
WR-VC-17	WLCDRD05VC01717					54.4					12.4	66.8 T
WR-VC-18	WLCDRD05VC01818					75.1					15.4	90.5 T
WR-VC-19	WLCDRD05VC01919					55					12.3	67.3 T
WR-VC-20	WLCDRD05VC02020					70.8					17.9	88.7 T
WR-VC-22	WLCDRD05VC02222					75.4					17.6	93 T
WR-VC-23	WLCDRD05VC02323					22.4					6.54	28.9 T
WR-VC-24	WLCDRD05VC02424					74					18.5	92.5 T
WR-VC-26	WLCDRD05VC02626					68.5					14	82.5 T
WR-VC-28	WLCDRD05VC02828					72.2					20.6	92.8 T
WR-VC-29	WLCDRD05VC02929					74.6					13	87.6 T
WR-VC-30	WLCDRD05VC03030					69.7					19.1	88.8 T
WR-VC-31	WLCDRD05VC03131					76.3					16.1	92.4 T
WR-VC-32	WLCDRD05VC03232					65					19.4	84.4 T
WR-VC-33	WLCDRD05VC03333					11.7					4.36	16.1 T
WR-VC-34	WLCDRD05VC03434					69.1					20.9	90 T
WR-VC-35	WLCDRD05VC03535					43					10.6	53.6 T
WR-VC-36	WLCDRD05VC03636					62					14.3	76.3 T
WR-VC-37	WLCDRD05VC03737					38.4					8.05	46.5 T
WR-VC-39	WLCDRD05VC03939					51.3					10.2	61.5 T
WR-VC-41	WLCDRD05VC04141					68.5					11.7	80.2 T
WR-VC-42	WLCDRD05VC04242					28.3					8.1	36.4 T
WR-VC-43	WLCDRD05VC04343					62.9					11.9	74.8 T
WR-VC-45	WLCDRD05VC04545					58.6					12.3	70.9 T
WR-VC-46	WLCDRD05VC04646					40.1					13.3	53.4 T
WR-VC-47	WLCDRD05VC04747					44.6					7.67	52.3 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No	GS_CSILT	GS_MSILT	GS_FSILT	GS_VFSILT	GS_SILT	GS_CCLAY	GS_MCLAY	GS_MFCLAY	GS_FCLAY	GS_CLAY	GS_FINES
	Chemical Name	Coarse silt	Medium silt	Fine silt	Very fine silt	Silt	8-9 Phi clay	9-10 Phi clay	>9 Phi clay	>10 Phi clay	Clay	Fines
	Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent
Location Name	Sample ID											
WR-VC-49	WLCDRD05VC04949					58.4					13.6	72 T
WR-VC-50	WLCDRD05VC05050					70.1					13.6	83.7 T
WR-VC-51	WLCDRD05VC05151					49.6					9.53	59.1 T
WR-VC-52	WLCDRD05VC05252					57					14.6	71.6 T
WR-VC-53	WLCDRD05VC05353					41.1					8.22	49.3 T
WR-VC-54	WLCDRD05VC05454					58.3					15.3	73.6 T
WR-VC-55	WLCDRD05VC05555					32.3					5.48	37.8 T
WR-VC-56	WLCDRD05VC05656					56.7					20.2	76.9 T
WR-VC-57	WLCDRD05VC05757					61.4					12.5	73.9 T
WR-VC-58	WLCDRD05VC05858					16.8					4.17	21 T
WR-VC-59	WLCDRD05VC05959					40.7					9.09	49.8 T
WR-VC-60	WLCDRD05VC06060					30.1					6.27	36.4 T
WR-VC-61	WLCDRD05VC06161					48.2					10.2	58.4 T
WR-VC-62	WLCDRD05VC06262					6.66					14	20.7 T
WR-VC-64	WLCDRD05VC06464					77.3					10.9	88.2 T
WR-VC-66	WLCDRD05VC06666					77.5					13	90.5 T
WR-VC-68	WLCDRD05VC06868					82.8					8.88	91.7 T
WR-VC-70	WLCDRD05VC07070					76.9					14.1	91 T
WR-VC-72	WLCDRD05VC07272					77.3					15.9	93.2 T
WR-VC-106	WLCDRD05VC106106					56.2					17.8	74 T
WR-VC-108	WLCDRD05VC108108					49.7					13.8	63.5 T
WR-VC-110	WLCDRD05VC110110					10.1					3.52	13.6 T
WR-VC-114	WLCDRD05VC114114					64.2					13.6	77.8 T
WR-VC-116	WLCDRD05VC116116					69.5					11.9	81.4 T
WR-VC-118	WLCDRD05VC118118					62.4					10.9 J	73.3 JT
WR-VC-120	WLCDRD05VC120120					65.5					13	78.5 T
WR-VC-122	WLCDRD05VC122122					32.3					5.49	37.8 T
WR-VC-124	WLCDRD05VC124124					52.3					11.3	63.6 T
WR-VC-126	WLCDRD05VC126126					40.6					8.24	48.8 T
WR-VC-128	WLCDRD05VC128128					17.6					5.22	22.8 T
WR-VC-130	WLCDRD05VC130130					8.98					5.36	14.3 T
WR-VC-132	WLCDRD05VC132132					38.8					17.9	56.7 T
WR-VC-134	WLCDRD05VC134134					10					4.35	14.4 T
RAA-02	WLCGSG04RAA02SD1019					54.1					15.6	69.7
RAA-05	WLCGSG04RAA05SD1020					45.4					12.3	57.7
RAA-06	WLCGSG04RAA06SD0415					20.6					6.07	26.67
RAA-06	WLCGSG04RAA06SD1520					36.1					10.2	46.3
RAA-08	WLCGSG04RAA08SD0720					42.2					10.3	52.5
RAA-09	WLCGSG04RAA09SD0516					7.44					2.45	9.89
RAA-10	WLCGSG04RAA10SD1020					58.1					13.3	71.4
RAA-11	WLCGSG04RAA11SD1320					41.8 T					12.4 T	54.2 T
RAA-12	WLCGSG04RAA12SD1820					64.8					15.1	79.9
RAA-13	WLCGSG04RAA13SD1115					13.1					4.78	17.88
RAA-14	WLCGSG04RAA14SD1014					38.3					14.6	52.9
RAA-14	WLCGSG04RAA14SD1420					21.3					5.84	27.14
RAA-17	WLCGSG04RAA17SD0010					41					7.64	48.64
RAA-17	WLCGSG04RAA17SD1420					59.7					4.34	64.04
RAA-19	WLCGSG04RAA19SD0920					39.2					10.3	49.5
S1	WLCGXV99S1S1_30	33.2	13.6	6.8	6.8		6.8	6.8		0		74 T
S2	WLCGXV99S2S2_30	18.4	0	7.4	0		3.7	3.7		0		33.2 T
S3	WLCGXV99S3S3_30	33	6.8	6.8	6.8		0	0		6.8		60.2 T
S3	WLCGXV99S3S3_30R	36.4	8.1	8.1	8.1		8.1	8.1		0		76.9 T
S4	WLCGXV99S4S4_30	10.7	0	0	0		0	0		0		10.7 T
SDC-SS01	WLCITC03SS010007					39.7					11.1	50.8 T
SDC-SS01	WLCITC03SS010710C					1.68					0.56	2.24 T
SDC-SS02	WLCITC03SS020013					47.3					17.1	64.4 T
SDC-SS02	WLCITC03SS021517C					2.96					0.71	3.67 T
SDC-SS03R	WLCITC03SS03R0204C					0.71					0.41	1.12 T
SDC-SS04	WLCITC03SS040008					10.8					4.28	15.1 T
SDC-SS05	WLCITC03SS050012					8.86					2.98	11.8 T
SDC-SS05	WLCITC03SS051416C					1.96					0.4	2.36 T
SDC-SS06	WLCITC03SS060007					47.6					14.5	62.1 T
SDC-SS06	WLCITC03SS060810C					2.42					0.6	3.02 T
CS001	WLCMRI02CS001CS001					56.8					18.9	75.7 T
CS002	WLCMRI02CS002CS002					65.8					18.3	84.1 T
CS003	WLCMRI02CS003CS003					51.4					18.3	69.7 T
T2-01-1	WLCT0F01T20101T2011A					64.6 J					6.2 J	70.8 JT
T2-01-2	WLCT0F01T20102T2012A					62.1 J					17.1 J	79.2 JT
T5-01-1	WLCT0F01T50101T5011A					4 J					0.1 J	4.1 JT
T5-01-2	WLCT0F01T50102T5012A					31.8 J					5.3 J	37.1 JT
C104105	WLCT4J9710410 5B41603					32					4	36 T
HC-VC-102	WLCT4J97CVC102B41601					17					3	20 T
HC-VC-103	WLCT4J97CVC103B41602					67					3	70 T
HC-S-07	WLCT4J98HCS07VC07S2					36.3					15.8	52.1
HC-S-11	WLCT4J98HCS11VC11S2					39.7					12.5	52.2
HC-S-13	WLCT4J98HCS13VC13S2					2.1					0.9	3
HC-S-18	WLCT4J98HCS18VC18S2					2.3					0.9	3.2
HC-S-32	WLCT4J98HCS32VC32S2					2.6					0.9	3.5
T4COMP	WLCT4L01T4COMPCOMP					45.5					15	60.5 T

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
HC-VC-B501-03	WLCT5K99B50103argeC1					0.9					0.8	1.7 T
HC-B501-C1	WLCT5K99B501C1B501C1					1.3					0.8	2.1 T
HC-B503-C1	WLCT5K99B503C1B503C1					58.4					10.1	68.5 T
WR-VC-01	WLR0499WRVC01WRVC01					65.3					8.7	74
WR-VC-02	WLR0499WRVC02WRVC02					60.9					6.6	67.5
WR-VC-03	WLR0499WRVC03WRVC03					63.8					6.5	70.3
WR-VC-04	WLR0499WRVC04WRVC04					50.9					5.5	56.4
WR-VC-05	WLR0499WRVC05WRVC05					49.1					6	55.1
WR-VC-06	WLR0499WRVC06WRVC06					50.2					4.9	55.1
WR-VC-07	WLR0499WRVC07WRVC07					61.3					5.4	66.7
WR-VC-08	WLR0499WRVC08WRVC08					59.8					6.3	66.1
WR-VC-09	WLR0499WRVC09WRVC09					64.9					3	67.9
WR-BC-03	WLR0797WRBC03WRBC03					7.2					0.1 U	7.2
WR-CD-40	WLR0797WRCD40RCD40A					0.2					0.1 U	0.2
WR-CD-41	WLR0797WRCD41RCD41A					1.4					0.1 U	1.4
WR-CD-41	WLR0797WRCD41RCD41B					34.8					3.6	38.4
WR-CD-42	WLR0797WRCD42RCD42A					37					2.6	39.6
WR-CD-42	WLR0797WRCD42RCD42B					45.7					5.9	51.6
WR-CD-42	WLR0797WRCD42RCD42C					31.5					4.5	36
WR-CD-42	WLR0797WRCD42RCD42D					34.6					3.9	38.5
WR-CD-43	WLR0797WRCD43RCD43A					0.2					0.1 U	0.2
WR-CD-43	WLR0797WRCD43RCD43B					0.2					0.1 U	0.2
WR-CD-43	WLR0797WRCD43WRD					0.5					0.1 U	0.5
WR-GC-02	WLR0797WRGC02RGC02A					21.2					1.8	23
WR-GC-02	WLR0797WRGC02RGC02B					2.4					0.1 U	2.4
WR-GC-04	WLR0797WRGC04RGC04A					51.2					3.8 U	55
WR-GC-04	WLR0797WRGC04RGC04B					67.4					5.6	73
WR-GC-05	WLR0797WRGC05RGC05A					67.4					7.5	74.9
WR-GC-05	WLR0797WRGC05RGC05B					91.6					8.9	100.5
WR-GC-06	WLR0797WRGC06RGC06A					69.2					2.6	71.8
WR-GC-06	WLR0797WRGC06RGC06B					71.6					7.2	78.8
WR-GC-11	WLR0797WRGC11RGC11A					52.1					4.1	56.2
WR-GC-18	WLR0797WRGC18RGC18A					73.4					6.7	80.1
WR-GC-19	WLR0797WRGC19RGC19A					0.4					0.1 U	0.4
WR-GC-24	WLR0797WRGC24RGC24A					34.7					3.7	38.4
WR-GC-24	WLR0797WRGC24RGC24B					38.4					3.7	42.1
WR-GC-25	WLR0797WRGC25RGC25A					85.3					7.9	93.2
WR-GC-30	WLR0797WRGC30RGC30A					51.1					6.3	57.4
WR-GC-31	WLR0797WRGC31RGC31A					38.5					5.5	44
WR-GC-32	WLR0797WRGC32RGC32A					52.7					7.2	59.9
WR-GC-33	WLR0797WRGC33RGC33A					54.7					4.5	59.2
WR-GC-34	WLR0797WRGC34RGC34A					31.8					4.1	35.9
WR-GC-35	WLR0797WRGC35RGC35A					51.5					7.8	59.3
WR-GC-37	WLR0797WRGC37RGC37A					0.1					0.1 U	0.1
WR-GC-38	WLR0797WRGC38RGC38A					0.7					0.1 U	0.7
WR-GC-39	WLR0797WRGC39RGC39A					0.4					0.1 U	0.4
CR-VC-01	WLR1199CRVC01RVC01R					15.6					2.3	17.93
WR-VC-02	WLR1199WRVC02WRVC02					65.7					14.7	80.43
WR-VC-03	WLR1199WRVC03WRVC03					69.9					10.7	80.6
WR-VC-04	WLR1199WRVC04WRVC04					71.3					14.5	85.83
WR-VC-05	WLR1199WRVC05WRVC05					53.6					10.5	64.05
WR-VC-06	WLR1199WRVC06C06ABC					46.9					4.36	51.32
WR-VC-06	WLR1199WRVC06RVC06D					58.5					10.9	69.38
WR-VC-07	WLR1199WRVC07C07ABC					44.8					7.5	52.28
WR-VC-07	WLR1199WRVC07RVC07D					33.9					6.3	40.18
OSS001	WLRELF99OSS001SD0004					57.4					8.9	66.3
OSS002	WLRELF99OSS002SDC001					68.7					10.2	78.9
OSS003	WLRELF99OSS003SD0022					35.4					6.5	41.9
OSS004	WLRELF99OSS004SD0013					69.2					5.5	74.7
OSS005	WLRELF99OSS005SDC002					73.1					15.2	88.3
OSS006	WLRELF99OSS006SD0017					31.5					4.9	36.4
RB1	WLRELF99RB1SD1002					0.08 U					0.05 U	0.13
RB2	WLRELF99RB2SD1004					0.12					0.12	0.24
RB3	WLRELF99RB3SD1006					15.7					5	20.7
RB4	WLRELF99RB4SD1008					1.3					0.38	1.68
RB5	WLRELF99RB5SD1010					0.42 U					0.09 U	0.51
RB6	WLRELF99RB6SD1012					24.5					5.5	30
RB6	WLRELF99RB6SD1014					25.6					5.9	31.5
SD001	WR-WSI98SD0010000A					60.09					17.36	77.45
SD007	WR-WSI98SD0070000A					58.61					17.88	76.49
SD013	WR-WSI98SD0130000A					46.85					16.56	63.41
SD017	WR-WSI98SD0170000A					53.71					13.51	67.22
SD023	WR-WSI98SD0230000A					53.01					17.43	70.44
SD031	WR-WSI98SD0310000A					50.41					15.34	65.75
SD035	WR-WSI98SD0350000A					58.57					17.97	76.54
SD048	WR-WSI98SD048000ACC					56.8 T					14.7 T	71.4 T
SD049	WR-WSI98SD0490000A					52.29					12.02	64.31
SD053	WR-WSI98SD0530000A					42.34					9.55	51.89
SD055C	WR-WSI98SD055C0000A					46.63					14.95	61.58

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Table C2-12. Sediment Grain-Size Values Used in Percent Fines Calculations for Subsurface Sediment Samples.

	CAS No Chemical Name Unit	GS_CSILT Coarse silt percent	GS_MSILT Medium silt percent	GS_FSILT Fine silt percent	GS_VFSILT Very fine silt percent	GS_SILT Silt percent	GS_CCLAY 8-9 Phi clay percent	GS_MCLAY 9-10 Phi clay percent	GS_MFCLAY >9 Phi clay percent	GS_FCLAY >10 Phi clay percent	GS_CLAY Clay percent	GS_FINES Fines percent
Location Name	**Sample ID**											
SD057	WR-WSI98SD0570000A					55.86					11.36	67.22
SD071	WR-WSI98SD0710000A					63.52					15.37	78.89
SD072	WR-WSI98SD0720000A					46.12					8.07	54.19
SD074	WR-WSI98SD0740000A					70.05					19.31	89.36
SD081C	WR-WSI98SD081C0000A					41.94					8.93	50.87
SD084	WR-WSI98SD084000ACC					60.5 T					12.3 T	72.8 T
SD090	WR-WSI98SD0900000A					65.33					14.92	80.25
SD092	WR-WSI98SD0920000A					53.73					17.34	71.07
SD096	WR-WSI98SD0960000A					45.7					10.06	55.76
SD100	WR-WSI98SD1000000A					53.19					24.8	77.99
SD102	WR-WSI98SD1020000A					55.12					13.87	68.99
SD106	WR-WSI98SD1060000A					66.04					11.35	77.39
SD116	WR-WSI98SD1160000A					66.01					11.03	77.04
SD117	WR-WSI98SD1170000A					59.15					8.44	67.59
SD120	WR-WSI98SD1200000A					45.98					13.53	59.51
SD122	WR-WSI98SD1220000A					70.75					15.75	86.5
SD125	WR-WSI98SD1250000A					70.3					20.31	90.61
SD127	WR-WSI98SD1270000A					69.06					17.37	86.43
SD133	WR-WSI98SD1330000A					57.43					11.21	68.64
SD135	WR-WSI98SD1350000A					65.01					13.44	78.45
SD136	WR-WSI98SD1360000A					43.12					18.42	61.54
SD138	WR-WSI98SD1380000A					63.32					13.85	77.17
SD141	WR-WSI98SD1410000A					68.9					17.66	86.56
SD143	WR-WSI98SD1430000A					57.03					16.33	73.36
SD150	WR-WSI98SD1500000A					36.73					8.45	45.18
SD151	WR-WSI98SD1510000A					63.44					14.56	78

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C009	LW2-C009-B	9.1 U	16.8 U	15.2 U	9.25 U	276	169	279	8.5 U	7.29 U	724 T
C009	LW2-C009-C	1.57 U	2.9 U	2.62 U	1.59 U	8.77 J	11.5 J	8.75 J	1.46 U	1.26 U	29 JT
C011-1	LW2-C011-B1	8.11 UT	15 UT	13.6 UT	8.25 UT	341 JT	268 JT	330 JT	7.57 UT	6.5 UT	939 JT
C011-2	LW2-C011-B2	9.06 U	16.8 U	15.2 U	9.21 U	344	347 J	584 J	8.46 U	7.26 U	1280 JT
C011-1	LW2-C011-C1	1.69 UT	3.13 UT	2.83 UT	1.72 UT	33.5 JT	40 T	24.1 JT	1.58 UT	1.35 UT	97.6 JT
C011-2	LW2-C011-C2	82.3 U	152 U	138 U	3260 J	107 U	1610 J	3030 J	76.9 U	66 U	7900 JT
C011-1	LW2-C011-D1	2.68 UT	4.96 UT	4.48 UT	2.72 UT	40.8 JT	108 JT	83.1 JT	2.5 UT	2.15 UT	232 JT
C011-2	LW2-C011-D2	1.72 U	3.18 U	2.87 U	1.75 U	46.6 J	39.6	39	1.6 U	1.38 U	125 JT
C011-2	LW2-C011-E2	3.9 U	7.22 U	6.52 U	3.96 U	63.4	274 J	240 J	3.64 U	3.12 U	577 JT
C011-1	LW2-C011-F1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C015	LW2-C015-B	49.3 U	91.4 U	82.5 U	50.2 U	855 J	703 J	1570	46.1 U	39.6 U	3130 JT
C015	LW2-C015-C	1.3 U	2.4 U	2.17 U	1.32 U	2.03 J	7.88	6.1 J	1.21 U	1.04 U	16 JT
C015	LW2-C015-D	1.57 U	2.91 U	2.63 U	1.6 U	2.05 U	34.7 J	26	1.47 U	2.48 J	63.2 JT
C015	LW2-C015-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.8 J	1.5 U	1.5 U	1.8 JT
C019-1	LW2-C019-B1	62.7 UJ	116 UJ	105 UJ	63.8 UJ	1010 J	870 J	2200 J	58.6 UJ	50.3 UJ	4080 JT
C019-1	LW2-C019-C1	1.31 UJ	2.43 UJ	2.19 UJ	1.33 UJ	58.3 J	29.7 J	8.19 J	1.22 UJ	1.05 UJ	96.2 JT
C019-1	LW2-C019-D1	15 U	15 U	15 U	15 U	320 J	150	170 U	160 U	130 U	470 JT
C019-2	LW2-C019-E2	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C020	LW2-C020-B	12.4 UJ	23 UJ	20.7 UJ	210 J	16.2 UJ	410 J	200 J	11.6 UJ	9.94 UJ	820 JT
C020	LW2-C020-C	25.8 UJ	47.8 UJ	43.2 UJ	950 J	33.7 UJ	629 J	1170 J	24.1 UJ	20.7 UJ	2750 JT
C020	LW2-C020-D	17 U	17 U	17 U	17 U	950	390	210 U	260 U	200 U	1340 T
C022	LW2-C022-B	1.81 U	3.36 U	3.03 U	1.84 U	7.55 J	11.9	5.19	1.69 U	1.45 U	24.6 JT
C022	LW2-C022-C	1.89 U	3.5 U	3.16 U	1.92 U	11 J	20.4	12.8	1.76 U	1.51 U	44.2 JT
C022	LW2-C022-D	2 U	2 U	2 U	2 U	17	32 J	32	2 U	2 U	81 JT
C025-1	LW2-C025-B1	1.31 UJ	2.43 UJ	2.19 UJ	1.33 UJ	1.71 UJ	0.797 UJ	1.02 UJ	1.22 UJ	1.05 UJ	2.43 UJT
C025-1	LW2-C025-C1	80.7 UJ	149 UJ	135 UJ	82.1 UJ	1850 J	2120 J	3200 J	75.4 UJ	64.7 UJ	7170 JT
C025-1	LW2-C025-D1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C025-2	LW2-C025-D2	1.31 U	2.42 U	2.18 U	1.33 U	1.7 U	0.793 U	1.02 U	1.22 U	1.05 U	2.42 UT
C025-2	LW2-C025-E2	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C027	LW2-C027-B	2.74 U	5.08 U	4.59 U	2.79 U	77.9 J	20.3 J	3.39 J	2.56 U	2.2 U	102 JT
C027	LW2-C027-C	1.54 U	2.85 U	2.58 U	1.57 U	15.9 J	7.29 J	4.6 J	1.44 U	1.24 U	27.8 JT
C027	LW2-C027-D	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C034	LW2-C034-B	1.33 U	2.47 U	2.23 U	13.7 J	1.74 U	13.9 J	2.97 J	1.25 U	1.07 U	30.6 JT
C034	LW2-C034-C	1.35 U	2.5 U	2.26 U	1.37 U	8.62 J	17 J	4.88 J	1.26 U	1.08 U	30.5 JT
C034	LW2-C034-E	1.34 U	2.49 U	2.25 U	1.37 U	1.75 U	4.4 J	2.21 J	1.25 U	1.08 U	6.61 JT
C038	LW2-C038-B	1.32 U	2.44 U	2.2 U	1.34 U	24.2 J	15.5 J	9.69 J	1.23 U	1.06 U	49.4 JT
C038	LW2-C038-C	1.25 U	2.32 U	2.1 U	1.27 U	1.63 U	0.762 U	0.978 U	1.17 U	1.01 U	2.32 UT
C038	LW2-C038-D	1.48 U	2.74 U	2.48 U	1.51 U	1.93 U	0.899 U	1.15 U	1.38 U	1.19 U	2.74 UT
C060	LW2-C060-B	1.71 U	3.17 U	2.86 U	1.74 U	19.3 J	63.7 J	35.3 J	1.6 U	1.37 U	118 JT
C060	LW2-C060-C	1.74 U	3.23 U	2.92 U	1.77 U	2.27 U	22.1 J	14.3 J	1.63 U	1.4 U	36.4 JT
C061	LW2-C061-B	1.5 U	1.5 U	1.5 U	1.5 U	7.6	17 J	13	1.5 U	1.5 U	37.6 JT
C061	LW2-C061-C	1.7 U	1.7 U	1.7 U	1.7 U	29	27 J	53	1.7 U	1.7 U	109 JT
C061	LW2-C061-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C062	LW2-C062-B	1.27 U	2.54 UJ	2.12 U	1.29 U	1.65 U	0.77 U	0.989 U	1.18 U	1.02 U	2.54 UJT
C062	LW2-C062-C	1.33 U	2.47 U	2.23 U	1.36 U	1.74 U	0.81 U	1.04 U	1.24 U	1.07 U	2.47 UT
C062	LW2-C062-D	1.36 U	2.51 U	2.27 U	1.38 U	1.77 U	0.824 U	1.06 U	1.27 U	1.09 U	2.51 UT
C064	LW2-C064-B	1.68 U	3.11 U	2.81 U	1.71 U	2.19 U	1.02 U	1.31 U	1.57 U	1.35 U	3.11 UT
C064	LW2-C064-C	1.51 U	2.79 U	2.52 U	1.53 U	1.97 U	0.916 U	1.18 U	1.41 U	1.21 U	2.79 UT
C066	LW2-C066-B	1.52 U	2.81 U	2.54 U	1.54 U	1.98 U	3.8	1.18 U	1.42 U	1.22 U	3.8 T
C066	LW2-C066-C	1.43 U	2.65 U	2.4 U	1.46 U	1.87 U	0.871 U	1.12 U	1.34 U	1.15 U	2.65 UT
C067	LW2-C067-B	1.73 U	3.21 U	2.9 U	1.76 U	17.4 J	74.6 J	42.3 J	1.62 U	1.39 U	134 JT
C067	LW2-C067-D	3.42 U	6.34 U	5.72 U	3.48 U	11	126 J	2.67 U	3.2 U	17.5 J	155 JT
C067	LW2-C067-E	1.51 U	2.79 U	2.52 U	1.53 U	1.97	28.2	1.18 U	1.41 U	15.8 J	46 JT
C073	LW2-C073-B	2.7 U	5 U	4.52 U	2.75 U	3.52 U	15.6	11.1	2.52 U	2.16 U	26.7 T
C073	LW2-C073-C	1.45 U	2.68 U	2.42 U	1.47 U	11.7	44.3 J	17.8	1.35 U	1.16 U	73.8 JT
C073	LW2-C073-D	1.26 U	2.34 U	2.11 U	1.28 U	1.64 U	19.7 J	9.61 J	1.18 U	1.01 U	29.3 JT
C074	LW2-C074-B	1.6 U	2.97 U	2.68 U	1.63 U	2.09 U	30.8 J	12.6	1.5 U	1.29 U	43.4 JT
C074	LW2-C074-C	3.99 U	7.39 U	6.68 U	4.06 U	5.2 U	2.43 U	11.4 J	3.73 U	3.2 U	11.4 JT
C074	LW2-C074-D	1.47 U	2.72 U	2.45 U	1.49 U	1.91 U	0.891 U	1.14 U	1.37 U	1.18 U	2.72 UT
C074	LW2-C074-F	1.35 U	2.5 U	2.26 U	1.37 U	5.57	19.8	9.2	1.26 U	1.08 U	34.6 T

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C077	LW2-C077-C	1.43 U	2.64 U	2.38 U	1.45 U	1.86 U	38.4 J	8.44	1.33 U	1.14 U	46.8 JT
C077	LW2-C077-D	1.53 U	2.84 U	2.56 U	1.56 U	2 U	0.931 U	1.19 U	1.43 U	1.23 U	2.84 UT
C078	LW2-C078-B	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C078	LW2-C078-C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C079	LW2-C079-B	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.2 J	1.7 U	1.7 U	2.2 JT
C079	LW2-C079-C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C080	LW2-C080-B	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	22 J	20	1.4 U	1.4 U	42 JT
C080	LW2-C080-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	2.7 U	3.1 U	1.4 U	1.4 U	3.1 UT
C082	LW2-C082-B1	1.5 U	1.5 U	1.5 U	1.5 U	14	33 J	20	1.5 U	1.5 U	67 JT
C082-2	LW2-C082-B2	1.5 UT	1.5 UT	1.5 UT	1.5 UT	8.6 T	22 JT	18 T	1.5 UT	1.5 UT	48.6 JT
C082	LW2-C082-C1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C082-2	LW2-C082-C2	1.5 UT	1.5 UT	1.5 UT	1.5 UT	1.5 UT	4.05 JT	3.75 JT	1.5 UT	1.5 UT	7.8 JT
C082	LW2-C082-D1	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UT
C082-2	LW2-C082-D2	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT	1.4 UT
C083	LW2-C083-B	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	130 J	75	1.8 U	1.8 U	205 JT
C083	LW2-C083-C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	150 J	84	1.6 U	1.6 U	234 JT
C084	LW2-C084-B	2 U	2 U	2 U	2 U	2 U	180	110	2 U	2 U	290 T
C084	LW2-C084-C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	20 J	16	1.7 U	1.7 U	36 JT
C084	LW2-C084-D	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C086	LW2-C086-B	3.37 U	6.24 U	5.63 U	3.43 U	32	115	55	3.15 U	2.7 U	202 T
C086	LW2-C086-C	1.14 U	2.11 U	1.91 U	1.16 U	1.49 U	0.693 U	0.89 U	1.07 U	0.915 U	2.11 UT
C087	LW2-C087-B	1.9 U	1.9 U	1.9 U	1.9 U	54	130 J	100	1.9 U	1.9 U	284 JT
C087	LW2-C087-C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	6.5 J	8.5	1.5 U	1.5 U	15 JT
C088	LW2-C088-B	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	130	160	1.8 U	1.8 U	290 T
C088	LW2-C088-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	5.9	5.1	1.4 U	1.4 U	11 T
C089	LW2-C089-B	15 U	15 U	15 U	15 U	15 U	3200	15 U	15 U	15 U	3200 T
C089	LW2-C089-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	46	1.4 U	1.4 U	1.4 U	46 T
C089	LW2-C089-D	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C090	LW2-C090-B	1.8 U	1.8 U	1.8 U	1.8 U	70	130	230	1.8 U	1.8 U	430 T
C090	LW2-C090-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	4.7 J	1.4 U	1.4 U	4.7 JT
C091	LW2-C091-B	2 U	2 U	2 U	2 U	2 U	200 J	120	2 U	2 U	320 JT
C091	LW2-C091-C	2 U	2 U	2 U	2 U	2 U	260 J	220	2 U	2 U	480 JT
C091	LW2-C091-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C092	LW2-C092-B	110 U	110 U	110 U	110 U	110 U	26000	110 U	110 U	110 U	26000 T
C092	LW2-C092-C	110 U	110 U	110 U	110 U	110 U	15000	110 U	110 U	110 U	15000 T
C092	LW2-C092-D	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	82	78	1.6 U	1.6 U	160 T
C092	LW2-C092-E	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C093	LW2-C093-B	23.4 U	43.4 U	39.2 U	23.8 U	472	1910	436	21.9 U	18.8 U	2820 T
C093	LW2-C093-C	1.34 U	2.48 U	2.24 U	1.36 U	1.75 U	0.814 U	1.04 U	1.25 U	1.07 U	2.48 UT
C094	LW2-C094-B	21 U	21 U	21 U	21 U	21 U	1300	690	21 U	21 U	1990 T
C094	LW2-C094-C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 J	1.7 U	1.7 U	1.7 U	3.4 JT
C096	LW2-C096-B	430 U	110 U	410 U	330 U	460 U	630 J	270 U	15 U	15 U	630 JT
C096	LW2-C096-C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C099	LW2-C099-B	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	330	2.1 U	2.1 U	2.1 U	330 T
C099	LW2-C099-C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	190 U	130	1.9 U	1.9 U	130 T
C103	LW2-C103-B	2 U	2 U	2 U	2 U	2 U	77 J	49	2 U	2 U	126 JT
C103	LW2-C103-D	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	130 U	91 U	1.9 U	33 J	33 JT
C103	LW2-C103-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	13	1.5 U	1.5 U	13 T
C105	LW2-C105-B	1.61 U	2.99 U	2.7 U	1.64 U	2.1 U	0.98 U	1.26 U	1.51 U	1.29 U	2.99 UT
C105	LW2-C105-C	1.58 U	2.92 U	2.64 U	1.6 U	2.05 U	0.958 U	1.23 U	1.47 U	1.26 U	2.92 UT
C106	LW2-C106-B	2.1 U	2.1 U	2.1 U	2.1 U	29	55	44	2.1 U	2.1 U	128 T
C106	LW2-C106-C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	65 J	55 J	1.9 U	1.9 U	120 JT
C106	LW2-C106-E	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	120 U	130 J	1.9 U	26	156 JT
C106	LW2-C106-F	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	20 J	1.6 U	13	33 JT
C109	LW2-C109-B	2.1 U	2.1 U	2.1 U	52 J	2.1 U	100 J	71	2.1 U	2.1 U	223 JT
C109	LW2-C109-C	2 U	2 U	2 U	2 U	46	56 J	83	2 U	2 U	185 JT
C109	LW2-C109-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C111-1	LW2-C111-B	3.46 U	6.41 U	5.79 U	3.52 U	93.5	115	71.7 J	3.23 U	9.91 NJ	290 JT
C111-2	LW2-C111-B2	5.06 U	9.36 U	8.46 U	184	6.59 U	169	54.3	4.72 U	4.05 U	407 T
C111-1	LW2-C111-C	1.82 U	3.36 U	3.04 U	1.85 U	52 J	74	51.3 J	1.7 U	5.47	183 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C111-2	LW2-C111-C2	5.21 U	9.65 U	8.72 U	5.3 U	43.6	99.1	40.6	4.87 U	4.18 U	183 T
C111-2	LW2-C111-E2	1.69 U	3.12 U	2.82 U	1.71 U	8.69	114	72.8	1.57 U	24.4	220 T
C111-1	LW2-C111-F	1.44 U	2.67 U	2.41 U	1.46 U	1.88 U	0.875 U	4.81 J	1.34 U	11.3 J	16.1 JT
C112	LW2-C112-B	1.77 U	3.28 U	2.96 U	1.8 U	72.9	84.8	51.2 J	1.66 U	11.2	220 JT
C112	LW2-C112-C	3.62 U	6.71 U	6.06 U	3.68 U	58.1 NJ	113 J	80 J	3.38 U	14.5 J	266 JT
C112	LW2-C112-D	1.81 U	3.35 U	3.03 U	1.84 U	14.3 NJ	76.9 NJ	57.4 NJ	1.69 U	17 J	166 JT
C121	LW2-C121-B	1.64 U	3.04 U	2.74 U	1.67 U	10.9	40.4	21.9	1.53 U	1.32 U	73.2 T
C121	LW2-C121-C	1.6 U	2.95 U	2.67 U	1.62 U	2.68 J	20.9 J	13.8 J	1.49 U	1.28 U	37.4 JT
C121	LW2-C121-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C122	LW2-C122-B	1.7 U	3.14 U	2.84 U	1.72 U	31.5	54.9	33.9 J	1.58 U	1.36 U	120 JT
C122	LW2-C122-C	1.58 U	2.92 U	2.64 U	1.6 U	2.05 U	0.958 U	45.6 J	1.47 U	1.26 U	45.6 JT
C127	LW2-C127-B	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	38 U	44	1.9 U	1.9 U	44 T
C127	LW2-C127-C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	30 U	50	1.9 U	1.9 U	50 T
C127	LW2-C127-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C130	LW2-C130-B	2.06 U	3.82 U	3.45 U	2.1 U	2.69 U	33.5	26.4	1.93 U	1.65 U	59.9 T
C130	LW2-C130-C	1.19 U	2.2 U	1.99 U	1.21 U	1.55 U	0.722 U	0.927 U	1.11 U	0.953 U	2.2 UT
C130	LW2-C130-E	1.37 U	2.54 U	2.29 U	1.39 U	1.79 U	0.832 U	1.07 U	1.28 U	1.1 U	2.54 UT
C133	LW2-C133-B	1.93 UJ	3.58 UJ	3.23 UJ	1.97 UJ	2.52 UJ	12.3 J	3.37 J	1.81 UJ	1.55 UJ	15.7 JT
C133	LW2-C133-C	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	50 J	33	1.9 U	1.9 U	83 JT
C133	LW2-C133-D	1.71 UJ	3.17 UJ	2.86 UJ	1.74 UJ	70.7 J	88.5 J	42.5 J	1.6 UJ	1.37 UJ	202 JT
C135	LW2-C135-B	1.92 UJ	3.56 UJ	3.22 UJ	1.96 UJ	2.51 UJ	13.2 J	4.76 J	1.8 UJ	1.54 UJ	18 JT
C135	LW2-C135-C	1.98 UJ	3.66 UJ	3.31 UJ	2.01 UJ	11.2 J	31.1 J	14.6 J	1.85 UJ	1.58 UJ	56.9 JT
C135	LW2-C135-D	1.9 U	1.9 U	1.9 U	1.9 U	45 J	51 J	54	1.9 U	1.9 U	150 JT
C136	LW2-C136-B	2.11 U	3.91 U	3.53 U	2.15 U	19.3 J	31.8 J	17.9 J	1.97 U	1.69 U	69 JT
C136	LW2-C136-C	2.02 U	3.73 U	3.37 U	2.05 U	55.8	109	53.6	1.88 U	1.62 U	218 T
C136	LW2-C136-D	1.73 U	3.2 U	2.89 U	1.76 U	2.25 U	33.6	17.7	1.61 U	1.39 U	51.3 T
C138	LW2-C138-C	1.27 U	2.35 U	2.12 U	1.29 U	1.65 U	0.769 U	0.988 U	1.18 U	1.02 U	2.35 UT
C139	LW2-C139-B	1.95 U	3.61 U	3.26 U	1.98 U	2.54 U	15.9 J	7.31	1.82 U	1.56 U	23.2 JT
C139	LW2-C139-C	3 U	5.56 U	5.03 U	3.06 U	3.92 U	23.8	9.28	2.81 U	2.41 U	33.1 T
C139	LW2-C139-D	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT
C142	LW2-C142-B	3.7 UJ	6.85 UJ	6.19 UJ	3.76 UJ	4.82 UJ	74 J	46.8 J	3.46 UJ	2.97 UJ	121 JT
C142	LW2-C142-C	3.5 UJ	6.48 UJ	5.85 UJ	3.56 UJ	4.56 UJ	64.3 J	23.1 J	3.27 UJ	2.81 UJ	87.4 JT
C144	LW2-C144-B	2 U	2 U	2 U	2 U	2 U	22	14	2 U	2 U	36 T
C144	LW2-C144-D	1.6 U	1.6 U	1.6 U	1.6 U	7	9.4 J	9.4	1.6 U	1.6 U	25.8 JT
C147	LW2-C147-B	3.6 U	6.66 U	6.02 U	3.66 U	4.69 U	2.19 U	92.7	3.36 U	2.89 U	92.7 T
C147	LW2-C147-C	1.64 U	3.04 U	2.75 U	1.67 U	56.5 J	84.8	45.5	1.53 U	1.32 U	187 JT
C147	LW2-C147-D	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	33 U	36 J	1.9 U	1.9 U	36 JT
C147	LW2-C147-E	3.47 U	6.43 U	5.81 U	3.53 U	4.52 U	2.11 U	37.6 J	3.24 U	2.78 U	37.6 JT
C148	LW2-C148-B	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	9.7 U	8.3 U	1.9 U	1.9 U	9.7 UT
C148	LW2-C148-D	2 U	2 U	2 U	2 U	30	74 J	49	2 U	2 U	153 JT
C155	LW2-C155-B	1.65 U	3.05 U	2.76 U	1.68 U	2.15 U	1 U	1.28 U	1.54 U	1.32 U	3.05 UT
C155	LW2-C155-C	1.62 U	3 U	2.71 U	1.64 U	2.11 U	0.983 U	1.26 U	1.51 U	1.3 U	3 UT
C157	LW2-C157-B	1.74 U	3.23 U	2.92 U	1.77 U	2.27 U	1.06 U	1.36 U	1.63 U	1.4 U	3.23 UT
C157	LW2-C157-C	1.59 U	2.94 U	2.66 U	1.62 U	2.07 U	0.965 U	1.24 U	1.48 U	1.27 U	2.94 UT
C158	LW2-C158-B	2.2 U	2.2 U	2.2 U	2.2 U	12 J	31 J	19	2.2 U	2.2 U	62 JT
C158	LW2-C158-D	1.6 U	1.6 U	1.6 U	1.6 U	22	44 J	24	1.6 U	1.6 U	90 JT
C160	LW2-C160-B	1.72 U	3.19 U	2.88 U	1.75 U	2.24 U	1.05 U	1.34 U	1.61 U	1.38 U	3.19 UT
C160	LW2-C160-C	1.65 U	3.05 U	2.76 U	1.68 U	2.15 U	1 U	1.29 U	1.54 U	1.32 U	3.05 UT
C161	LW2-C161-B	1.79 U	3.31 U	2.99 U	1.82 U	2.33 U	1.09 U	1.39 U	1.67 U	1.43 U	3.31 UT
C161	LW2-C161-C	1.46 U	2.71 U	2.45 U	1.49 U	1.91 U	0.889 U	1.14 U	1.37 U	1.17 U	2.71 UT
C162	LW2-C162-B	2.2 U	2.2 U	2.2 U	2.2 U	7	2.2 U	19 J	2.2 U	2.2 U	26 JT
C162	LW2-C162-D	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C163-1	LW2-C163-B1	1.23 U	2.28 U	2.06 U	1.25 U	1.6 U	0.747 U	0.958 U	1.15 U	0.986 U	2.28 UT
C163-2	LW2-C163-B2	1.15 UT	2.13 UT	1.93 UT	1.17 UT	1.5 UT	0.7 UT	0.899 UT	1.08 UT	0.924 UT	2.13 UT
C163-1	LW2-C163-C1	1.84 U	3.41 U	3.08 U	1.87 U	2.4 U	1.12 U	1.44 U	1.72 U	1.48 U	3.41 UT
C163-2	LW2-C163-C2	1.52 UT	2.82 UT	2.54 UT	1.55 UT	1.98 UT	0.924 UT	1.19 UT	1.42 UT	1.22 UT	2.82 UT
C164	LW2-C164-B	1.18 U	2.19 U	1.98 U	1.2 U	1.54 U	0.719 U	0.923 U	1.11 U	0.949 U	2.19 UT
C164	LW2-C164-C	1.25 UJ	2.32 UJ	2.09 UJ	1.27 UJ	1.63 UJ	1.95 J	0.976 UJ	1.17 UJ	1 UJ	1.95 JT
C164	LW2-C164-E	3.24 UJ	6 UJ	5.42 UJ	3.3 UJ	92.2 J	134 J	80.2 J	3.03 UJ	2.6 UJ	306 JT
C166	LW2-C166-B	1.45 U	2.68 U	2.42 U	1.47 U	1.89 U	5.8 J	1.96 J	1.35 U	1.16 U	7.76 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C166	LW2-C166-C	1.6 UJ	2.97 UJ	2.68 UJ	1.63 UJ	48.2 J	59.5 J	35.7 J	1.5 UJ	1.29 UJ	143 JT
C166	LW2-C166-D	1.54 U	2.84 U	2.57 U	1.56 U	11.2 J	73.3 J	49.2 J	1.43 U	1.23 U	134 JT
C167	LW2-C167-B	2.1 U	2.1 U	2.1 U	2.1 U	8.1	28	15	2.1 U	2.1 U	51.1 T
C167	LW2-C167-C	2 U	2 U	2 U	2 U	35	70	48	2 U	2 U	153 T
C167	LW2-C167-D	4.3 U	1.6 U	8.1 U	4.4 U	8.1 U	21 U	10 U	1.6 U	1.6 U	21 UT
C169	LW2-C169-C	1.9 U	1.9 U	1.9 U	1.9 U	27	43 J	42	1.9 U	1.9 U	112 JT
C170	LW2-C170-B	1.57 U	2.91 U	2.63 U	1.6 U	2.05 U	3.14 U	1.22 U	1.47 U	3.14 U	3.14 UT
C170	LW2-C170-C	1.3 U	2.41 U	2.18 U	1.33 U	1.7 U	0.792 U	1.02 U	1.22 U	1.05 U	2.41 UT
C171	LW2-C171-B	2.04 U	3.78 U	3.42 U	2.08 U	19.2 J	45.5	25.8	1.91 U	1.64 U	90.5 JT
C171	LW2-C171-C	1.53 U	2.83 U	2.55 U	1.55 U	35.5 J	39.6	22.5 J	1.43 U	1.22 U	97.6 JT
C171	LW2-C171-D	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C172	LW2-C172-B	1.82 U	3.37 U	3.05 U	1.85 U	2.37 U	12.5 J	9.4 J	1.7 U	1.46 U	21.9 JT
C172	LW2-C172-C	4.57 U	8.46 U	7.64 U	111	5.95 U	69.6	25.8 J	4.27 U	3.66 U	206 JT
C172	LW2-C172-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	2.1 U	1.9 U	1.5 U	1.5 U	2.1 UT
C173	LW2-C173-B	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	16 U	9.1 U	2.1 U	2.1 U	16 UT
C173	LW2-C173-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C176	LW2-C176-B	1.93 U	3.58 U	3.23 U	1.96 U	2.52 U	22.7 J	9.94	1.8 U	1.55 U	32.6 JT
C176	LW2-C176-C	1.45 U	2.69 U	2.43 U	1.48 U	1.89 U	0.882 U	1.13 U	1.36 U	1.16 U	2.69 UT
C176	LW2-C176-G	1.33 U	2.46 U	2.22 U	1.35 U	1.73 U	0.808 U	1.04 U	1.24 U	1.07 U	2.46 UT
C179	LW2-C179-B	1.72 U	3.19 U	2.88 U	1.75 U	2.25 U	56 J	33.9 J	1.61 U	1.38 U	89.9 JT
C179	LW2-C179-C	1.77 U	3.28 U	2.96 U	1.8 U	2.31 U	1.08 U	2.08 J	1.66 U	1.64 J	3.72 JT
C179	LW2-C179-D	1.63 U	3.02 U	2.72 U	1.66 U	2.12 U	0.99 U	1.27 U	1.52 U	1.31 U	3.02 UT
C182	LW2-C182-B	3.05 U	5.64 U	5.1 U	64.3	3.97 U	80.3	32.8	2.85 U	2.44 U	177 T
C182	LW2-C182-C	1.75 U	3.23 U	2.92 U	1.77 U	18.8 J	56.1	41.3 J	1.63 U	1.4 U	116 JT
C182	LW2-C182-D	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	150	1.9 U	1.9 U	150 T
C184	LW2-C184-B	1.72 U	3.18 U	2.87 U	1.75 U	75.3 J	96.4 J	47.2 J	1.6 U	1.38 U	219 JT
C184	LW2-C184-C	1.6 U	2.96 U	2.67 U	1.62 U	32.1 J	88.5 J	37	1.49 U	1.28 U	158 JT
C184	LW2-C184-D	1.46 U	2.7 U	2.44 U	1.48 U	1.9 U	0.885 U	1.14 U	1.36 U	1.17 U	2.7 UT
C187	LW2-C187-B	24 U	40 U	24 U	24 U	26 U	42 U	70	17 U	17 U	70 T
C187	LW2-C187-C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	68 U	24 J	1.7 U	1.7 U	24 JT
C187	LW2-C187-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C192	LW2-C192-B	1.65 U	3.06 U	2.76 U	1.68 U	24.3	78.8	37	1.54 U	5.43	146 T
C192	LW2-C192-C	1.66 U	3.08 U	2.78 U	1.69 U	8.08 J	78.6 J	72.5 J	1.55 U	54 J	213 JT
C192	LW2-C192-D	1.3 U	2.4 U	2.17 U	1.32 U	1.69 U	0.787 U	1.01 U	1.21 U	1.04 U	2.4 UT
C196	LW2-C196-B	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	11	9.7	1.5 U	1.5 U	20.7 T
C196	LW2-C196-C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C197	LW2-C197-B	1.85 U	3.42 U	3.09 U	1.88 U	27.4 J	87.1 J	47.2	1.73 U	16.5	178 JT
C197	LW2-C197-C	10.7 U	19.9 U	17.9 U	10.9 U	14 U	6.51 U	170 J	10 U	70.2 J	240 JT
C197	LW2-C197-D	1.18 U	2.18 U	1.97 U	1.2 U	1.54 U	0.716 U	0.919 U	1.1 U	0.944 U	2.18 UT
C199	LW2-C199-B	1.58 U	2.93 U	2.65 U	1.61 U	14.1 J	68.9 J	38.5 J	1.48 U	72.3 J	194 JT
C199	LW2-C199-C	1.47 U	2.72 U	2.46 U	1.49 U	1.91 U	0.892 U	1.14 U	1.37 U	1.18 U	2.72 UT
C202	LW2-C202-B	3.59 U	6.65 U	6 U	3.65 U	72.7	212 J	94.5 J	3.35 U	27.1 J	406 JT
C202	LW2-C202-C	1.81 U	3.35 U	3.03 U	1.84 U	45.4 J	47.6 J	84.3 J	1.69 U	192 J	369 JT
C202	LW2-C202-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C203	LW2-C203-B	1.75 U	3.25 U	2.93 U	1.78 U	18.1 J	61.1 J	73.4 J	1.64 U	74.8 J	227 JT
C203	LW2-C203-C	8.69 U	16.1 U	14.5 U	8.83 U	202 J	545 J	149 J	8.11 U	209 J	1110 JT
C203	LW2-C203-E	1.46 U	2.7 U	2.44 U	1.48 U	1.9 U	0.886 U	1.14 U	1.36 U	36.4 J	36.4 JT
C206	LW2-C206-B	11.5 U	21.3 U	19.2 U	11.7 U	131 J	368 J	131 J	10.7 U	38.2	668 JT
C206	LW2-C206-C	1.18 U	2.18 U	1.97 U	1.2 U	1.54 U	0.716 U	0.919 U	1.1 U	0.945 U	2.18 UT
C207-1	LW2-C207-B	1.76 U	3.26 U	2.95 U	1.79 U	18.8 J	50.7 J	98.8 J	1.64 U	474 J	642 JT
C207-2	LW2-C207-B2	1.75 UT	3.23 UT	2.92 UT	1.78 UT	2.92 JT	31.3 JT	18 JT	1.63 UT	180 JT	232 JT
C207-1	LW2-C207-C	1.43 U	2.64 U	2.39 U	1.45 U	1.86 U	0.867 U	1.11 U	1.33 U	1.14 U	2.64 UT
C207-2	LW2-C207-C2	1.47 UT	2.73 UT	2.46 UT	1.5 UT	1.92 UT	0.894 UT	1.15 UT	1.37 UT	1.18 UT	2.73 UT
C207-1	LW2-C207-D	1.57 U	2.9 U	2.62 U	1.59 U	2.04 U	0.953 U	1.22 U	1.46 U	1.26 U	2.9 UT
C210	LW2-C210-B	1.39 U	2.58 U	2.33 U	1.42 U	1.82 U	0.846 U	1.09 U	1.3 U	1.12 U	2.58 UT
C210	LW2-C210-C	1.3 U	2.42 U	2.18 U	1.33 U	1.7 U	0.792 U	1.02 U	1.22 U	1.05 U	2.42 UT
C213	LW2-C213-B	1.27 U	2.34 U	2.12 U	1.29 U	1.65 U	0.769 U	0.987 U	1.18 U	1.02 U	2.34 UT
C213	LW2-C213-C	1.37 U	2.53 U	2.29 U	1.39 U	1.78 U	0.831 U	1.07 U	1.28 U	1.1 U	2.53 UT
C213	LW2-C213-D	1.35 U	2.5 U	2.26 U	1.37 U	1.76 U	0.821 U	1.05 U	1.26 U	1.08 U	2.5 UT
C215	LW2-C215-B	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C215	LW2-C215-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT
C220	LW2-C220-B	1.3 U	2.41 U	2.17 U	1.32 U	1.69 U	0.79 U	1.01 U	1.21 U	1.04 U	2.41 UT
C220	LW2-C220-C	1.41 U	2.6 U	2.35 U	1.43 U	1.83 U	0.854 U	1.1 U	1.31 U	1.13 U	2.6 UT
C221	LW2-C221-B	1.36 U	2.51 U	2.27 U	1.38 U	1.77 U	0.824 U	8.99 J	1.27 U	1.09 U	8.99 JT
C221	LW2-C221-C	1.38 U	2.55 U	2.31 U	1.4 U	1.8 U	0.838 U	1.08 U	1.29 U	1.11 U	2.55 UT
C227	LW2-C227-B	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	21 U	18 J	5.5 U	5.5 U	18 JT
C227	LW2-C227-C	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	45 J	34	5.5 U	5.5 U	79 JT
C228	LW2-C228-B	1.52 UJ	2.82 UJ	2.54 UJ	1.55 UJ	1.98 UJ	21.7 J	14.3 J	1.42 UJ	1.22 UJ	36 JT
C231	LW2-C231-B	1.68 U	3.12 U	2.81 U	1.71 U	2.19 U	1.02 U	2.83 J	1.57 U	3.27 J	6.1 JT
C231	LW2-C231-C	2.76 U	5.12 U	4.62 U	2.81 U	5.54 U	5.54 U	30.5 J	2.58 U	2.22 U	30.5 JT
C232	LW2-C232-B	1.19 U	2.21 U	2 U	1.21 U	1.55 U	0.725 U	0.93 U	1.11 U	0.957 U	2.21 UT
C232	LW2-C232-C	1.35 U	2.5 U	2.26 U	1.37 U	1.76 U	0.82 U	1.05 U	1.26 U	1.08 U	2.5 UT
C240	LW2-C240-B	3.56 UJ	6.59 UJ	5.95 UJ	3.62 UJ	26.5 J	21.8 J	15.3 J	3.32 UJ	2.85 UJ	63.6 JT
C240	LW2-C240-D	16.2 UJ	16.2 UJ	16.2 UJ	16.2 UJ	16.2 UJ	16.2 UJ	39.5 J	16.2 UJ	16.2 UJ	39.5 JT
C240	LW2-C240-E	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJ	3.3 UJT
C244	LW2-C244-B	1.73 U	3.21 U	2.9 U	1.76 U	17.8	80.3 J	34.7	1.62 U	1.39 U	133 JT
C244	LW2-C244-C	2 U	3.7 U	3.34 U	2.03 U	62.8	108 J	48	1.87 U	1.6 U	219 JT
C245	LW2-C245-B	1.7 U	3.4 U	2.84 U	1.73 U	27.7 J	42 J	23.1 J	1.59 U	1.36 U	92.8 JT
C245	LW2-C245-C	1.42 U	2.64 U	2.38 U	1.45 U	1.86 U	0.866 U	1.11 U	1.33 U	1.14 U	2.64 UT
C245	LW2-C245-D	1.67 U	3.09 U	2.79 U	1.7 U	2.17 U	1.01 U	1.3 U	1.56 U	1.34 U	3.09 UT
C245	LW2-C245-E	1.46 U	2.71 U	2.44 U	1.49 U	1.9 U	0.888 U	1.14 U	1.36 U	1.17 U	2.71 UT
C247	LW2-C247-B	1.41 U	2.6 U	2.35 U	1.43 U	1.83 U	0.854 U	1.1 U	1.31 U	1.13 U	2.6 UT
C247	LW2-C247-C	1.34 U	2.48 U	2.24 U	1.36 U	1.74 U	0.812 U	1.04 U	1.25 U	1.07 U	2.48 UT
C247	LW2-C247-D	1.41 U	2.62 U	2.37 U	1.44 U	1.84 U	0.86 U	1.1 U	1.32 U	1.13 U	2.62 UT
C252	LW2-C252-B	1.28 U	2.36 U	2.13 U	1.3 U	1.66 U	0.775 U	0.995 U	1.19 U	1.02 U	2.36 UT
C252	LW2-C252-C	1.66 U	3.08 U	2.78 U	1.69 U	6.76	15.4	2.03 J	1.55 U	1.33 U	24.2 JT
C252	LW2-C252-D	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	8.1 U	13	1.9 U	1.9 U	13 T
C254	LW2-C254-B	2.15 U	3.98 U	3.59 U	2.18 U	25.1 J	137 J	63.2 J	2 U	1.72 U	225 JT
C254	LW2-C254-C	1.09 U	2.02 U	1.83 U	1.11 U	1.42 U	0.663 U	0.851 U	1.02 U	0.875 U	2.02 UT
C255	LW2-C255-B	1.26 U	2.33 U	2.11 U	1.28 U	1.64 U	0.766 U	0.983 U	1.18 U	1.01 U	2.33 UT
C255	LW2-C255-C	1.17 U	2.16 U	1.95 U	1.19 U	1.52 U	0.709 U	0.91 U	1.09 U	0.935 U	2.16 UT
C257	LW2-C257-B	3.83 U	7.09 U	6.4 U	3.89 U	131	141 J	83.5 J	3.57 U	3.07 U	356 JT
C258	LW2-C258-B	1.36 U	2.51 U	2.27 U	1.38 U	1.77 U	0.825 U	1.06 U	1.27 U	1.09 U	2.51 UT
C258	LW2-C258-C	1.33 UJ	2.46 UJ	2.23 UJ	1.35 UJ	1.73 UJ	0.808 UJ	2.45 J	1.24 UJ	1.07 UJ	2.45 JT
C260	LW2-C260-B	1.26 U	2.34 U	2.11 U	1.28 U	1.64 U	0.766 U	0.983 U	1.18 U	1.01 U	2.34 UT
C260	LW2-C260-C	3.2 U	6.4 U	5.35 U	3.25 U	4.17 U	1.94 U	2.49 U	2.99 U	2.56 U	6.4 UT
C263	LW2-C263-B	12.2 U	22.5 U	20.4 U	12.4 U	15.9 U	7.39 U	164	11.4 U	9.76 U	164 T
C263	LW2-C263-C	16 U	18 U	47 U	18 U	9.9 U	22 U	44 U	33 U	15 U	47 UT
C263	LW2-C263-D	3.68 U	7.36 U	6.15 U	3.74 U	4.79 U	7.36 U	2.87 U	3.43 U	2.95 U	7.36 UT
C264	LW2-C264-B	17.1 UJ	31.7 UJ	28.7 UJ	17.4 UJ	22.3 UJ	10.4 UJ	13.4 UJ	16 UJ	13.7 UJ	31.7 UJT
C264	LW2-C264-C	1.53 UJ	2.83 UJ	2.56 UJ	1.55 UJ	20.7 J	29.1 J	1.19 UJ	1.43 UJ	1.23 UJ	49.8 JT
C264	LW2-C264-D	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C266	LW2-C266-B	1.16 U	2.15 U	1.94 U	1.18 U	1.51 U	0.704 U	0.904 U	1.08 U	0.93 U	2.15 UT
C266	LW2-C266-C	1.6 U	2.96 U	2.67 U	1.62 U	55.2 J	16.9	7.37	1.49 U	1.28 U	79.5 JT
C267	LW2-C267-B	1.79 U	3.31 U	2.99 U	1.82 U	26 J	69.1	48.3 J	1.67 U	1.43 U	143 JT
C267	LW2-C267-C	1.14 U	2.11 U	1.9 U	1.16 U	1.48 U	0.691 U	0.887 U	1.06 U	0.912 U	2.11 UT
C268	LW2-C268-B	1.28 U	2.38 U	2.15 U	1.31 U	1.67 U	0.781 U	1 U	1.2 U	1.03 U	2.38 UT
C268	LW2-C268-C	1.09 U	2.02 U	1.82 U	1.11 U	1.42 U	0.662 U	0.85 U	1.02 U	0.874 U	2.02 UT
C269	LW2-C269-B	3.84 U	7.11 U	6.42 U	3.91 U	7.69 U	7.69 U	20.9	3.59 U	3.08 U	20.9 T
C269	LW2-C269-C	3.54 U	6.55 U	5.92 U	3.6 U	7.08 U	126 J	92.7 J	3.3 U	2.84 U	219 JT
C269	LW2-C269-D	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	180 U	47 U	4.6 U	4.6 U	180 UT
C269	LW2-C269-F	1.6 U	2.95 U	2.67 U	1.62 U	2.08 U	0.969 U	1.24 U	1.49 U	1.28 U	2.95 UT
C270	LW2-C270-B	184 UJ	184 UJ	184 UJ	184 UJ	184 UJ	184 UJ	184 UJ	184 UJ	184 UJ	184 UJT
C270	LW2-C270-C	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJ	23.7 UJT
C272	LW2-C272-B	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJT
C272	LW2-C272-C	1.15 UJ	2.13 UJ	1.93 UJ	1.17 UJ	1.5 UJ	2.31 UJ	2.31 UJ	2.31 UJ	2.31 UJ	2.31 UJT
C273	LW2-C273-B	1.93 UJ	3.57 UJ	3.22 UJ	1.96 UJ	2.51 UJ	1.17 UJ	1.5 UJ	1.8 UJ	1.55 UJ	3.57 UJT
C273	LW2-C273-C	1.66 U	3.08 U	2.78 U	1.69 U	2.16 U	1.01 U	1.3 U	1.55 U	1.33 U	3.08 UT
C276	LW2-C276-B	3.71 U	7.44 U	6.21 U	3.78 U	82.3 J	104 J	66.9 J	3.47 U	2.98 U	253 JT
C276	LW2-C276-C	1.4 UJ	2.81 UJ	2.35 UJ	1.43 UJ	1.83 UJ	0.852 UJ	1.09 UJ	1.31 UJ	1.12 UJ	2.81 UJT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C277	LW2-C277-B	2.01 U	3.73 U	3.37 U	2.05 U	42.1 J	97.8 J	70.4 J	1.88 U	1.61 U	210 JT
C277	LW2-C277-C	1.8 U	3.34 U	3.02 U	1.84 U	67 J	112 J	87.7 J	1.69 U	1.45 U	267 JT
C277	LW2-C277-D	3.51 U	6.5 U	5.87 U	3.57 U	84.9 J	163 J	97.1 J	3.28 U	2.81 U	345 JT
C278	LW2-C278-B	1.96 UJ	3.64 UJ	3.29 UJ	2 UJ	2.56 UJ	36.1 J	21.4 J	1.83 UJ	1.58 UJ	57.5 JT
C278	LW2-C278-C	1.66 UJ	3.31 UJ	2.77 UJ	1.68 UJ	2.16 UJ	43.6 J	27.3 J	1.55 UJ	1.33 UJ	70.9 JT
C278	LW2-C278-D	1.35 U	2.7 U	2.26 U	1.37 U	1.76 U	0.82 U	1.05 U	1.26 U	1.08 U	2.7 UT
C280	LW2-C280-B	1.78 U	3.3 U	2.98 U	1.81 U	2.32 U	1.08 U	1.39 U	1.66 U	1.43 U	3.3 UT
C280	LW2-C280-C	1.54 U	2.85 U	2.58 U	1.57 U	2.01 U	0.937 U	1.2 U	1.44 U	1.24 U	2.85 UT
C280	LW2-C280-D	1.36 U	2.53 U	2.28 U	1.39 U	1.78 U	0.829 U	1.06 U	1.27 U	1.09 U	2.53 UT
C282	LW2-C282-B	1.18 U	2.19 U	1.97 U	1.2 U	1.54 U	0.717 U	0.921 U	1.1 U	0.947 U	2.19 UT
C282	LW2-C282-C	1.15 U	2.13 U	1.93 U	1.17 U	1.5 U	0.7 U	0.898 U	1.08 U	0.923 U	2.13 UT
C282	LW2-C282-D	1.22 U	2.27 U	2.05 U	1.25 U	1.6 U	0.744 U	0.955 U	1.14 U	0.982 U	2.27 UT
C283	LW2-C283-B	7.33 U	13.6 U	12.3 U	7.46 U	9.56 U	14.7 UJ	105 J	6.85 U	5.88 U	105 JT
C283	LW2-C283-C	1.58 U	2.93 U	2.65 U	1.61 U	2.06 U	0.961 U	1.23 U	1.48 U	1.27 U	2.93 UT
C283	LW2-C283-E	1.35 UJ	2.5 UJ	2.26 UJ	1.37 UJ	1.76 UJ	0.821 UJ	1.05 UJ	1.26 UJ	1.08 UJ	2.5 UJT
C284	LW2-C284-B	1.93 UJ	3.58 UJ	3.23 UJ	1.96 UJ	36.1 J	57.4 J	34.4 J	1.8 UJ	1.55 UJ	128 JT
C284	LW2-C284-C	3.09 UJ	6.2 UJ	5.18 UJ	3.15 UJ	4.03 UJ	1.88 UJ	2.41 UJ	2.89 UJ	2.48 UJ	6.2 UJT
C284	LW2-C284-D	1.35 U	2.5 U	2.26 U	1.37 U	1.76 U	0.82 U	1.05 U	1.26 U	1.08 U	2.5 UT
C288	LW2-C288-B	1.92 UJ	3.56 UJ	3.22 UJ	1.96 UJ	12.6 J	26.5 J	20.5 J	1.8 UJ	1.54 UJ	59.6 JT
C288	LW2-C288-C	1.79 U	3.32 U	3 U	1.82 U	2.33 U	1.09 U	1.4 U	1.67 U	1.44 U	3.32 UT
C288	LW2-C288-D	1.67 U	3.09 U	2.79 U	1.7 U	2.18 U	1.01 U	1.3 U	1.56 U	1.34 U	3.09 UT
C290	LW2-C290-B	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	6.7 U	9.9			9.9 JT
C290	LW2-C290-D	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U			2.2 UT
C291	LW2-C291-B	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	19	17			36 JT
C291	LW2-C291-C	3 U	3 U	3 U	3 U	3 U	66	120			186 JT
C293-1	LW2-C293-B	2.18 U	4.04 U	3.64 U	2.22 U	77.4 J	105	144 J	2.03 U	1.75 U	326 JT
C293-2	LW2-C293-B2	4.1 U	7.6 U	6.86 U	4.17 U	72.7 J	188 J	142 J	3.83 U	3.29 U	403 JT
C293-1	LW2-C293-C	1.85 U	3.43 U	3.1 U	1.89 U	21.3 J	164 J	159 J	1.73 U	1.49 U	344 JT
C293-2	LW2-C293-C2	1.82 U	3.37 U	3.04 U	1.85 U	2.37 U	1.1 U	1.42 U	1.7 U	1.46 U	3.37 UT
C293-1	LW2-C293-D	1.71 U	3.16 U	2.86 U	1.74 U	2.22 U	1.04 U	1.33 U	1.59 U	1.37 U	3.16 UT
C294	LW2-C294-B	1.76 UJ	3.52 UJ	2.94 UJ	1.79 UJ	2.29 UJ	1.07 UJ	38.8 J	1.64 UJ	1.41 UJ	38.8 JT
C294	LW2-C294-C	1.72 U	3.18 U	2.88 U	1.75 U	2.24 U	1.04 U	1.34 U	1.61 U	1.38 U	3.18 UT
C294	LW2-C294-D	1.49 U	2.77 U	2.5 U	1.52 U	1.95 U	0.907 U	1.16 U	1.39 U	1.2 U	2.77 UT
C295	LW2-C295-B	1.99 U	3.68 U	3.33 U	2.02 U	30.5 J	67.5	43.1 J	1.86 U	1.59 U	141 JT
C295	LW2-C295-C	14.4 U	26.7 U	24.2 U	14.7 U	18.8 U	8.78 U	85.7 J	13.5 U	11.6 U	85.7 JT
C296	LW2-C296-B	2.2 UJ	2.2 UJ	2.2 UJ	2.2 UJ	24 J	45 J	50 J	2.2 UJ	2.2 UJ	119 JT
C296	LW2-C296-C	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJT
C299	LW2-C299-C	480 U	580 U	340 U	260 U	160 U	320 U	230 U	50 U	50 U	580 UT
C300-2	LW2-C300-B	2.1 U	2.1 U	2.1 U	2.1 U	57	75 J	72	2.1 U	2.1 U	204 JT
C300-2	LW2-C300-D	1.5 U	1.5 U	1.5 U	1.5 U	8.5 NJ	19	21	1.5 U	1.5 U	48.5 JT
C301	LW2-C301-B	5.01 U	9.27 U	8.38 U	5.09 U	6.53 U	10 UJ	3.9 U	4.68 U	4.02 U	10 UJT
C301	LW2-C301-C	13.9 U	25.7 U	23.2 U	14.1 U	18.1 U	8.43 U	10.8 U	13 U	11.1 U	25.7 UT
C301	LW2-C301-D	1.29 U	2.39 U	2.16 U	1.31 U	1.68 U	0.785 U	1.01 U	1.21 U	1.04 U	2.39 UT
C301	LW2-C301-E	6.8 U	12.6 U	11.4 U	6.92 U	8.87 U	4.13 U	5.3 U	6.35 U	5.45 U	12.6 UT
C301	LW2-C301-G	1.56 U	2.89 U	2.61 U	1.59 U	2.03 U	0.948 U	1.22 U	1.46 U	1.25 U	2.89 UT
C302	LW2-C302-B	20.1 UJ	20.1 UJ	20.1 UJ	20.1 UJ	120 J	20.1 UJ	98.8 J	20.1 UJ	20.1 UJ	219 JT
C302	LW2-C302-C	846 UJ	846 UJ	846 UJ	846 UJ	846 UJ	846 UJ	846 UJ	846 UJ	846 UJ	846 UJT
C302	LW2-C302-D	89 U	260 U	240 U	110 U	81 U	79 U	64 U	22 U	22 U	260 UT
C303	LW2-C303-B	5.5 U	5.5 U	5.5 U	5.5 U	25	68	70	5.5 U	5.5 U	163 T
C303	LW2-C303-C	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJT
C305-1	LW2-C305-B1	5.16 U	10.3 U	8.63 U	5.25 U	38 J	82.9 J	48.7 J	4.82 U	4.14 U	170 JT
C305-2	LW2-C305-B2	1.65 UJ	3.05 UJ	2.75 UJ	1.67 UJ	20.8 J	50.5 J	27.3 J	1.54 UJ	1.32 UJ	98.6 JT
C305-1	LW2-C305-C1	1.38 U	2.77 U	2.31 U	1.4 U	1.8 U	0.839 U	1.08 U	1.29 U	1.11 U	2.77 UT
C305-2	LW2-C305-C2	1.62 U	3 U	2.71 U	1.65 U	5.99 J	62.5 J	42.7 J	1.52 U	1.3 U	111 JT
C305-1	LW2-C305-D1	1.33 U	2.47 U	2.23 U	1.35 U	1.74 U	0.809 U	1.04 U	1.24 U	1.07 U	2.47 UT
C305-2	LW2-C305-D2	1.25 U	2.51 U	2.09 U	1.27 U	1.63 U	0.76 U	0.976 U	1.17 U	1 U	2.51 UT
C311	LW2-C311-B	1.78 U	3.3 U	2.98 U	1.81 U	2.32 U	3.57 U	24.1 J	1.67 U	1.43 U	24.1 JT
C311	LW2-C311-C	1.79 U	3.32 U	3 U	1.83 U	2.34 U	1.09 U	1.4 U	1.68 U	1.44 U	3.32 UT
C311	LW2-C311-E	1.54 U	2.85 U	2.57 U	1.56 U	2 U	0.935 U	1.2 U	1.44 U	1.23 U	2.85 UT
C312	LW2-C312-B	5.3 U	11 U	8.1 U	6.7 U	8.5 U	6.5 U	19 U	1.6 U	1.6 U	19 UT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C312	LW2-C312-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT
C313	LW2-C313-B	1.34 U	2.48 U	2.24 U	1.36 U	1.9 J	0.814 U	1.04 U	1.25 U	1.07 U	1.9 JT
C313	LW2-C313-C	1.44 U	2.67 U	2.41 U	1.47 U	1.88 U	0.876 U	1.12 U	1.35 U	1.16 U	2.67 UT
C314	LW2-C314-B	2.06 U	3.81 U	3.44 U	2.09 U	38.3	51.5	32.8 J	1.92 U	1.65 U	123 JT
C314	LW2-C314-C	1.77 U	3.28 U	2.96 U	1.8 U	30.5 J	77.3 J	40	1.65 U	1.42 U	148 JT
C314	LW2-C314-D	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	90 U	15 U	1.6 U	1.6 U	90 UT
C316	LW2-C316-B	1.67 UJ	3.09 UJ	2.79 UJ	1.7 UJ	36.4 J	44.8 J	27.3 J	1.56 UJ	1.34 UJ	109 JT
C316	LW2-C316-C	1.68 U	3.36 U	2.81 U	1.71 U	130 J	138 J	53.7 J	1.57 U	1.35 U	322 JT
C316	LW2-C316-D	1.68 U	3.12 U	2.82 U	1.71 U	2.2 U	1.02 U	75.2 J	1.57 U	1.35 U	75.2 JT
C321	LW2-C321-B1	1.6 U	1.6 U	1.6 U	1.6 U	17 J	27 J	22	1.6 U	1.6 U	66 JT
C321-2	LW2-C321-B2	1.6 U	1.6 U	1.6 U	1.6 U	21	44 J	38	1.6 U	1.6 U	103 JT
C321	LW2-C321-C1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C321-2	LW2-C321-C2	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C321-2	LW2-C321-E2	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT
C323	LW2-C323-B	3.01 U	5.57 U	5.03 U	3.06 U	38.5 J	104 J	98.8 J	2.81 U	2.41 U	241 JT
C323	LW2-C323-C	1.41 U	2.61 U	2.35 U	1.43 U	12.3 J	20.1 J	20.8 J	1.31 U	1.13 U	53.2 JT
C323	LW2-C323-D	1.32 U	2.44 U	2.21 U	1.34 U	8.41	19.3	9.26	1.23 U	1.06 U	37 T
C324	LW2-C324-B	1.48 U	2.74 U	2.48 U	1.51 U	41.2	60.4	46.9 J	1.38 U	1.19 U	149 JT
C324	LW2-C324-D	1.41 U	2.62 U	2.36 U	1.44 U	8.52 J	37.1	24.1 J	1.32 U	1.13 U	69.7 JT
C324	LW2-C324-E	1.53 U	2.83 U	2.56 U	1.55 U	24.6	75.4	53.9	1.43 U	1.23 U	154 T
C326	LW2-C326-B	1.84 U	3.41 U	3.08 U	1.87 U	70.2	94.9	64.2 J	1.72 U	1.48 U	229 JT
C326	LW2-C326-C	1.27 U	2.35 U	2.12 U	1.29 U	1.65 U	1.84 J	0.989 U	1.18 U	1.02 U	1.84 JT
C327	LW2-C327-B	1.29 U	2.4 U	2.17 U	1.32 U	13.5 J	36.7	23.9 J	1.21 U	1.04 U	74.1 JT
C327	LW2-C327-C	1.4 U	2.6 U	2.35 U	1.43 U	45.5 J	121	44.8 J	1.31 U	1.12 U	211 JT
C327	LW2-C327-D	1.6 U	1.6 U	1.6 U	1.6 U	18 J	13 U	15	1.6 U	1.6 U	33 JT
C329	LW2-C329-B	1.33 U	2.47 U	2.23 U	1.36 U	1.74 U	13.9 J	5.64 J	1.24 U	1.07 U	19.5 JT
C329	LW2-C329-C	4.38 U	8.11 U	7.33 U	4.45 U	52.9 J	119	20.7	4.09 U	3.51 U	193 JT
C329	LW2-C329-D	1.37 U	2.53 U	2.29 U	1.39 U	1.78 U	0.831 U	1.07 U	1.28 U	1.1 U	2.53 UT
C331	LW2-C331-B	1.22 U	2.26 U	2.04 U	1.24 U	1.59 U	6.6	5.29 NJ	1.14 U	0.98 U	11.9 JT
C331	LW2-C331-C	1.31 U	2.43 U	2.2 U	1.33 U	1.71 U	0.797 U	1.02 U	1.23 U	1.05 U	2.43 UT
C331	LW2-C331-D	1.39 U	2.57 U	2.33 U	1.41 U	1.81 U	0.845 U	1.08 U	1.3 U	1.11 U	2.57 UT
C331	LW2-C331-E	1.41 U	2.6 U	2.35 U	1.43 U	1.83 U	0.854 U	1.1 U	1.31 U	1.13 U	2.6 UT
C332	LW2-C332-B	1.88 UJ	3.47 UJ	3.14 UJ	1.91 UJ	2.44 UJ	1.14 UJ	1.46 UJ	1.75 UJ	1.5 UJ	3.47 UJT
C332	LW2-C332-C	1.28 U	2.37 U	2.14 U	1.3 U	1.67 U	0.777 U	0.998 U	1.19 U	1.03 U	2.37 UT
C333	LW2-C333-B	1.41 UJ	2.62 UJ	2.36 UJ	1.44 UJ	1.84 U	0.858 U	1.1 U	1.32 U	1.13 U	2.62 UJT
C333	LW2-C333-C	1.25 U	2.31 U	2.09 U	1.27 U	1.63 U	0.759 U	0.974 U	1.17 U	1 U	2.31 UT
C333	LW2-C333-E	1.43 U	2.64 U	2.39 U	1.45 U	1.86 U	0.867 U	1.11 U	1.33 U	1.14 U	2.64 UT
C334	LW2-C334-B	1.79 U	3.31 U	2.99 U	1.82 U	2.33 U	1.09 U	1.4 U	1.67 U	1.43 U	3.31 UT
C334	LW2-C334-C	1.38 U	2.55 U	2.31 U	1.4 U	1.8 U	0.838 U	1.08 U	1.29 U	1.11 U	2.55 UT
C335	LW2-C335-B	1.33 U	2.65 UJ	2.22 U	1.35 U	1.73 U	0.806 U	1.03 U	1.24 U	1.06 U	2.65 UJT
C335	LW2-C335-C	1.11 U	2.05 U	1.85 U	1.12 U	1.44 U	0.672 U	0.862 U	1.03 U	0.887 U	2.05 UT
C342	LW2-C342-B	1.93 U	3.58 U	3.23 U	1.97 U	20	96.3 J	44.8 J	1.8 U	1.55 U	161 JT
C342	LW2-C342-C	3.41 U	6.32 U	5.71 U	3.47 U	52	128 J	81.7 J	3.19 U	2.74 U	262 JT
C342	LW2-C342-D	1.37 U	2.54 U	2.29 U	1.39 U	1.79 U	0.833 U	1.07 U	1.28 U	1.1 U	2.54 UT
C346	LW2-C346-B	1.59 UJ	2.94 UJ	2.65 UJ	1.61 UJ	2.07 UJ	15.6 J	8.82 J	1.48 UJ	1.27 UJ	24.4 JT
C346	LW2-C346-C	1.59 U	2.95 U	2.66 U	1.62 U	2.07 U	0.966 U	1.24 U	1.49 U	1.28 U	2.95 UT
C347	LW2-C347-B	2.22 U	4.11 U	3.71 U	2.26 U	2.89 U	29.1	22.8	2.07 U	1.78 U	51.9 T
C347	LW2-C347-C	1.91 U	3.53 U	3.19 U	1.94 U	61	116 J	76.9 J	1.78 U	1.53 U	254 JT
C347	LW2-C347-E	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C347	LW2-C347-F	1.48 U	2.74 U	2.47 U	1.5 U	1.93 U	0.898 U	1.15 U	1.38 U	1.18 U	2.74 UT
C348	LW2-C348-B	35.8 U	71.7 U	59.9 U	36.4 U	46.7 U	21.7 U	27.9 U	33.4 U	28.7 U	71.7 UT
C348	LW2-C348-C	1.76 U	3.26 U	2.94 U	1.79 U	3.52 U	3.52 U	1.37 U	1.64 U	1.41 U	3.52 UT
C348	LW2-C348-D	1.3 U	2.4 U	2.17 U	1.32 U	1.69 U	2.59 U	1.01 U	1.21 U	1.04 U	2.59 UT
C351	LW2-C351-B	1.92 U	3.56 U	3.21 U	1.95 U	3.85 U	3.85 U	47.3 J	1.79 U	1.54 U	47.3 JT
C351	LW2-C351-C	1.26 U	2.32 U	2.1 U	1.28 U	1.64 U	0.763 U	0.979 U	1.17 U	1.01 U	2.32 UT
C351	LW2-C351-D	1.28 U	2.37 U	2.14 U	1.3 U	1.66 U	0.776 U	0.996 U	1.19 U	1.02 U	2.37 UT
C351	LW2-C351-E	1.27 U	2.35 U	2.12 U	1.29 U	1.65 U	0.771 U	0.99 U	1.19 U	1.02 U	2.35 UT
C352	LW2-C352-B	1.84 U	3.41 U	3.08 U	1.87 U	2.4 U	1.12 U	1.44 U	1.72 U	1.48 U	3.41 UT
C352	LW2-C352-C	1.71 U	3.17 U	2.86 U	1.74 U	33.7	72.8 J	49.1 J	1.6 U	1.37 U	156 JT
C352	LW2-C352-D	1.19 U	2.2 U	1.98 U	1.21 U	1.55 U	4.45 J	0.925 U	1.11 U	0.951 U	4.45 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C356	LW2-C356-B	22 U	22 U	22 U	22 U	520	460 NJ	200 J	22 U	22 U	1180 JT
C356	LW2-C356-D	2000 U	2000 U	2000 U	2000 U	2000 U	18000 U	2000 U	2000 U	2000 U	18000 UT
C358	LW2-C358-B	7.9 U	6.6 U	8.9 U	5 U	9.7 U	18 U	18	2.2 U	2.2 U	18 T
C358	LW2-C358-C	2 U	2 U	2 U	2 U	39	57 J	39	2 U	2 U	135 JT
C358	LW2-C358-D	33 U	21 U	38 U	42 U	37 U	38 U	44 U	32 U	10 U	44 UT
C359	LW2-C359-B	1.82 U	3.37 U	3.04 U	1.85 U	2.37 U	18.5	9.89 J	1.7 U	1.46 U	28.4 JT
C359	LW2-C359-C	1.81 U	3.35 U	3.02 U	1.84 U	48.5 J	48.5	28.1 J	1.69 U	1.45 U	125 JT
C359	LW2-C359-D	3.35 UJ	6.2 UJ	5.6 UJ	3.41 UJ	4.37 UJ	2.04 UJ	94.4 J	3.13 UJ	2.69 UJ	94.4 JT
C360	LW2-C360-B1	23 U	78 U	34 U	23 U	38 U	45 U	46 U	23 U	23 U	78 UT
C360-2	LW2-C360-B2	27 UT	54 UT	33 UT	25 UT	37 UT	41 UT	92 UT	27 UT	24 UT	92 UT
C360	LW2-C360-C1	150 U	86 U	170 U	110 U	140 U	110 U	110 U	79 U	31 U	170 UT
C360-2	LW2-C360-C2	150 U	76 U	200 U	110 U	150 U	130 U	110 U	79 U	24 U	200 UT
C361	LW2-C361-B	1.9 U	1.9 U	1.9 U	22	1.9 U	47 J	45	1.9 U	1.9 U	114 JT
C362	LW2-C362-B	1.85 U	3.43 U	3.1 U	1.89 U	2.42 U	1.13 U	1.45 U	1.73 U	1.49 U	3.43 UT
C362	LW2-C362-C	1.76 U	3.26 U	2.95 U	1.79 U	24 J	24.9 J	7.71	1.65 U	1.41 U	56.6 JT
C362	LW2-C362-D	1.81 U	3.62 U	3.02 U	1.84 U	2.35 U	1.1 U	1.41 U	1.69 U	1.45 U	3.62 UT
C364	LW2-C364-B	5.44 UJ	10.1 UJ	9.1 UJ	5.53 UJ	15 J	230 J	131 J	5.08 UJ	4.36 UJ	376 JT
C364	LW2-C364-C	1.58 U	2.93 U	2.65 U	1.61 U	2.07 U	0.963 U	1.24 U	1.48 U	1.27 U	2.93 UT
C366-1	LW2-C366-B1	1.89 UT	3.78 UT	3.16 UT	1.92 UT	2.46 UT	3.78 UT	34.4 JT	1.76 UT	1.51 UT	34.4 JT
C366-2	LW2-C366-B2	9.59 U	17.8 U	16 U	9.75 U	12.5 U	5.82 U	7.48 U	8.95 U	7.69 U	17.8 UT
C366-1	LW2-C366-C1	1.74 UT	3.22 UT	2.91 UT	1.77 UT	3.48 UT	121 JT	72.3 JT	1.63 UT	1.4 UT	193 JT
C366-2	LW2-C366-C2	6.95 U	12.9 U	11.6 U	7.07 U	9.06 U	4.22 U	26.2 J	6.49 U	5.57 U	26.2 JT
C366-1	LW2-C366-D1	1.23 UT	2.29 UT	2.06 UT	1.26 UT	1.61 UT	50.4 JT	16.2 T	1.15 UT	0.989 UT	66.6 JT
C366-2	LW2-C366-D2	7.45 U	13.8 U	12.5 U	7.57 U	9.71 U	4.52 U	41 J	6.95 U	5.97 U	41 JT
C366-1	LW2-C366-E1	1.45 UT	2.68 UT	2.42 UT	1.47 UT	111 JT	54.3 JT	21.9 T	1.35 UT	1.16 UT	187 JT
C366-1	LW2-C366-F1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C366-2	LW2-C366-F2	1.31 U	2.43 U	2.2 U	1.34 U	1.71 U	0.798 U	1.02 U	1.23 U	1.05 U	2.43 UT
C366-1	LW2-C366-G1	1.35 UT	2.51 UT	2.26 UT	1.38 UT	689 JT	87.5 JT	55.6 JT	1.26 UT	1.08 UT	832 JT
C368	LW2-C368-B	19.5 U	36.1 U	32.6 U	19.8 U	25.4 U	11.9 U	15.2 U	18.2 U	15.6 U	36.1 UT
C368	LW2-C368-C	5.93 U	11 U	9.92 U	6.03 U	7.73 U	46 J	63 J	5.54 U	32.9 J	142 JT
C368	LW2-C368-D	1.28 U	2.37 U	2.14 U	1.3 U	1.67 U	0.777 U	0.997 U	1.19 U	1.02 U	2.37 UT
C368	LW2-C368-E	2.52 U	4.67 U	4.22 U	2.56 U	3.28 U	1.53 U	1.97 U	2.35 U	2.02 U	4.67 UT
C371	LW2-C371-B	7.68 U	14.2 U	12.8 U	7.81 U	297	114	35	7.17 U	6.16 U	446 T
C371	LW2-C371-C	1.29 U	2.4 U	2.16 U	1.32 U	11	7.4 J	2.49 J	1.21 U	1.04 U	20.9 JT
C371	LW2-C371-E	1.25 U	2.32 U	2.1 U	1.28 U	1.63 U	0.762 U	0.978 U	1.17 U	1.01 U	2.32 UT
C372	LW2-C372-B	1.58 U	2.92 U	2.64 U	1.6 U	2.4 J	109 J	65.2 J	1.47 U	1.26 U	177 JT
C372	LW2-C372-C	1.39 U	2.57 U	2.33 U	1.41 U	1.81 U	21.6	15.5	1.3 U	1.11 U	37.1 T
C372	LW2-C372-E	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U			2.8 UT
C373	LW2-C373-B	1.81 U	3.35 U	3.02 U	1.84 U	2.36 U	7.96 J	1.41 U	1.69 U	1.45 U	7.96 JT
C373	LW2-C373-C	1.92 U	3.55 U	3.21 U	1.95 U	7.06	21.8 J	11.9 J	1.79 U	1.54 U	40.8 JT
C373	LW2-C373-D	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	30 J	33 J	1.9 U	1.9 U	63 JT
C377	LW2-C377-B	1.64 U	3.04 U	2.75 U	1.67 U	13.9 J	12.7 J	7.06 J	1.53 U	1.32 U	33.7 JT
C377	LW2-C377-C	3.51 U	6.5 U	5.87 U	3.57 U	139	84	43.7	3.28 U	2.81 U	267 T
C377	LW2-C377-E	1.53 U	2.83 U	2.56 U	1.56 U	1.99 U	0.93 U	26.6	1.43 U	1.23 U	26.6 T
C379	LW2-C379-B	8.1 U	15 U	13.6 U	8.24 U	135 J	518 J	255 J	7.57 U	6.5 U	908 JT
C379	LW2-C379-C	5.1 U	9.45 U	8.53 U	5.19 U	56.2 J	253 J	116 J	4.76 U	4.09 U	425 JT
C379	LW2-C379-D	1.45 U	2.68 U	2.42 U	1.47 U	1.89 U	0.879 U	1.13 U	1.35 U	1.16 U	2.68 UT
C380	LW2-C380-B	1.6 U	2.96 U	2.68 U	1.63 U	2.09 U	0.973 U	1.25 U	1.5 U	1.28 U	2.96 UT
C380	LW2-C380-C	1.58 U	2.93 U	2.65 U	1.61 U	2.06 U	0.961 U	1.23 U	1.48 U	1.27 U	2.93 UT
C381	LW2-C381-B	1.9 U	1.9 U	1.9 U	1.9 U	10	21 J	14	1.9 U	1.9 U	45 JT
C381	LW2-C381-C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UT
C381	LW2-C381-E	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C382	LW2-C382-B	16.2 U	29.9 U	27 U	16.4 U	180	783	380 J	15.1 U	13 U	1340 JT
C382	LW2-C382-C	1.47 U	2.72 U	2.46 U	1.49 U	1.92 U	0.893 U	1.15 U	1.37 U	1.18 U	2.72 UT
C383	LW2-C383-B	6.06 U	11.2 U	10.1 U	6.16 U	7.9 U	3.68 U	204	5.66 U	4.86 U	204 T
C383	LW2-C383-C	1.52 U	2.81 U	2.54 U	1.54 U	1.98 U	0.923 U	1.18 U	1.42 U	1.22 U	2.81 UT
C384	LW2-C384-B	36.6 U	67.7 U	61.1 U	37.2 U	517 J	2220 J	1100 J	34.1 U	29.3 U	3840 JT
C384	LW2-C384-C	1.23 U	2.27 U	2.05 U	1.25 U	13.1 J	38.1 J	8.91 J	1.15 U	0.984 U	60.1 JT
C384	LW2-C384-E	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U			2.2 UT
C386	LW2-C386-B	1.66 U	3.07 U	2.77 U	1.69 U	32.8 J	78.8	53.2 J	1.55 U	1.33 U	165 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C386	LW2-C386-C	1.14 U	2.11 U	1.9 U	1.16 U	1.48 U	0.692 U	0.888 U	1.06 U	0.913 U	2.11 UT
C388	LW2-C388-B	1.57 U	2.91 U	2.63 U	1.6 U	2.05 U	0.955 U	1.23 U	1.47 U	1.26 U	2.91 UT
C388	LW2-C388-C	1.62 U	3 U	2.71 U	1.65 U	2.11 U	0.985 U	1.26 U	1.51 U	1.3 U	3 UT
C392	LW2-C392-B	12.5 U	23.2 U	20.9 U	12.7 U	198 J	539	106	11.7 U	10 U	843 JT
C392	LW2-C392-C	1.31 U	2.43 U	2.19 U	1.33 U	7.06 J	31.4	17 J	1.22 U	1.05 U	55.5 JT
C392	LW2-C392-D	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	7.8	12			19.8 JT
C393	LW2-C393-B	10.1 U	18.7 U	16.9 U	10.3 U	95.1	664 J	458 J	9.42 U	8.09 U	1220 JT
C393	LW2-C393-C	1.23 U	2.28 U	2.06 U	1.25 U	1.6 U	0.748 U	0.959 U	1.15 U	0.986 U	2.28 UT
C396	LW2-C396-B	1.49 U	2.75 U	2.48 U	1.51 U	1.94 U	0.902 U	1.16 U	1.39 U	1.19 U	2.75 UT
C396	LW2-C396-C	1.67 U	3.09 U	2.79 U	1.69 U	2.17 U	1.01 U	1.3 U	1.56 U	1.34 U	3.09 UT
C397	LW2-C397-B	4.24 UJ	7.84 UJ	7.08 UJ	4.31 UJ	85 J	289 J	194 J	3.96 UJ	3.4 UJ	568 JT
C397	LW2-C397-C	5.76 U	10.7 U	9.64 U	5.86 U	98.6	234	262 J	5.38 U	4.62 U	595 JT
C397	LW2-C397-D	5.64 U	10.4 U	9.44 U	5.74 U	7.35 U	210	174	5.27 U	4.52 U	384 T
C400	LW2-C400-B	1.81 U	3.35 U	3.02 U	1.84 U	2.48 J	12.7 J	3.4 J	1.69 U	1.45 U	18.6 JT
C400	LW2-C400-C	1.85 U	3.44 U	3.1 U	1.89 U	9.43	18.5 J	13.6	1.73 U	1.49 U	41.5 JT
C400	LW2-C400-D	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	93			93 JT
C401	LW2-C401-B	1.48 U	2.74 U	2.48 U	1.51 U	15.3	14.6	16.3 J	1.38 U	1.19 U	46.2 JT
C401	LW2-C401-C	1.29 U	2.38 U	2.15 U	1.31 U	11.6 J	14.3 J	5.04 J	1.2 U	1.03 U	30.9 JT
C401	LW2-C401-D	5.05 U	9.35 U	8.44 U	5.13 U	143 J	97 J	44.1 J	4.71 U	4.05 U	284 JT
C401	LW2-C401-E	14.4 U	26.7 U	24.1 U	14.7 U	565	194	53.1	13.5 U	11.6 U	812 T
C401	LW2-C401-F	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 UT
C402	LW2-C402-B	2.28 U	4.22 U	3.81 U	2.32 U	80.2 J	258 J	78.4 J	2.13 U	1.83 U	417 JT
C402	LW2-C402-C	1.22 U	2.26 U	2.04 U	1.24 U	1.59 U	6.24 J	0.953 U	1.14 U	0.979 U	6.24 JT
C403	LW2-C403-B	1.27 U	2.35 U	2.12 U	1.29 U	1.65 U	3.82 J	1.78 J	1.19 U	1.02 U	5.6 JT
C403	LW2-C403-C	1.31 U	2.42 U	2.19 U	1.33 U	1.71 U	0.796 U	1.02 U	1.22 U	1.05 U	2.42 UT
C403	LW2-C403-D	1.49 U	2.76 U	2.49 U	1.52 U	1.94 U	0.906	1.16 U	1.39 U	1.2 U	0.906 T
C405	LW2-C405-B	4.25 UJ	7.86 UJ	7.1 UJ	4.32 UJ	56.3 J	259 J	164 J	3.97 UJ	3.4 UJ	479 JT
C405	LW2-C405-C	1.24 UJ	2.3 UJ	2.08 UJ	1.26 UJ	5.55 J	37 J	27.5 J	1.16 UJ	0.997 UJ	70.1 JT
C405	LW2-C405-E	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C409	LW2-C409-B	1.62 UJ	2.99 UJ	2.7 UJ	1.64 UJ	43.5 J	95.4 J	45.7 J	1.51 UJ	1.29 UJ	185 JT
C409	LW2-C409-C	2.56 U	4.74 U	4.28 U	2.6 U	47.1	123 J	29.6	2.39 U	2.05 U	200 JT
C409	LW2-C409-D	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	6.3 NJ	4.7 J	1.4 U	1.4 U	11 JT
C413-1	LW2-C413-B1	1.76 U	3.26 U	2.95 U	1.79 U	32.5 J	53.8 J	39.1 J	1.65 U	1.41 U	125 JT
C413-2	LW2-C413-B2	3.25 U	6.01 U	5.43 U	3.3 U	120	140	39.9	3.03 U	2.6 U	300 T
C413-1	LW2-C413-C1	1.68 U	3.1 U	2.8 U	1.7 U	13.4	45.1 J	31 J	1.57 U	1.34 U	89.5 JT
C413-2	LW2-C413-C2	3.45 U	6.4 U	5.78 U	3.51 U	34	159 J	202 J	3.23 U	2.77 U	395 JT
C413-2	LW2-C413-D2	1.6 U	2.96 U	2.68 U	1.63 U	2.09 U	38.1 J	32.4 J	1.49 U	1.28 U	70.5 JT
C415	LW2-C415-B	1.27 U	2.35 U	2.13 U	1.29 U	1.66 U	15 J	7.19	1.19 U	1.02 U	22.2 JT
C415	LW2-C415-C	1.26 U	2.34 U	2.11 U	1.28 U	1.64 U	0.766 U	0.984 U	1.18 U	1.01 U	2.34 UT
C415	LW2-C415-D	1.31 U	2.42 U	2.19 U	1.33 U	1.7 U	0.794 U	1.02 U	1.22 U	1.05 U	2.42 UT
C417	LW2-C417-B	2.11 U	3.9 U	3.53 U	2.14 U	40.8	97.6 J	60.3 J	1.97 U	1.69 U	199 JT
C417	LW2-C417-D	1.29 U	2.4 U	2.17 U	1.32 U	1.69 U	109 J	58.4 J	1.21 U	1.04 U	167 JT
C420	LW2-C420-B	1.78 U	3.3 U	2.98 U	1.81 U	33.7	157	81.5 J	1.67 U	1.43 U	272 JT
C420	LW2-C420-C	1.52 U	2.81 U	2.54 U	1.54 U	74.6	178 J	144 J	1.42 U	1.22 U	397 JT
C420	LW2-C420-D	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	68	58			126 JT
C421	LW2-C421-B	13.7 U	25.4 U	23 U	14 U	179	703	350 J	12.8 U	11 U	1230 JT
C421	LW2-C421-C	6.33 U	11.7 U	10.6 U	6.44 U	37 J	200	75.9 J	5.91 U	5.07 U	313 JT
C421	LW2-C421-E	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U			2.3 UT
C425-1	LW2-C425-B1	1.26 UT	2.33 UT	2.1 UT	1.28 UT	10.2 T	32.9 JT	21.5 JT	1.17 UT	1.01 UT	64.6 JT
C425-2	LW2-C425-B2	1.36 UJ	2.52 UJ	2.27 UJ	1.38 UJ	13.1 J	45.2 J	30.2 J	1.27 UJ	1.09 UJ	88.5 JT
C425-1	LW2-C425-C1	1.29 UT	2.39 UT	2.16 UT	1.31 UT	16.2 T	57 JT	34.3 JT	1.21 UT	1.04 UT	108 JT
C425-2	LW2-C425-C2	1.28 UJ	2.36 UJ	2.13 UJ	1.3 UJ	5.18 J	20.9 J	11.3 J	1.19 UJ	1.02 UJ	37.4 JT
C425-2	LW2-C425-D2	1.5 UJ	2.79 UJ	2.52 UJ	1.53 UJ	19.5 J	58.7 J	30.9 J	1.4 UJ	1.21 UJ	109 JT
C425-1	LW2-C425-E1	2.48 UJT	4.59 UJT	4.15 UJT	2.52 UJT	30.5 JT	96.2 JT	45.2 JT	2.32 UJT	1.99 UJT	172 JT
C425-1	LW2-C425-F1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.8 U	1.7 U	1.7 U	1.7 U	2.8 UT
C426	LW2-C426-B	1.9 U	3.52 U	3.18 U	1.94 U	26.7	100 J	69.1 J	1.78 U	1.53 U	196 JT
C426	LW2-C426-C	1.33 U	2.45 U	2.22 U	1.35 U	1.73 U	0.805 U	1.03 U	1.24 U	1.06 U	2.45 UT
C430	LW2-C430-B	1.77 U	3.28 U	2.96 U	1.8 U	24.7	76.2	40.2 J	1.65 U	1.42 U	141 JT
C430	LW2-C430-C	3.55 U	6.57 U	5.93 U	3.61 U	60.5	145	72.2	3.31 U	2.84 U	278 T
C430	LW2-C430-E	6.36 U	11.8 U	10.6 U	6.47 U	93.3 J	315 J	139	5.94 U	5.1 U	547 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C431	LW2-C431-B	17.4 UJ	32.2 UJ	29.1 UJ	675 J	22.6 UJ	518 J	240 J	16.2 UJ	13.9 UJ	1430 JT
C431	LW2-C431-C	1.42 U	2.63 U	2.38 U	1.45 U	1.85 U	0.863 U	1.11 U	1.33 U	1.14 U	2.63 UT
C431	LW2-C431-D	1.37 U	2.53 U	2.29 U	1.39 U	1.78 U	0.831 U	2.01 J	1.28 U	1.1 U	2.01 JT
C434	LW2-C434-B	1.75 U	3.23 U	2.92 U	1.78 U	2.53 J	46.7	39.7 J	1.63 U	1.4 U	88.9 JT
C434	LW2-C434-C	1.35 U	2.49 U	2.25 U	1.37 U	1.76 U	0.818 U	1.05 U	1.26 U	1.08 U	2.49 UT
C434	LW2-C434-D	1.31 U	2.43 U	2.19 U	1.33 U	1.71 U	0.796 U	1.02 U	1.22 U	1.05 U	2.43 UT
C436	LW2-C436-B	1.25 U	2.32 U	2.1 U	1.27 U	1.73 J	8.63 J	4.19	1.17 U	1.01 U	14.6 JT
C436	LW2-C436-C	3.33 U	6.17 U	5.57 U	3.39 U	5.4 J	45.2	31.7	3.11 U	2.67 U	82.3 JT
C436	LW2-C436-E	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U			2.1 UT
C437	LW2-C437-B	1.28 U	2.37 U	2.14 U	1.3 U	1.67 U	11.8 J	5.95	1.19 U	1.03 U	17.8 JT
C437	LW2-C437-C	1.31 U	2.43 U	2.2 U	1.33 U	1.71 U	0.797 U	1.02 U	1.23 U	1.05 U	2.43 UT
C437	LW2-C437-D	1.34 U	2.49 U	2.25 U	1.37 U	1.75 U	0.816 U	1.05 U	1.25 U	1.08 U	2.49 UT
C439	LW2-C439-B	1.85 U	3.43 U	3.1 U	1.89 U	12.9	34.9 J	26 J	1.73 U	1.49 U	73.8 JT
C439	LW2-C439-C	1.62 U	3 U	2.71 U	1.65 U	39.5 J	79.5	63.8 J	1.51 U	1.3 U	183 JT
C439	LW2-C439-D	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U			2.2 UT
C440	LW2-C440-B	1.53 U	2.84 U	2.56 U	1.56 U	2 U	0.932 U	1.2 U	1.43 U	1.23 U	2.84 UT
C440	LW2-C440-C	3.38 U	6.25 U	5.65 U	3.43 U	102 J	96.1	64.6 J	3.15 U	2.71 U	263 JT
C440	LW2-C440-D	2.8 U	2.8 U	2.8 U	34 J	2.8 U	68	58			160 JT
C441-1	LW2-C441-B1	1.66 U	3.07 U	2.78 U	1.69 U	44.1	56.8 J	47.7 J	1.55 U	1.33 U	149 JT
C441-2	LW2-C441-B2	5.28 UT	9.77 UT	8.82 UT	5.36 UT	186 T	157 JT	98.3 JT	4.93 UT	4.23 UT	441 JT
C441-1	LW2-C441-C1	1.36 U	2.52 U	2.28 U	1.38 U	1.77 U	0.827 U	1.06 U	1.27 U	1.09 U	2.52 UT
C441-2	LW2-C441-C2	1.47 UT	2.72 UT	2.46 UT	1.49 UT	1.91 UT	0.892 UT	1.14 UT	1.37 UT	1.18 UT	2.72 UT
C444	LW2-C444-B	6.44 U	11.9 U	10.8 U	6.55 U	313	251	121 J	6.02 U	5.17 U	685 JT
C444	LW2-C444-C	3.39 U	6.29 U	5.68 U	3.45 U	99.3	92.8	61 J	3.17 U	2.72 U	253 JT
C444	LW2-C444-E	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U			2.3 UT
C445	LW2-C445-B	1.82 U	3.37 U	3.04 U	1.85 U	42.8	79.6 J	41.7	1.7 U	1.46 U	164 JT
C445	LW2-C445-C	3.44 U	6.37 U	5.76 U	3.5 U	105	117 J	60	3.21 U	2.76 U	282 JT
C445	LW2-C445-E	1.7 U	3.14 U	2.84 U	1.73 U	7.34	65 J	37.6	1.59 U	1.36 U	110 JT
C447	LW2-C447-B	11.6 U	21.6 U	19.5 U	11.8 U	368	251 J	136 J	10.9 U	9.34 U	755 JT
C447	LW2-C447-C	1.54 U	2.85 U	2.58 U	1.57 U	2.01 U	0.936 U	2.91 J	1.44 U	1.23 U	2.91 JT
C447	LW2-C447-D	1.36 U	2.51 U	2.27 U	1.38 U	1.77 U	0.825 U	1.06 U	1.27 U	1.09 U	2.51 UT
C448	LW2-C448-B	1.88 U	3.48 U	3.14 U	1.91 U	7.74 J	16.3 J	6.64	1.76 U	1.51 U	30.7 JT
C448	LW2-C448-C	3.9 U	7.22 U	6.52 U	3.96 U	109	75.8 J	56.2 J	3.64 U	3.12 U	241 JT
C448	LW2-C448-D	1.8 U	1.8 U	1.8 U	190	1.8 U	99 J	110	1.8 U	1.8 U	399 JT
C449	LW2-C449-B	2.2 U	2.2 U	2.2 U	2.2 U	7	6.9 J	7.1	2.2 U	2.2 U	21 JT
C449	LW2-C449-C	2 U	2 U	2 U	2 U	2 U	5 J	7.6	2 U	2 U	12.6 JT
C449	LW2-C449-E	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	30 J	34	2.1 U	2.1 U	64 JT
C450	LW2-C450-B	1.99 U	3.69 U	3.33 U	2.03 U	40.3 J	28	13.6	1.86 U	1.6 U	81.9 JT
C450	LW2-C450-C	34.4 U	63.6 U	57.5 U	34.9 U	1270	605 J	231	32.1 U	27.5 U	2110 JT
C453	LW2-C453-B	90.3 U	167 U	151 U	91.9 U	1630	1330	644	84.4 U	72.4 U	3600 T
C453	LW2-C453-C	8.48 U	15.7 U	14.2 U	8.62 U	60.6	151 J	87.2 J	7.92 U	6.8 U	299 JT
C453	LW2-C453-D	1.63 U	3.01 U	2.72 U	1.65 U	2.12 U	3.55	2.29 J	1.52 U	1.3 U	5.84 JT
C454	LW2-C454-B	1.25 U	2.51 UJ	2.1 U	1.27 U	1.63 U	7.73	7.93 J	1.17 U	1 U	15.7 JT
C454	LW2-C454-C	1.78 U	3.3 U	2.98 U	1.81 U	2.32 U	10.2	11.9 J	1.66 U	1.43 U	22.1 JT
C454	LW2-C454-D	1.64 U	3.03 U	2.74 U	1.67 U	2.14 U	2.83 J	6.16 J	1.53 U	1.31 U	8.99 JT
C454	LW2-C454-E	1.32 UJ	2.45 UJ	2.21 UJ	1.35 UJ	1.72 UJ	0.804 UJ	1.03 UJ	1.24 UJ	1.06 UJ	2.45 UJT
C455	LW2-C455-B	547 U	1010 U	916 U	16400	713 U	5520 J	427 U	511 U	439 U	21900 JT
C455	LW2-C455-C	6.72 U	12.5 U	11.2 U	6.84 U	234 J	4.09 U	198 J	6.28 U	5.39 U	432 JT
C455	LW2-C455-D	1.63 U	3.02 U	2.73 U	1.66 U	15.7 J	11.8 J	8.51 J	1.52 U	1.31 U	36 JT
C455	LW2-C455-F	1.6 U	1.6 U	1.6 U	1.6 U	9.7	1.6 U	1.6 U	1.6 U	1.6 U	9.7 T
C456	LW2-C456-B	1.79 UJ	3.31 UJ	2.99 UJ	1.82 UJ	3.58 UJ	20.3 J	9.13 J	1.67 UJ	1.43 UJ	29.4 JT
C456	LW2-C456-C	5.91 UJ	10.9 UJ	9.88 UJ	6.01 UJ	139 J	80.3 J	38.8 J	5.52 UJ	4.74 UJ	258 JT
C456	LW2-C456-D	1.66 UJ	3.07 UJ	2.78 UJ	1.69 UJ	2.16 UJ	5.07 J	5.19 J	1.55 UJ	1.33 UJ	10.3 JT
C456	LW2-C456-F	1.61 UJ	2.97 UJ	2.69 UJ	1.63 UJ	2.09 UJ	0.976 UJ	1.25 UJ	1.5 UJ	1.29 UJ	2.97 UJT
C457	LW2-C457-B	1.94 U	3.6 U	3.25 U	1.98 U	12.2 J	26.3 J	14.5 J	1.82 U	1.56 U	53 JT
C457	LW2-C457-C	1.57 U	2.91 U	2.63 U	1.6 U	53.5 J	55.3	30.2 J	1.47 U	1.26 U	139 JT
C457	LW2-C457-D	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	12 U	9.4 U			12 UT
C457	LW2-C457-E	1.62 U	2.99 U	2.7 U	1.64 U	2.11 U	0.982 U	1.26 U	1.51 U	1.3 U	2.99 UT
C458-1	LW2-C458-B	2.05 U	3.79 U	3.43 U	2.08 U	3.5 J	17.2 J	8.42 J	1.91 U	1.64 U	29.1 JT
C458-2	LW2-C458-B2	1.87 UT	3.46 UT	3.13 UT	1.9 UT	12 JT	28.4 JT	13.3 JT	1.75 UT	1.5 UT	53.7 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
C458-1	LW2-C458-C	1.88 U	3.47 U	3.14 U	1.91 U	20.3 J	25.6 J	12.1 J	1.75 U	1.5 U	58 JT
C458-2	LW2-C458-C2	1.88 UT	3.47 UT	3.14 UT	1.91 UT	22.6 JT	33.2 JT	22.8 JT	1.75 UT	1.5 UT	78.6 JT
C458-2	LW2-C458-D2	2 U	2 U	2 U	2 U	10	22 J	30 J	2 U	2 U	62 JT
C461	LW2-C461-B	2.02 U	3.74 U	3.38 U	2.05 U	26.4 J	50.9 J	26.2 J	1.89 U	1.62 U	104 JT
C461	LW2-C461-C	1.84 U	3.41 U	3.08 U	1.87 U	48.5 J	111 J	64.2 J	1.72 U	1.47 U	224 JT
C461	LW2-C461-D	1.9 U	1.9 U	1.9 U	1.9 U	47	69	69	1.9 U	1.9 U	185 T
C462	LW2-C462-B	2.01 U	3.73 U	3.37 U	2.05 U	3.11 J	20.9 J	9.12 J	1.88 U	1.61 U	33.1 JT
C462	LW2-C462-C	1.8 U	3.33 U	3.01 U	1.83 U	14.4 J	30.6 J	16.5 J	1.68 U	1.44 U	61.5 JT
C462	LW2-C462-D	1.9 U	1.9 U	1.9 U	1.9 U	7.6	18 J	21	1.9 U	1.9 U	46.6 JT
C468	LW2-C468-B	1.82 UJ	3.36 UJ	3.04 UJ	1.85 UJ	12 J	42.6 J	24.9 J	1.7 UJ	1.46 UJ	79.5 JT
C468	LW2-C468-C	1.85 U	3.42 U	3.09 U	1.88 U	19.5	57.5	33.7 J	1.73 U	1.48 U	111 JT
C468	LW2-C468-D	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	26	31			57 JT
C471	LW2-C471-B	1.97 U	3.65 U	3.29 U	2 U	2.57 U	10.4 J	3.71 J	1.84 U	1.58 U	14.1 JT
C471	LW2-C471-C	1.65 U	3.05 U	2.75 U	1.67 U	2.15 U	11.2 J	4.7 J	1.54 U	1.32 U	15.9 JT
C471	LW2-C471-D	2 U	2 U	2 U	2 U	5.9	20 J	15 J	2 U	2 U	40.9 JT
C474	LW2-C474-B	1.98 U	3.66 U	3.3 U	2.01 U	3.75 J	44.3 J	17.4 J	1.84 U	1.58 U	65.5 JT
C474	LW2-C474-C	1.73 U	3.21 U	2.9 U	1.76 U	2.26 U	23.8 J	9.43 J	1.62 U	1.39 U	33.2 JT
C477	LW2-C477-B	5.44 UJ	10.1 UJ	9.1 UJ	5.53 UJ	99.9 J	466 J	118 J	5.08 UJ	4.36 UJ	684 JT
C477	LW2-C477-C	2.65 UJ	4.9 UJ	4.43 UJ	2.69 UJ	3.45 UJ	140 J	2.06 UJ	2.47 UJ	2.12 UJ	140 JT
C492	LW2-C492-B	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	33	1.9 U	1.9 U	33 T
C492	LW2-C492-C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 UT
C494	LW2-C494-B	5.75 UJ	10.7 UJ	9.63 UJ	5.85 UJ	109 J	134 J	246 J	5.37 UJ	4.61 UJ	489 JT
C494	LW2-C494-C	10.8 UJ	19.9 UJ	18 UJ	10.9 UJ	162 J	287 J	522 J	10 UJ	8.62 UJ	971 JT
C494	LW2-C494-D	4.82 UJ	8.93 UJ	8.07 UJ	4.91 UJ	125 J	133 J	369 J	4.51 UJ	3.87 UJ	627 JT
C494	LW2-C494-E	1.53 UJ	2.84 UJ	2.57 UJ	1.56 UJ	2 UJ	0.932 UJ	1.2 UJ	1.43 UJ	1.23 UJ	2.84 UJT
C521	LW2-C521-B	2.6 U	2.6 U	2.6 U	72	2.6 U	180	290			542 JT
C521	LW2-C521-D	5 U	10 U	8.5 U	2.6 U	2 U	4.6 U	2.1 U			10 UT
C522	LW2-C522-B	1.9 U	1.9 U	1.9 U	1.9 U	25	49 J	32	1.9 U	1.9 U	106 JT
C522	LW2-C522-C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C523	LW2-C523-B	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	24 J	23 UJ	31 J	1.9 UJ	1.9 UJ	55 JT
C523	LW2-C523-C	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ	5.2 UJ	8.5 UJ	1.6 UJ	1.6 UJ	8.5 UJT
C524	LW2-C524-B	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.3 U	3.7 J	1.9 U	1.9 U	3.7 JT
C525	LW2-C525-B	2.1 U	2.1 U	2.1 U	2.1 U	38	110 J	54	2.1 U	17	219 JT
C525	LW2-C525-C	9.3 U	40 U	14 U	16 U	8.9 U	120 U	71	43 U	18 U	71 T
C525	LW2-C525-D	43 U	28 U	250 U	74 U	41 U	41 U	43 U	54 U	28 U	250 UT
C525	LW2-C525-E	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C527	LW2-C527-B	3.8 U	38 U	21 U	6.6 U	6.9 U	14 U	20 J	8 U	2.4 U	20 JT
C527	LW2-C527-C	14 U	120 U	29 U	19 U	13 U	46 U	32	13 U	6.5 U	32 T
C527	LW2-C527-E	29 U	10 U	57 U	36 U	21 U	230 U	160	10 U	10 U	160 T
C528	LW2-C528-B	2.2 U	2.2 U	2.2 U	2.2 U	9.7	28	19 J	2.2 U	2.2 U	56.7 JT
C528	LW2-C528-C	11 U	11 U	11 U	11 U	66	120	79	11 U	11 U	265 T
C528	LW2-C528-F	1.5 U	4 U	2.9 U	1.7 U	1.5 U	1.5 U	2.3 U	1.5 U	1.5 U	4 UT
C529	LW2-C529-B	2.2 U	2.2 U	2.2 U	2.2 U	20	2.2 U	18	2.2 U	2.2 U	38 T
C529	LW2-C529-C	2 U	2 U	2 U	2 U	92 J	130	75	2 U	2 U	297 JT
C529	LW2-C529-E	1.9 U	1.9 U	1.9 U	1.9 U	27 J	1.9 U	54 J	1.9 U	1.9 U	81 JT
C530	LW2-C530-B	2 U	2 U	2 U	2 U	62 J	89	55	2 U	2 U	206 JT
C530	LW2-C530-C	1.9 U	1.9 U	1.9 U	1.9 U	91 J	83 U	76	1.9 U	1.9 U	167 JT
C530	LW2-C530-E	9.9 U	1.9 U	19 U	14 U	11 U	46 U	45 U	22 U	9.4 U	46 UT
C531	LW2-C531-B	9.5 U	9.5 U	9.5 U	9.5 U	78	170 J	110 J	9.5 U	9.5 U	358 JT
C531	LW2-C531-C	20 U	34 U	26 U	22 U	24 U	120 U	210 J	20 U	20 U	210 JT
C531	LW2-C531-E	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 UT
C532	LW2-C532-B	2 U	2 U	2 U	2 U	34	41 J	95 J	2 U	2 U	170 JT
C532	LW2-C532-C	2 U	2 U	2 U	2 U	41	34 J	42 J	2 U	2 U	117 JT
C532	LW2-C532-E	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	22 U	27	1.9 U	4.8 J	31.8 JT
C532	LW2-C532-F	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UT
C533	LW2-C533-B	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UT
C533	LW2-C533-C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 UT
C533	LW2-C533-D	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJT
NA-1B	NA-1B-0046	1.75 U	3.25 U	2.93 U	1.78 U	2.29 U	9.34 J	2.88 J	1.64 U	1.41 U	12.2 JT
NA-1B	NA-1B-4668	1.96 U	3.64 U	3.28 U	2 U	2.8 J	9.66 J	3.06 J	1.83 U	1.57 U	15.5 JT

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
NA-1B	NA-1B-6894	1.8 U	3.32 U	3 U	1.83 U	2.34 U	37.4 J	22.6 J	1.68 U	1.44 U	60 JT
NA-2B	NA-2B-3157	1.8 U	3.33 U	3.01 U	1.83 U	5.78 J	11.9 J	4.96	1.68 U	1.44 U	22.6 JT
NA-2B	NA-2B-5794	2.09 U	3.87 U	3.5 U	2.13 U	3.95 J	24.8 J	14.1 J	1.95 U	1.68 U	42.9 JT
NA-3B	NA-3B-3464	1.37 U	2.54 U	2.29 U	1.39 U	6.14	10.2 J	4.2	1.28 U	1.1 U	20.5 JT
NA-3B	NA-3B-6494	1.47 U	2.72 U	2.46 U	1.5 U	19.4 J	30 J	19.2 J	1.37 U	1.18 U	68.6 JT
NA-4B	NA-4B-2450	2.12 U	3.92 U	3.55 U	2.16 U	37.1	84.6 J	56 J	1.98 U	1.7 U	178 JT
NA-4B	NA-4B-5094	2.06 U	3.82 U	3.45 U	2.1 U	30.7 J	60.3	33.3	1.92 U	1.65 U	124 JT
B416U1	PPTLDT24B416U1B416C1	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
T2U1	PPTLDT24T2U1B204C1	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
T2U2	PPTLDT24T2U2B203C1	10 U	10 U	10 U	10 U	10 U	10 U	26			26 T
DM-20	PSYD&M97DM20DM20C	20 U	40 U	20 U	20 U	20 U	150	20 U			150 T
DM-24	PSYD&M97DM24DM24C1	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
DM-24	PSYD&M97DM24DM24C2	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
PSY01C	PSYSEA98PSY01CPSY01A	10 U	10 U	10 U	10 U	10 U	97	54			151 T
PSY01C	PSYSEA98PSY01CPSY01B	10 U	10 U	10 U	10 U	10 U	248	155			403 T
PSY07C	PSYSEA98PSY07CPSY07A	10 U	10 U	10 U	10 U	10 U	205	101			306 T
PSY07C	PSYSEA98PSY07CPSY07B	10 U	10 U	10 U	10 U	10 U	204	147			351 T
PSY11C	PSYSEA98PSY11CPSY11A	10 U	10 U	10 U	10 U	10 U	40	40			80 T
PSY11C	PSYSEA98PSY11CPSY11B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY11C	PSYSEA98PSY11CPSY11C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY11C	PSYSEA98PSY11CPSY11D	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY16C	PSYSEA98PSY16CPSY16A	10 U	10 U	10 U	10 U	10 U	567	232			799 T
PSY16C	PSYSEA98PSY16CPSY16B	10 U	10 U	10 U	10 U	10 U	76	32			108 T
PSY16C	PSYSEA98PSY16CPSY16C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY18C	PSYSEA98PSY18CPSY18A	10 U	10 U	10 U	10 U	10 U	492	143			635 T
PSY18C	PSYSEA98PSY18CPSY18B	10 U	10 U	10 U	10 U	40 UB	110 UB	40 UB			110 UT
PSY18C	PSYSEA98PSY18CPSY18C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY20C	PSYSEA98PSY20CPSY20A	10 U	10 U	10 U	10 U	10 U	1800	490			2290 T
PSY20C	PSYSEA98PSY20CPSY20B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY20C	PSYSEA98PSY20CPSY20C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY20C	PSYSEA98PSY20CPSY20D	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY23C	PSYSEA98PSY23CPSY23A	10 U	10 U	10 U	10 U	10 U	1200	440			1640 T
PSY23C	PSYSEA98PSY23CPSY23B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY23C	PSYSEA98PSY23CPSY23C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY23C	PSYSEA98PSY23CPSY23D	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY24C	PSYSEA98PSY24CPSY24A	10 U	10 U	10 U	10 U	10 U	290	106			396 T
PSY24C	PSYSEA98PSY24CPSY24B	10 U	10 U	10 U	10 U	10 U	52	28			80 T
PSY27C	PSYSEA98PSY27CPSY27A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY27C	PSYSEA98PSY27CPSY27B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY27C	PSYSEA98PSY27CPSY27C	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY30C	PSYSEA98PSY30CPSY30A	10 U	10 U	10 U	10 U	10 U	22	10 U			22 T
PSY30C	PSYSEA98PSY30CPSY30B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY34C	PSYSEA98PSY34CPSY34A	10 U	10 U	10 U	10 U	10 U	10	10 U			10 T
PSY34C	PSYSEA98PSY34CPSY34B	10 U	10 U	10 U	10 U	10 U	161	70			231 T
PSY34C	PSYSEA98PSY34CPSY34C	10 U	10 U	10 U	10 U	10 U	84	55			139 T
PSY36C	PSYSEA98PSY36CPSY36A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY36C	PSYSEA98PSY36CPSY36B	10 U	10 U	10 U	10 U	10 U	67	34			101 T
PSY36C	PSYSEA98PSY36CPSY36C	10 U	10 U	10	10 U	10 U	443	152			605 T
PSY36C	PSYSEA98PSY36CPSY36D	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY39C	PSYSEA98PSY39CPSY39A	10 U	10 U	10 U	10 U	10 U	34	30			64 T
PSY39C	PSYSEA98PSY39CPSY39B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
PSY43C	PSYSEA98PSY43CPSY43A	10 U	10 U	10 U	10 U	10 U	183	77			260 T
PSY43C	PSYSEA98PSY43CPSY43B	10 U	10 U	10 U	10 U	10 U	76	18			94 T
PSY50C	PSYSEA98PSY50CPSY50A	15 UB	15 UB	10 U	20 UB	20 UB	38	31			69 T
PSY50C	PSYSEA98PSY50CPSY50B	10 U	10 U	10 U	10 U	10 U	54	38			92 T
DMMU1	TOSCO99DMMU1SDO1	10 U	10 U	10 U	10 U	183 E	10 U	57			240 T
DMMU1	TOSCO99DMMU1SDO3	10 U	10 U	10 U	10 U	258 E	10 U	66			324 T
DMMU2	TOSCO99DMMU2SDO4	10 U	10 U	10 U	10 U	32 E	10 U	42			74 T
SD01	WLCAYH00SD01SD01D	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
SD02	WLCAYH00SD02SD02D	10 U	20 U	11 U	10 U	10 U	10 U	12			12 T

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
SD04	WLCAYH00SD04SD04D	12 U	37 U	24 U	12 U	10 U	10 U	15			15 T
C01020304	WLCCIF01020304020304	3.4 U	3.4 U	3.4 U	24	3.4 U	3.4 U	24			48 T
T01	WLCCIF01T01T01	3.1 U	3.1 U	3.1 U	19 U	21 U	35	38			73 T
T02	WLCCIF01T02T02	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	15 J	10 J			25 T
T03	WLCCIF01T03T03	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	8.3 J	5.1 J			13.4 T
T04	WLCCIF01T04T04	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	130			130 T
SD0101	WLCCPF01SD0101SD139F	132 U	132 U	132 U	132 U	132 U	205	132 U			205 T
SD0101	WLCCPF01SD0101SD141F	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
SD0101	WLCCPF01SD0101SD1S1C	24.8 U	24.8 U	24.8 U	24.8 U	24.8 U	24.8 U	24.8 U			24.8 UT
SD0102	WLCCPF01SD0102SD239F	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
SD0102	WLCCPF01SD0102SD241F	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
SD0103	WLCCPF01SD0103SD339F	12 U	12 U	12 U	12 U	12 U	19.1	12 U			19.1 T
SD0103	WLCCPF01SD0103SD341F	12 U	12 U	12 U	12 U	12 U	38.5	19.5			58 T
SD0103	WLCCPF01SD0103SD3S1C	25.5 U	25.5 U	25.5 U	25.5 U	25.5 U	25.5 U	25.5 U			25.5 UT
SD0104	WLCCPF01SD0104SD439F	12 U	12 U	12 U	12 U	12 U	14.3	12 U			14.3 T
SD0104	WLCCPF01SD0104SD441F	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
SD0104	WLCCPF01SD0104SD4S1C	12 U	12 U	12 U	12 U	12 U	12.4	12 U			12.4 T
SD0105	WLCCPF01SD0105SD539F	12 U	12 U	12 U	12 U	12 U	28.4	21.2			49.6 T
SD0105	WLCCPF01SD0105SD541F	12 U	12 U	12 U	12 U	12 U	12 U	12 U			12 UT
WR-VC-03	WLCDRD05VC00303	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	12	9.2 J	2.6 U	2.6 U	21.2 T
WR-VC-04	WLCDRD05VC00404	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	21	18	2.3 U	2.3 U	39 T
WR-VC-05	WLCDRD05VC00505	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	25	24	2.7 U	2.7 U	49 T
WR-VC-06	WLCDRD05VC00606	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	26	20	2.8 U	2.8 U	46 T
WR-VC-07	WLCDRD05VC00707	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	41	33	2.5 U	2.5 U	74 T
WR-VC-08	WLCDRD05VC00808	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	37 J	28	2.7 U	2.7 U	65 T
WR-VC-09	WLCDRD05VC00909	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	13	11	2.5 U	2.5 U	24 T
WR-VC-10	WLCDRD05VC01010	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	53	38	2.7 U	2.7 U	91 T
WR-VC-11	WLCDRD05VC01111	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	18 J	15	2.6 U	2.6 U	33 T
WR-VC-12	WLCDRD05VC01212	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	73	59	2.5 U	2.5 U	132 T
WR-VC-13	WLCDRD05VC01313	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	23 J	18	2.6 U	2.6 U	41 T
WR-VC-14	WLCDRD05VC01414	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	45 J	45	2.5 U	2.5 U	90 T
WR-VC-15	WLCDRD05VC01515	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	14 U	19	2.5 U	2.5 U	19 T
WR-VC-16	WLCDRD05VC01616	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	36	27	2.3 U	2.3 U	63 T
WR-VC-17	WLCDRD05VC01717	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	22	24	2.5 U	2.5 U	46 T
WR-VC-18	WLCDRD05VC01818	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	36 J	28	2.6 U	2.6 U	64 T
WR-VC-19	WLCDRD05VC01919	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	19	39	2.6 U	2.6 U	58 T
WR-VC-20	WLCDRD05VC02020	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	46	33	2.5 U	2.5 U	79 T
WR-VC-22	WLCDRD05VC02222	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	12 U	11	2.8 U	2.8 U	12 UT
WR-VC-23	WLCDRD05VC02323	2 U	2 U	2 U	2 U	2 U	50 J	55	2 U	2 U	105 T
WR-VC-24	WLCDRD05VC02424	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	16 J	10	2.8 U	2.8 U	26 T
WR-VC-26	WLCDRD05VC02626	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	14 J	15	2.6 U	2.6 U	29 T
WR-VC-28	WLCDRD05VC02828	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	19 U	18 U	2.8 U	2.8 U	19 UT
WR-VC-29	WLCDRD05VC02929	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	9.4 J	9.7 J	2.6 U	2.6 U	19.1 T
WR-VC-30	WLCDRD05VC03030	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	35	25	2.9 U	2.9 U	60 T
WR-VC-31	WLCDRD05VC03131	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	11 U	8.8 J	2.8 U	2.8 U	8.8 T
WR-VC-32	WLCDRD05VC03232	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	20 U	22	2.7 U	2.7 U	22 T
WR-VC-33	WLCDRD05VC03333	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	12	14	1.8 U	1.8 U	26 T
WR-VC-34	WLCDRD05VC03434	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	18 U	25 J	2.9 U	2.9 U	25 T
WR-VC-35	WLCDRD05VC03535	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	49	62	2.2 U	2.2 U	111 T
WR-VC-36	WLCDRD05VC03636	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	15 J	16	2.9 U	2.9 U	31 T
WR-VC-37	WLCDRD05VC03737	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	25	30	2.2 U	2.2 U	55 T
WR-VC-39	WLCDRD05VC03939	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	11 U	15	2.2 U	2.2 U	15 T
WR-VC-41	WLCDRD05VC04141	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	7.9 U	9.4 J	2.7 U	2.7 U	9.4 T
WR-VC-42	WLCDRD05VC04242	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	13 J	6.5 J	1.8 U	1.8 U	19.5 T
WR-VC-43	WLCDRD05VC04343	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	16 U	13	2.4 U	2.4 U	13 T
WR-VC-45	WLCDRD05VC04545	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	32	28	2.5 U	2.5 U	60 T
WR-VC-46	WLCDRD05VC04646	2 U	2 U	2 U	2 U	2 U	16 NJ	20	2 U	2 U	36 T
WR-VC-47	WLCDRD05VC04747	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	17 U	22 J	2.5 U	2.5 U	22 T
WR-VC-49	WLCDRD05VC04949	2.4 U	2.4 U	2.4 U	180 NJ	2.4 U	140	110	2.4 U	2.4 U	430 T
WR-VC-50	WLCDRD05VC05050	2.7 U	2.7 U	2.7 U	2.7 U	96	88 U	79	2.7 U	2.7 U	175 T

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
WR-VC-51	WLCDRD05VC05151	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	55	150	2.2 U	2.2 U	205 T
WR-VC-52	WLCDRD05VC05252	2.4 U	2.4 U	2.4 U	2.4 U	97	160 U	200	2.4 U	2.4 U	297 T
WR-VC-53	WLCDRD05VC05353	2 U	2 U	2 U	2 U	2 U	31	32	2 U	2 U	63 T
WR-VC-54	WLCDRD05VC05454	2.6 U	2.6 U	2.6 U	2.6 U	74	78 U	78	2.6 U	2.6 U	152 T
WR-VC-55	WLCDRD05VC05555	2 U	2 U	2 U	2 U	2 U	61	96	2 U	2 U	157 T
WR-VC-56	WLCDRD05VC05656	32 U	53 U	59 U	43 U	30 U	720 U	68 U	24 U	24 U	720 UT
WR-VC-57	WLCDRD05VC05757	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	48	78	2.4 U	2.4 U	126 T
WR-VC-58	WLCDRD05VC05858	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	50 U	23 U	1.9 U	1.9 U	50 UT
WR-VC-59	WLCDRD05VC05959	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	53	83	2.2 U	2.2 U	136 T
WR-VC-60	WLCDRD05VC06060	2 U	2 U	2 U	2 U	2 U	33	25	2 U	2 U	58 T
WR-VC-61	WLCDRD05VC06161	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	63	2.3 U	2.3 U	63 T
WR-VC-62	WLCDRD05VC06262	2.6 U	2.6 U	2.6 U	2.6 U	41	77 U	61 J	2.6 U	2.6 U	102 T
WR-VC-64	WLCDRD05VC06464	3 U	3 U	3 U	3 U	3 U	38	21	3 U	3 U	59 T
WR-VC-66	WLCDRD05VC06666	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	29 J	24	2.7 U	2.7 U	53 T
WR-VC-68	WLCDRD05VC06868	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	50	24	2.8 U	2.8 U	74 T
WR-VC-70	WLCDRD05VC07070	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	23 U	36 J	2.7 U	2.7 U	36 T
WR-VC-72	WLCDRD05VC07272	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	58	35	2.6 U	2.6 U	93 T
WR-VC-106	WLCDRD05VC106106	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	560	320	2.4 U	2.4 U	880 T
WR-VC-108	WLCDRD05VC108108	24 U	24 U	24 U	24 U	24 U	2400	24 U	24 U	24 U	2400 T
WR-VC-110	WLCDRD05VC110110	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	700 J	300 J	1.8 U	1.8 U	1000 T
WR-VC-114	WLCDRD05VC114114	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	33 U	30	2.6 U	2.6 U	30 T
WR-VC-116	WLCDRD05VC116116	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	18	22	2.8 U	2.8 U	40 T
WR-VC-118	WLCDRD05VC118118	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	44	39	2.3 U	2.3 U	83 T
WR-VC-120	WLCDRD05VC120120	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	20	24	2.4 U	2.4 U	44 T
WR-VC-122	WLCDRD05VC122122	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	5.4 J	6.3 J	2.2 U	2.2 U	11.7 T
WR-VC-124	WLCDRD05VC124124	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12	13	2.4 U	2.4 U	25 T
WR-VC-126	WLCDRD05VC126126	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	17	18	2.2 U	2.2 U	35 T
WR-VC-128	WLCDRD05VC128128	2 U	2 U	2 U	2 U	2 U	9 J	15	2 U	2 U	24 T
WR-VC-130	WLCDRD05VC130130	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	36	42	1.8 U	1.8 U	78 T
WR-VC-132	WLCDRD05VC132132	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	150	110	2.4 U	2.4 U	260 T
WR-VC-134	WLCDRD05VC134134	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	37	37	1.8 U	1.8 U	74 T
C01-03	WLCDRI03C01-03CSS01	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	22	3.5 U			22
C04-06	WLCDRI03C04-06CSS02	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	32	3.7 U			32
C07-08	WLCDRI03C07-08CSS03	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	32	3.4 U			32
C09-11	WLCDRI03C09-11CSS04	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	12	3.6 U			12
C12-14	WLCDRI03C12-14CSS05	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	14	3.7 U			14
C15-17	WLCDRI03C15-17CSS06	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	18	3.4 U			18
C18-20	WLCDRI03C18-20CSS07	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	6.7 J			6.7 J
C21-23	WLCDRI03C21-23CSS08	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	5.1 J			5.1 J
C24-26	WLCDRI03C24-26CSS09	3.5 U	3.5 U	3.5 U	3.5 U	11	3.5 U	11			22
C27-29	WLCDRI03C27-29CSS10	3.5 U	3.5 U	3.5 U	3.5 U	7.4 J	3.5 U	14			21.4
C30-32	WLCDRI03C30-32CSS11	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6.8 J			6.8 J
C33-35	WLCDRI03C33-35CSS12	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	6 JP			6 JP
C36-38	WLCDRI03C36-38CSS13	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	5.8 JP			5.8 JP
C39-41	WLCDRI03C39-41CSS14	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	6.7 J			6.7 J
C42-44	WLCDRI03C42-44CSS15	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	7.7 J			7.7 J
C45-47	WLCDRI03C45-47CSS16	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	6.7 J			6.7 J
C48-50	WLCDRI03C48-50CSS17	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	8.2 J			8.2 J
C51-52	WLCDRI03C51-52CSS18	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	7.7 J			7.7 J
HC-VC-53	WLCDRI03HCVC53CSS19	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	21			21
S1	WLCGXV99S1S1_30	67 U	137 U	67 U	67 U	67 U	67 U	67 U			137 UT
S2	WLCGXV99S2S2_30	144 U	288 U	144 U	144 U	144 U	144 U	144 U			288 UT
S3	WLCGXV99S3S3_30	67 U	134 U	67 U	67 U	67 U	85.9	67 U			85.9 T
S3	WLCGXV99S3S3_30R	67 U	134 U	67 U	67 U	67 U	82.3	67 U			82.3 T
S4	WLCGXV99S4S4_30	67 U	134 U	67 U	67 U	67 U	194	67 U			194 T
SDC-SS01	WLCITC03SS010007	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	89	25			114
SDC-SS01	WLCITC03SS010710C	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U			2.3 U
SDC-SS02	WLCITC03SS020013	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	110 J	80			190 J
SDC-SS02	WLCITC03SS021517C	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U			2.3 U
SDC-SS03R	WLCITC03SS03R0204C	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U			2.4 U

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
SDC-SS04	WLCITC03SS040008	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	69	27			96
SDC-SS05	WLCITC03SS050012	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	71	23			94
SDC-SS05	WLCITC03SS051416C	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U			2.4 U
SDC-SS06	WLCITC03SS060007	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	300	1.4 U			300
SDC-SS06	WLCITC03SS060810C	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U			2.3 U
SD04	WLCMFH00SD04SD04D	13 U	20 U	22 U	10 U	10 U	10 U	10			10 T
SD05	WLCMFH00SD05SD05D	13 U	40 U	60 U	35 U	10 U	10 U	76			76 T
SD06	WLCMFH00SD06SD06D	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
CS001	WLCMRI02CS001CS001	20 U	39 U	20 U	20 U	20 U	36 U	34 U			39 UT
CS002	WLCMRI02CS002CS002	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
CS003	WLCMRI02CS003CS003	20 U	40 U	20 U	20 U	20 U	49 U	32 U			49 UT
RB13	WLCOSJ00RB13SD0016	100 U	200 U	100 U	100 U	1420	100 U	200			1620 T
G04	WLCRIV99G04G04S03	10 U	20 U	10 U	10 U	10 U	7 J	10 U			7 T
G04	WLCRIV99G04G04S07	10 U	20 U	10 U	10 U	10 U	5 J	10 U			5 T
G04	WLCRIV99G04G04S08	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G05	WLCRIV99G05.566.5	10 U	20 U	10 U	43	10 U	10 U	7 J			50 T
G05	WLCRIV99G055/7879	10 U	20 U	10 U	10 U	10 U	10 U	4 J			4 T
G05	WLCRIV99G05G05S04	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G05	WLCRIV99G05G05S05	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G05	WLCRIV99G05HCG05C	10 U	20 U	10 U	10 U	10 U	33	47			80 T
G05	WLCRIV99G05HCG101	10 U	20 U	10 U	10 U	10 U	28	29			57 T
G06A	WLCRIV99G06A06AS04	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G06B	WLCRIV99G06B06BS13	10 U	20 U	10 U	10 U	10 U	35	19			54 T
G06B	WLCRIV99G06B3940.5	10 U	20 U	10 U	10 U	10 U	44	40			84 T
G06B	WLCRIV99G06B51.553	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G06B	WLCRIV99G06B61.563	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G06B	WLCRIV99G06BCG06BC	10 U	20 U	10 U	10 U	10 U	22	12			34 T
G07	WLCRIV99G07G07S03	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G07	WLCRIV99G07G07S05	10 U	20 U	10 U	10 U	30 U	50 U	151			151 T
G07	WLCRIV99G07G07S19	10 U	20 U	10 U	10 U	10 U	120	59			179 T
G07	WLCRIV99G07HCG07C	100 U	200 U	100 U	100 U	100 U	1900	1000			2900 T
G08	WLCRIV99G08.545.5	10 U	20 U	10 U	10 U	10 U	49	29			78 T
G08	WLCRIV99G0856.558	10 U	20 U	10 U	10 U	10 U	10	10 J			20 T
G08	WLCRIV99G0876.578	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G08	WLCRIV99G08G08S03	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G08	WLCRIV99G08HCG08C	10 U	20 U	10 U	10 U	10 U	81	156			237 T
G08	WLCRIV99G08HCG100	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G09	WLCRIV99G09.512.5	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G09	WLCRIV99G091617.5	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G09	WLCRIV99G092122.5	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G10	WLCRIV99G10G10S04	10 U	20 U	10 U	10 U	10 U	7 J	6 J			13 T
G10	WLCRIV99G10G10S05	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G10	WLCRIV99G10G10S12	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G10	WLCRIV99G10G10S14	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G11	WLCRIV99G1112.514	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G12	WLCRIV99G1238.540	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G12	WLCRIV99G1248.550	10 U	20 U	10 U	10 U	10 U	48	17			65 T
G12	WLCRIV99G125354.5	10 U	20 U	10 U	10 U	10 U	9 J	10 U			9 T
G12	WLCRIV99G126869.5	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G12	WLCRIV99G127374.5	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G12	WLCRIV99G12G12S11	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13A	WLCRIV99G13A13AS02	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13A	WLCRIV99G13A13AS07	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13A	WLCRIV99G13A15.518	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13A	WLCRIV99G13ACG13AC	10 U	20 U	10 U	10 U	10 U	136	54			190 T
G13B	WLCRIV99G13B13BS07	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13B	WLCRIV99G13B13BS17	10 U	20 U	10 U	10 U	10 U	30	12			42 T
G13B	WLCRIV99G13B13BS18	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G13B	WLCRIV99G13B13BS19	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
G14	WLCRIV99G14G14S04	10 U	20 U	10 U	10 U	10 U	10 U	16			16 T

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
G14	WLCRIV99G14G14S06	10 U	20 U	10 U	10 U	10 U	10 U	4 J			4 T
G16	WLCRIV99G16G16S06	10 U	20 U	10 U	10 U	10 U	99	33			132 T
G16	WLCRIV99G16G16S10	10 U	20 U	10 U	10 U	10 U	6 J	5 J			11 T
G16	WLCRIV99G16G16S12	10 U	20 U	10 U	10 U	10 U	10 U	10 U			80 T
T2-01-1	WLCT0F01T20101T2011A	17 U	34 U	17 U	17 U	17 U	69	73			142 T
T2-01-1	WLCT0F01T20101T2011B	160 U	310 U	160 U	160 U	160 U	160 U	770			770 T
T2-01-1	WLCT0F01T20101T2011C	14 U	28 U	14 U	14 U	14 U	14 U	74			74 T
T2-01-2	WLCT0F01T20102T2012A	19 U	38 U	19 U	19 U	19 U	26	21			47 T
T5-01-1	WLCT0F01T50101T5011A	14 U	27 U	14 U	14 U	14 U	14 U	14 U			27 UT
T5-01-2	WLCT0F01T50102T5012A	15 U	29 U	15 U	15 U	15 U	16	16			32 T
B401-C1	WLCT0I98B401C1B401C1	10 U	10 U	10 U	10 U	10 U	25 U	32			32 T
B401-C2	WLCT0I98B401C2B401C2	10 U	10 U	10 U	10 U	10 U	10 U	12			12 T
B501-C1	WLCT0I98B501C1B501C1	10 U	10 U	10 U	22	10 U	20 U	13			35 T
B501-C2	WLCT0I98B501C2B501C2	10 U	10 U	20 U	10 U	20 U	15 U	14			14 T
IS-C1	WLCT0I98ISC1ISC1	10 U	10 U	10 U	10 U	10 U	10 U	7100			7100 T
IS-C2	WLCT0I98ISC2ISC2	10 U	10 U	10 U	10 U	10 U	10 U	710			710 T
T4-PS03	WLCT4C04PS03031113	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS03	WLCT4C04PS03031517	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-PS04	WLCT4C04PS04041012	5.5 U	11 U	5.5 U	5.5 U	5.5 U	5.5 U	3.9 J	5.5 U	5.5 U	3.9 J
T4-PS04	WLCT4C04PS04041517	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS12	WLCT4C04PS12121012	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS12	WLCT4C04PS12121517	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-PS17	WLCT4C04PS17171012	5.5 U	11 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	11 U
T4-PS17	WLCT4C04PS17171517	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-PS20	WLCT4C04PS20201517	5 U	10 U	5 U	27 J	5 U	52 J	47 J	5 U	20 J	146 J
T4-PS20	WLCT4C04PS20202022	5 U	10 U	5 U	5 U	5 U	17 J	7 J	5 U	5 U	24 J
T4-PS21	WLCT4C04PS21211517	5.1 U	11 U	5.1 U	5.1 U	5.1 U	12 J	7.5 J	5.1 U	5.1 U	19.5 J
T4-PS21	WLCT4C04PS21212022	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS22	WLCT4C04PS22221517	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS22	WLCT4C04PS22222022	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS28	WLCT4C04PS28281012	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS28	WLCT4C04PS28281517	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS31	WLCT4C04PS31.522.5	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS31	WLCT4C04PS31311517	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS32	WLCT4C04PS32321012	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-PS32	WLCT4C04PS32321517	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-PS33	WLCT4C04PS33331113	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-PS33	WLCT4C04PS33C33911	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-PS33	WLCT4C04PS33VC3357	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-UP09	WLCT4C04UP09UP0902	5 U	10 U	5 U	5 U	5.1	5 U	9.1	5 U	5 U	14.2
T4-UP10	WLCT4C04UP10UP1002	5 U	10 U	5 U	5 U	8	5 U	12	5 U	5 U	20
T4-VC01	WLCT4C04VC01VC0113	5.3 U	11 U	5.3 U	69	5.3 U	82	5.3 U	5.3 U	5.3 U	151
T4-VC01	WLCT4C04VC01VC0135	5.3 U	11 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	11 U
T4-VC02	WLCT4C04VC02VC0213	25 U	50 U	25 U	25 U	25 U	140	25 U	25 U	25 U	140
T4-VC02	WLCT4C04VC02VC0235	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC02	WLCT4C04VC02VC0257	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC02	WLCT4C04VC02VC0279	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC03	WLCT4C04VC03VC0313	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC03	WLCT4C04VC03VC0335	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC03	WLCT4C04VC03VC0357	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC04	WLCT4C04VC04VC0413	5 U	10 U	5 U	5 U	5.9	18 U	12	5 U	5 U	17.9
T4-VC04	WLCT4C04VC04VC0435	5 U	10 U	5 U	5 U	5 U	5 U	3.7 J	5 U	5 U	3.7 J
T4-VC04	WLCT4C04VC04VC0457	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC04	WLCT4C04VC04VC0479	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-VC05	WLCT4C04VC05VC0513	5.2 U	11 U	5.2 U	5.2 U	34 J	37 U	25	5.2 U	5.2 U	59
T4-VC05	WLCT4C04VC05VC0535	5.1 U	11 U	5.1 U	5.1 U	4.1 J	12 U	8.7	5.1 U	5.1 U	12.8
T4-VC05	WLCT4C04VC05VC0557	5.2 U	11 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	11 U
T4-VC05	WLCT4C04VC05VC0579	5.2 U	11 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	11 U
T4-VC06	WLCT4C04VC06VC0613	5 U	10 U	5 U	5 U	7.6	20 U	15	5 U	5 U	22.6
T4-VC06	WLCT4C04VC06VC0635	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
T4-VC06	WLCT4C04VC06VC0657	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC06	WLCT4C04VC06VC0679	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC07	WLCT4C04VC07VC0713	7 U	14 U	7 U	7 U	56	150 U	130	7 U	7 U	186
T4-VC07	WLCT4C04VC07VC0735	4.8 U	9.5 U	4.8 U	4.8 U	20	52 U	47	4.8 U	4.8 U	67
T4-VC07	WLCT4C04VC07VC0757	5 U	10 U	5 U	5 U	5 U	5 U	3.3 J	5 U	5 U	3.3 J
T4-VC07	WLCT4C04VC07VC0779	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC08	WLCT4C04VC08C08911	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-VC08	WLCT4C04VC08VC0813	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC08	WLCT4C04VC08VC0835	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC08	WLCT4C04VC08VC0857	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC08	WLCT4C04VC08VC0879	4.8 U	9.6 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	9.6 U
T4-VC09	WLCT4C04VC09C09911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC09	WLCT4C04VC09VC0913	6 U	12 U	6 U	6 U	43 J	61 U	56	6 U	6 U	99
T4-VC09	WLCT4C04VC09VC0935	4.6 U	9.1 U	4.6 U	4.6 U	72 J	150 U	160	4.6 U	4.6 U	232
T4-VC09	WLCT4C04VC09VC0957	4.8 U	9.6 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	9.6 U
T4-VC09	WLCT4C04VC09VC0979	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-VC10	WLCT4C04VC10101113	4.9 U	9.8 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	9.8 U
T4-VC10	WLCT4C04VC10C10911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC10	WLCT4C04VC10VC1013	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC10	WLCT4C04VC10VC1035	4.9 U	9.8 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	9.8 U
T4-VC10	WLCT4C04VC10VC1057	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC10	WLCT4C04VC10VC1079	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC11	WLCT4C04VC11C11911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC11	WLCT4C04VC11VC1113	5 U	10 U	5 U	5 U	10	20 U	16	5 U	5 U	26
T4-VC11	WLCT4C04VC11VC1135	5 U	10 U	5 U	5 U	10	20 U	64	5 U	5 U	74
T4-VC11	WLCT4C04VC11VC1157	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC11	WLCT4C04VC11VC1179	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC12	WLCT4C04VC12VC1213	5 U	10 U	5 U	5 U	47 J	83 U	48	5 U	5 U	95
T4-VC12	WLCT4C04VC12VC1235	5 U	10 U	5 U	5 U	13	51 U	83	5 U	5 U	96
T4-VC12	WLCT4C04VC12VC1257	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC12	WLCT4C04VC12VC1279	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC13	WLCT4C04VC13VC1313	5 U	10 U	5 U	5 U	5 U	37	5 U	5 U	5 U	37
T4-VC13	WLCT4C04VC13VC1335	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC13	WLCT4C04VC13VC1357	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-VC13	WLCT4C04VC13VC1379	5.2 U	11 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	11 U
T4-VC14	WLCT4C04VC14VC1413	5 U	10 U	5 U	5 U	5 U	5 U	5.4	5 U	5 U	5.4
T4-VC14	WLCT4C04VC14VC1435	4.9 U	9.7 U	4.9 U	4.9 U	3.1 J	6.1 U	6.1	4.9 U	4.9 U	9.2
T4-VC14	WLCT4C04VC14VC1457	5 U	10 U	5 U	5 U	14	38 U	35	5 U	5 U	49
T4-VC14	WLCT4C04VC14VC1479	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC15	WLCT4C04VC15C15911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC15	WLCT4C04VC15VC1513	5 U	10 U	5 U	5 U	72	180 U	160	5 U	5 U	232
T4-VC15	WLCT4C04VC15VC1535	5 U	10 U	5 U	5 U	9.1	5 U	14	5 U	5 U	23.1
T4-VC15	WLCT4C04VC15VC1557	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC15	WLCT4C04VC15VC1579	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC16	WLCT4C04VC16C16911	4.9 U	9.7 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	9.7 U
T4-VC16	WLCT4C04VC16VC1613	5.5 U	11 U	5.5 U	5.5 U	17 J	25 U	19	5.5 U	5.5 U	36
T4-VC16	WLCT4C04VC16VC1635	6 U	12 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	12 U
T4-VC16	WLCT4C04VC16VC1657	6.3 U	13 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	13 U
T4-VC16	WLCT4C04VC16VC1679	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-VC17	WLCT4C04VC17VC1713	5.1 U	11 U	5.1 U	5.1 U	20	71 U	54	5.1 U	5.1 U	74
T4-VC17	WLCT4C04VC17VC1735	5 U	10 U	5 U	5 U	13 J	270 U	180 J	5 U	51 J	244 J
T4-VC17	WLCT4C04VC17VC1757	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	15	5.1 U	15	30
T4-VC18	WLCT4C04VC18VC1813	5 U	10 U	5 U	5 U	19	35 U	25	5 U	5 U	44
T4-VC18	WLCT4C04VC18VC1835	5 U	10 U	5 U	5 U	28	37 U	42	5 U	5 U	70
T4-VC18	WLCT4C04VC18VC1857	5 U	10 U	5 U	5 U	8.7 J	16 U	7.9	5 U	5 U	16.6
T4-VC18	WLCT4C04VC18VC1879	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC19	WLCT4C04VC19C19911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC19	WLCT4C04VC19VC1913	5 UJ	10 UJ	5 UJ	5 UJ	17 J	30 UJ	25 J	5 UJ	5 UJ	42 J
T4-VC19	WLCT4C04VC19VC1935	5 U	10 U	5 U	5 U	22	36 U	48	5 U	5 U	70
T4-VC19	WLCT4C04VC19VC1957	5 U	10 U	5 U	5 U	22 J	30 U	20	5 U	5 U	42

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
T4-VC19	WLCT4C04VC19VC1979	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC20	WLCT4C04VC20201113	11 U	10 U	17 U	14 U	7.8 U	54 U	41	5 U	53	94
T4-VC20	WLCT4C04VC20C20911	5 U	10 U	5 U	5 U	110	240 U	160	5 U	5 U	270
T4-VC20	WLCT4C04VC20VC2013	5 U	10 U	5 U	5 U	9.8 J	14 U	12	5 U	5 U	21.8
T4-VC20	WLCT4C04VC20VC2035	5.1 U	11 U	5.1 U	5.1 U	13 J	22 U	16	5.1 U	5.1 U	29
T4-VC20	WLCT4C04VC20VC2057	5 U	10 U	5 U	5 U	41	75 U	69	5 U	5 U	110
T4-VC20	WLCT4C04VC20VC2079	5 U	10 U	5 U	5 U	78	160 U	170	5 U	5 U	248
T4-VC21	WLCT4C04VC21211113	5 U	10 U	5 U	5 U	5 U	5 U	7.4 U	9 U	77 J	77 J
T4-VC21	WLCT4C04VC21C21911	5 U	10 U	5 U	5 U	26	51 U	43	5 U	5 U	69
T4-VC21	WLCT4C04VC21VC2113	5 U	10 U	5 U	5 U	6.3	13 U	10	5 U	5 U	16.3
T4-VC21	WLCT4C04VC21VC2135	5 U	10 U	5 U	5 U	18	32 U	33	5 U	5 U	51
T4-VC21	WLCT4C04VC21VC2157	5.1 U	11 U	5.1 U	5.1 U	63	83 U	87	5.1 U	5.1 U	150
T4-VC21	WLCT4C04VC21VC2179	5 U	10 U	5 U	5 U	36	55 U	53	5 U	5 U	89
T4-VC22	WLCT4C04VC22C22911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC22	WLCT4C04VC22VC2213	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC22	WLCT4C04VC22VC2235	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC22	WLCT4C04VC22VC2257	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC22	WLCT4C04VC22VC2279	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC23	WLCT4C04VC23C23911	6 U	12 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	12 U
T4-VC23	WLCT4C04VC23VC2313	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC23	WLCT4C04VC23VC2335	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC23	WLCT4C04VC23VC2357	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC23	WLCT4C04VC23VC2379	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC24	WLCT4C04VC24241113	5.4 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	11 U
T4-VC24	WLCT4C04VC24C24911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC24	WLCT4C04VC24VC2413	5 U	9.9 U	5 U	5 U	5 U	11	10 J	5 U	5 U	21
T4-VC24	WLCT4C04VC24VC2435	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-VC24	WLCT4C04VC24VC2457	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-VC24	WLCT4C04VC24VC2479	5 U	9.9 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.9 U
T4-VC25	WLCT4C04VC25C25911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC25	WLCT4C04VC25VC2513	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC25	WLCT4C04VC25VC2535	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC25	WLCT4C04VC25VC2557	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC25	WLCT4C04VC25VC2579	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC26	WLCT4C04VC26V2613	5.1 U	11 U	5.1 U	5.1 U	13	29 U	28	5.1 U	5.1 U	41
T4-VC26	WLCT4C04VC26VC2635	5 U	10 U	5 U	5 U	53	88 U	130	5 U	5 U	183
T4-VC26	WLCT4C04VC26VC2657	5.1 U	11 U	5.1 U	5.1 U	18	33 U	26	5.1 U	5.1 U	44
T4-VC26	WLCT4C04VC26VC2679	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-VC27	WLCT4C04VC27VC2713	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC27	WLCT4C04VC27VC2735	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC27	WLCT4C04VC27VC2757	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-VC27	WLCT4C04VC27VC2779	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC28	WLCT4C04VC28VC2813	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC28	WLCT4C04VC28VC2835	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC28	WLCT4C04VC28VC2857	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC28	WLCT4C04VC28VC2879	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC29	WLCT4C04VC29C29911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC29	WLCT4C04VC29VC2913	50 U	100 U	50 U	50 U	50 U	240 U	1000	50 U	50 U	1000
T4-VC29	WLCT4C04VC29VC2935	5 U	10 U	5 U	5 U	6.7	22 U	17	5 U	5 U	23.7
T4-VC29	WLCT4C04VC29VC2957	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC29	WLCT4C04VC29VC2979	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC30	WLCT4C04VC30C30911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC30	WLCT4C04VC30VC3013	5 U	10 U	5 U	5 U	19	43 U	50	5 U	5 U	69
T4-VC30	WLCT4C04VC30VC3035	5 U	10 U	5 U	5 U	73	130 U	96	5 U	5 U	169
T4-VC30	WLCT4C04VC30VC3057	5 U	10 U	5 U	5 U	37	71 U	57	5 U	5 U	94
T4-VC30	WLCT4C04VC30VC3079	5 U	10 U	5 U	5 U	50	110 U	83	5 U	5 U	133
T4-VC31	WLCT4C04VC31C31911	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
T4-VC31	WLCT4C04VC31VC3113	5 U	10 U	5 U	5 U	9	18 U	22	5 U	5 U	31
T4-VC31	WLCT4C04VC31VC3135	5 U	10 U	5 U	5 U	38	66 U	58	5 U	5 U	96
T4-VC31	WLCT4C04VC31VC3157	5 U	10 U	5 U	5 U	12 J	42 U	25 J	5 U	20 J	57 J

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
T4-VC31	WLCT4C04VC31VC3179	5 U	10 U	5 U	5 U	5 U	5 U	14 U	13 U	49 J	49 J
T4-VC32	WLCT4C04VC32VC3213	5.1 U	11 U	5.1 U	5.1 U	24	45 U	64	5.1 U	5.1 U	88
T4-VC32	WLCT4C04VC32VC3235	5 U	10 U	5 U	5 U	22	33 U	29	5 U	5 U	51
T4-VC32	WLCT4C04VC32VC3257	5.1 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U
T4-VC32	WLCT4C04VC32VC3279	5.7 U	12 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	12 U
C104105	WLCT4J97104105B41603	10 U	20 U	10 U	10 U	10 U	10 U	20.6			20.6 T
HC-VC-102	WLCT4J97CVC102B41601	10 U	20 U	15 U	10 U	10 U	10 U	10 U			20 UT
HC-VC-102	WLCT4J97CVC102B41604	10 U	20 U	20 U	10 U	10 U	10 U	10 U			20 UT
HC-VC-103	WLCT4J97CVC103B41602	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
T4COMP	WLCT4L01T4COMPCOMP	4.2 UT	4.2 UT	4.2 UT	22 T	4.2 UT	17.5 JT	17 JT			56.5 T
T4-VC-01	WLCT4L01T4VC01T4011A	4.2 U	4.2 U	4.2 U	35 P	4.2 U	89	66			190 T
T4-VC-01	WLCT4L01T4VC01T4011B	55 U	55 U	55 U	55 U	55 U	95	55			150 T
T4-VC-01	WLCT4L01T4VC01T4011C	16 U	31 U	16 U	16 U	16 U	75	54			129 T
T4-VC-02	WLCT4L01T4VC02T4012A	4.3 UJ	4.3 UJ	4.3 UJ	15 JP	4.3 UJ	47 J	35 J			97 T
T4-VC-02	WLCT4L01T4VC02T4012B	53 U	53 U	53 U	53 U	53 U	69	53 U			69 T
T4-VC-03	WLCT4L01T4VC03T4013A	4.2 U	4.2 U	4.2 U	56 P	4.2 U	220	180			456 T
HC-VC-B501-03	WLCT5K99B50103argeC1	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-B501-C1	WLCT5K99B501C1B501C1	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
HC-B503-C1	WLCT5K99B503C1B503C1	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
WR-VC-01	WLR0499WRVC01WRVC01	17 U	34 U	17 U	17 U	17 U	17 U	17 U			34 UT
WR-VC-02	WLR0499WRVC02WRVC02	19 U	37 U	19 U	19 U	19 U	19 U	19 U			37 UT
WR-VC-03	WLR0499WRVC03WRVC03	21 U	43 U	21 U	21 U	21 U	21 U	21 U			43 UT
WR-VC-04	WLR0499WRVC04WRVC04	16 U	32 U	16 U	16 U	16 U	16 U	16 U			32 UT
WR-VC-05	WLR0499WRVC05WRA	20 U	39 U	20 U	20 U	20 U	20 U	20 U			39 UT
WR-VC-05	WLR0499WRVC05WRVC05	17 U	33 U	17 U	17 U	17 U	17 U	17 U			33 UT
WR-VC-06	WLR0499WRVC06WRVC06	17 U	34 U	17 U	17 U	17 U	17 U	17 U			34 UT
WR-VC-07	WLR0499WRVC07WRVC07	17 U	35 U	17 U	17 U	17 U	17 U	17 U			35 UT
WR-VC-08	WLR0499WRVC08WRVC08	17 U	35 U	17 U	17 U	17 U	17 U	17 U			35 UT
WR-VC-08	WLR0499WRVC08WRVC8C	14 U	28 U	14 U	14 U	14 U	14 U	14 U			28 UT
WR-VC-09	WLR0499WRVC09WRVC09	17 U	34 U	17 U	17 U	17 U	17 U	17 U			34 UT
WR-BC-03	WLR0797WRBC03WRBC03	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-CD-40	WLR0797WRCD40RCD40A	25 U	20 U	25 U	10 U	50 U	46	15			61 T
WR-CD-41	WLR0797WRCD41RCD41A	10 U	10 U	10 U	10 U	10 U	6	6			12 T
WR-CD-41	WLR0797WRCD41RCD41B	10 U	10 U	10 U	10 U	10 U	11	16			27 T
WR-CD-42	WLR0797WRCD42RCD42A	10 U	10 U	10 U	10 U	10 U	11	12			23 T
WR-CD-42	WLR0797WRCD42RCD42B	10 U	10 U	10 U	10 U	10 U	26	31			57 T
WR-CD-42	WLR0797WRCD42RCD42C	10 UG	10 UG	10 UG	10 U	10 UG	24	21			45 T
WR-CD-42	WLR0797WRCD42RCD42D	10 U	10 U	10 U	10 U	10 U	90	156			246 T
WR-CD-43	WLR0797WRCD43RCD43A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-CD-43	WLR0797WRCD43RCD43B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-CD-43	WLR0797WRCD43WRD	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-02	WLR0797WRGC02RGC02A	10 U	10 U	10 U	10 U	10 U	10 U	5			5 T
WR-GC-02	WLR0797WRGC02RGC02B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-04	WLR0797WRGC04RGC04A	10 U	10 U	10 U	29	10 U	43	10 U			72 T
WR-GC-04	WLR0797WRGC04RGC04B	10 U	10 U	10 U	10 U	10 U	10 U	7			7 T
WR-GC-05	WLR0797WRGC05RGC05A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-05	WLR0797WRGC05RGC05B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-06	WLR0797WRGC06RGC06A	10 UG	10 UG	10 UG	10 U	10 UG	10 U	10 U			10 UT
WR-GC-06	WLR0797WRGC06RGC06B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-11	WLR0797WRGC11RGC11A	10 U	10 U	10 U	7	10 U	10 U	21			28 T
WR-GC-18	WLR0797WRGC18RGC18A	10 U	10 U	10 U	10 U	10 U	10 U	19			19 T
WR-GC-19	WLR0797WRGC19RGC19A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-24	WLR0797WRGC24RGC24A	10 U	15 U	10 U	10 U	10 U	10 U	21			21 T
WR-GC-24	WLR0797WRGC24RGC24B	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-GC-25	WLR0797WRGC25RGC25A	10 UG	10 UG	10 UG	26	10 UG	10 U	52			78 T
WR-GC-30	WLR0797WRGC30RGC30A	10 U	10 U	10 U	10 U	10 U	10 U	22			22 T
WR-GC-31	WLR0797WRGC31RGC31A	10 U	10 U	10 U	10 U	10 U	10 U	9			9 T
WR-GC-32	WLR0797WRGC32RGC32A	10 U	10 U	10 U	10 U	10 U	10 U	9			9 T
WR-GC-33	WLR0797WRGC33RGC33A	10 U	10 U	10 U	10 U	20 U	10 U	43			43 T
WR-GC-34	WLR0797WRGC34RGC34A	10 UG	10 UG	10 UG	10 U	10 UG	14	23			37 T

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Table C2-13. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Subsurface Sediment Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**										
WR-GC-35	WLR0797WRGC35RGC35A	10 U	10 U	10 U	10 U	10 U	44	42			86 T
WR-GC-37	WLR0797WRGC37RGC37A	10 U	10 U	10 U	10 U	10 U	4	6			10 T
WR-GC-38	WLR0797WRGC38RGC38A	10 U	20 U	10 U	10 U	10 U	10 U	10 U			20 UT
WR-GC-39	WLR0797WRGC39RGC39A	10 U	10 U	10 U	10 U	10 U	10 U	10 U			10 UT
WR-VC-06	WLR1199WRVC06C06ABC	16 U	32 U	16 U	16 U	16 U	16 U	16 U			32 UT
WR-VC-06	WLR1199WRVC06RVC06D	15 U	29 U	15 U	15 U	15 U	15 U	15 U			29 UT
WR-VC-07	WLR1199WRVC07C07ABC	14 U	29 U	14 U	14 U	14 U	14 U	14 U			29 UT
WR-VC-07	WLR1199WRVC07RVC07D	13 U	26 U	13 U	13 U	13 U	13 U	13 U			26 UT
SD001	WR-WSI98SD0010000A	19 UJ	39 UJ	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ			39 UT
SD035	WR-WSI98SD0350000A	19 UJ	39 UJ	19 UJ	19 UJ	19 UJ	78 UIJ	78 UIJ			78 UT
SD048	WR-WSI98SD048000ACC	19 UJT	38 UJT	19 UJT	19 UJT	19 UJT	57 JT	57 JT			114 T
SD049	WR-WSI98SD0490000A	20 U	40 U	20 U	20 U	20 U	30	40 UI			30 T
SD055C	WR-WSI98SD055C0000A	170 U	350 U	170 U	170 U	170 U	170 U	170 U			350 UT
SD057	WR-WSI98SD0570000A	20 U	40 U	20 U	20 U	20 U	20 U	20 U			40 UT
SD072	WR-WSI98SD0720000A	19 U	38 U	19 U	19 U	19 U	57	50 UI			57 T
SD074	WR-WSI98SD0740000A	20 UJ	39 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ			39 UT
SD084	WR-WSI98SD084000ACC	7500 UT	15000 UT	7500 UT	7500 UT	7500 UT	7500 UT	7500 UT			15000 UT
SD090	WR-WSI98SD0900000A	1600 U	3100 U	1600 U	1600 U	1600 U	1600 U	1600 U			3100 UT
SD092	WR-WSI98SD0920000A	75000 U	150000 U	75000 U	75000 U	75000 U	75000 U	75000 U			150000 UT
SD096	WR-WSI98SD0960000A	19 U	38 U	19 U	19 U	19 U	70	160			230 T
SD106	WR-WSI98SD1060000A	19 UJ	39 UJ	19 UJ	19 UJ	19 UJ	15 J	19 UJ			15 T
SD116	WR-WSI98SD1160000A	20 UJ	39 UJ	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ			39 UT
SD117	WR-WSI98SD1170000A	19 U	38 U	19 U	19 U	19 U	72	70 UI			72 T
SD122	WR-WSI98SD1220000A	19 U	38 U	19 U	19 U	19 U	40	33			73 T
SD125	WR-WSI98SD1250000A	20 U	40 U	20 U	20 U	20 U	33	24			57 T
SD127	WR-WSI98SD1270000A	20 UJ	39 UJ	20 UJ	20 UJ	20 UJ	25 J	20 UJ			25 T
SD133	WR-WSI98SD1330000A	19 UJ	38 UJ	19 UJ	69 J	19 UJ	1500	810			2379 T
SD138	WR-WSI98SD1380000A	19 UJ	38 UJ	19 UJ	19 UJ	19 UJ	40 J	120 J			160 T
SD141	WR-WSI98SD1410000A	19 UJ	39 UJ	19 UJ	19 UJ	19 UJ	59 J	81 J			140 T
SD150	WR-WSI98SD1500000A	19 U	38 U	19 U	19 U	19 U	23	25			48 T
SD151	WR-WSI98SD1510000A	19 U	39 U	19 U	19 U	19 U	70	31			101 T

Notes:

B - Analyte detected in method blank.

E - Estimated.

G - Estimate is greater than value shown.

I - the MRL/MDL has been elevated due to a chromatographic interference.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	PCB004_010	PCB005_008	25569-80-6	PCB007_009	2050-67-1	PCB012_013	34883-41-5	2050-68-2	PCB016_032	37680-66-3
	Chemical Name	PCB001	PCB002	PCB003	PCB004 & 010	PCB005 & 008	PCB006	PCB007 & 009	PCB011	PCB012 & 013	PCB014	PCB015	PCB016 & 032	PCB017
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C019-2	LW2-C019-B2	882	306	1360	7750	16900	7730	1360	433	3000	5.05 U	18900	22800	17400
C025-2	LW2-C025-B2	9.21	5.06	64.4	69.9	806	170	30.6	16.8	250	3.31 U	6040	1930	1540
C093	LW2-C093-B	123	33.8	77.5	229	638	180	66.4	61.4 U	61.4 U	61.4 U	310	2760	1840
C111-2	LW2-C111-B2	229 T	57.1 T	212 T	1430 T	6220 T	1130 T	530 T	183 T	425 T	5.02 UT	3680 T	6680 T	4670 T
C184	LW2-C184-B	79.4	23.8	69.4	377	1640	501	126	38 J	184	41.8 U	971	2310	1720
C203	LW2-C203-C	6220	515	3510	2960	7020	1860	1570	72.2 U	937	50.6 U	3470	3080	2180
C207-1	LW2-C207-B	70.8	42.9	67.5	49.8 U	170	49.8 U	49.8 U	49.8 U	49.8 U	49.8 U	122	284	198
C263	LW2-C263-C	33.8 J	42.9 J	55 J	199 U	199 U	199 U	199 U	199 U	199 U	199 U	199 U	99.6 U	99.6 U
C277	LW2-C277-C	95.9	68.6	110	124	536	101	53.6	24.1 U	78.7	24.1 U	408	1250	1060
C293-2	LW2-C293-B2	71.1	85.3	86.8	80.3	329	74	25.2 U	31.3 U	25.2 U	25.2 U	138	697	558
C302	LW2-C302-B	118	60.6 J	131	306	1210	184 U	184 U	184 U	184 U	184 U	358	2440	1510
C302	LW2-C302-C	393	653	789	517 U	517 U	517 U	517 U	517 U	517 U	517 U	517 U	259 U	259 U
C327	LW2-C327-D	26.6 T	5.88 JT	19.2 T	49.9 T	202 T	131 T	15.8 UT	13.3 UT	52 T	15.8 UT	126 T	383 T	300 T
C342	LW2-C342-B	117	44.6	67.8	79.7	235	19.8 U	19.8 U	214 U	19.8 U	19.8 U	225	283	199
C342	LW2-C342-C	92.5	22.4	80.5	114	510	118	59.5	20.7 U	83	20.7 U	411	761	614
C366-1	LW2-C366-C1	229	36.8	145	1380	4190	763	335	152	285	41.5 U	1910	9750	5620
C371	LW2-C371-B	226	45.7	195	523	2520	1010	184	132	336	4.94 U	1420	6320	4080
C377	LW2-C377-E	16.7 U	16.7 U	16.7 U	17.3 U	47.9 U	33.5 U	33.5 U	43.8 U	33.5 U	33.5 U	38.7	58.6	31.8
C382	LW2-C382-B	773	39	309	233	608	153	96.1	25.2 U	66.9	25.2 U	217	485	320
C397	LW2-C397-C	310	46.9	171	293	1060	260	123	36.9 U	136	25 U	672	1520	1110
C401	LW2-C401-E	166	24.7 U	119	3370	15100	2230	728	49.5 U	303	49.5 U	5060	23900	15000
C409	LW2-C409-C	73.1	6.32 J	24.8	100	320	68.6	20.7 U	20.7 U	20.7 U	20.7 U	259	1120	639
C420	LW2-C420-C	129	504	272	147	418	152	20.8 U	207 U	100	20.8 U	186	1050	522
C431	LW2-C431-B	1290	115	644	12300	42900	8170	3730	135 U	1920	62.5 U	14900	34700	24600
C453	LW2-C453-B	48300	5910	30000	45400	154000	26100	14000	833	5580	30.9 U	47700	150000	102000
C455	LW2-C455-B	65100	7660	38400	353000	1240000	202000	71300	3990	32300	1290 U	334000	1300000	858000
C455	LW2-C455-C	3070	405	2540	2420	9130	1790	1020	117	619	50.6 U	3380	6640	4710
C477	LW2-C477-B	76.3	29	93.4	97.9	365	84.6	25.2 U	104 U	73.8	25.2 U	1080	1140	452
C494	LW2-C494-C	524	82.4	269	1950	6200	2010	593	200 U	365	22.5 U	2620	5280	3520

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	37680-65-2	38444-73-4	PCB020_021_033	38444-85-8	55720-44-0	PCB024_027	55712-37-3	38444-81-4	7012-37-5	15862-07-4	35693-92-6	16606-02-3	37680-68-5
	Chemical Name	PCB018	PCB019	PCB020 & 021 & 033	PCB022	PCB023	PCB024 & 027	PCB025	PCB026	PCB028	PCB029	PCB030	PCB031	PCB034
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C019-2	LW2-C019-B2	29400	3910	12500	9370	25.1	2590	10100	17500	51900	91.3	2.53 U	41600	655
C025-2	LW2-C025-B2	1780	87.1	389	302	2.64	145	557	1550	3540	1.87	1.66 U	5000	102
C093	LW2-C093-B	4720	246	4060	2500	30.7 U	190	708	1010	8510	30.7 U	30.7 U	8080	81.8
C111-2	LW2-C111-B2	10600 T	908 T	8840 T	4710 T	13.9 JT	815 T	1330 T	2320 T	12400 T	94 T	2.51 UT	14800 T	103 T
C184	LW2-C184-B	3810	297	2740	1570	6.81 J	260	626	922	5390	25.3	20.9 U	4420	67.8
C203	LW2-C203-C	5120	463	3780	1980	25.3 U	368	2120	3480	6950	44.4	25.3 U	7040	89.4
C207-1	LW2-C207-B	313	35	387	211	24.9 U	30.1	104	110	801	24.9 U	24.9 U	891	15 J
C263	LW2-C263-C	99.6 U	99.6 U	116	99.6 U	99.6 U	99.6 U	99.6 U	99.6 U	147	99.6 U	99.6 U	99.6 U	99.6 U
C277	LW2-C277-C	1020	125	1340	822	12 U	123	224	404	3470	8.43 J	12 U	2740	58.7
C293-2	LW2-C293-B2	383	73.2	824	489	12.6 U	62.3	176	386	1920	4.71 J	12.6 U	1770	31.6
C302	LW2-C302-B	1950	279	2690	1500	91.9 U	234	416	743	5000	91.9 U	91.9 U	4730	46.5 J
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	669 T	36.8 T	414 T	271 T	7.88 UT	33.2 T	274 T	324 T	937 T	2.75 JT	7.88 UT	849 T	12.2 T
C342	LW2-C342-B	405	45.6	321	180	9.89 U	36	66.8	99.2	765	3.66 J	9.89 U	516	9.26 J
C342	LW2-C342-C	1260	80.1	1110	590	3.01 J	82	179	270	2350	7.41 J	10.3 U	1630	33.9
C366-1	LW2-C366-C1	19400	1150	12300	7830	16.8 J	810	1400	2800	20400	60.7	20.7 U	24600	90.4
C371	LW2-C371-B	12400	660	11200	5650	19.5	504	5660	7180	9250	43	2.47 U	28700	278
C377	LW2-C377-E	79.6	16.7 U	101	16.7 U	16.7 U	16.7 U	24.6	40.4	154	16.7 U	16.7 U	194	16.7 U
C382	LW2-C382-B	700	66.4	510	249	12.6 U	45.7	277	503	967	3.29 J	12.6 U	910	11.7 J
C397	LW2-C397-C	2340	176	1940	963	12.5 U	165	447	668	4570	14.7	12.5 U	2810	56.9
C401	LW2-C401-E	42400	2800	31800	17100	35.8	2290	3040	6430	41200	85.1	14.9 J	50000	282
C409	LW2-C409-C	1690	168	949	586	10.3 U	111	124	247	2000	5.57 J	10.3 U	1750	19.9
C420	LW2-C420-C	647	75	457	247	16	48.1	108	162	2190	10.4 U	10.4 U	1010	16.7
C431	LW2-C431-B	58200	5490	44800	24300	92.2	4050	6290	10200	64400	412	31.3 U	56100	538
C453	LW2-C453-B	245000	23700	354000	181000	386	17300	39800	82800	251000	1670	15.5 U	677000	3050
C455	LW2-C455-B	2330000	215000	1650000	884000	2480	142000	187000	354000	2160000	15200	644 U	2060000	10600
C455	LW2-C455-C	11300	948	8100	4380	12.2 J	727	1090	1900	12600	63.1	25.3 U	10400	94.4
C477	LW2-C477-B	963	211	713	776	12.6 U	165	187	275	2970	6.79 J	12.6 U	1260	15.7
C494	LW2-C494-C	8150	778	5400	3100	8.3 J	582	1210	1960	9530	49.9	11.3 U	8290	73.2

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1	38444-93-8	PCB041_064_071_	PCB042_059	PCB043_049	41464-39-5	70362-45-7	41464-47-5
	Chemical Name	PCB035	PCB036	PCB037	PCB038	PCB039	PCB040	PCB041 & 064 & 071 & 072	PCB042 & 059	PCB043 & 049	PCB044	PCB045	PCB046
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**												
C019-2	LW2-C019-B2	339	26.9	9040	517	200	8120	47700	15300	53800	48900	8370	5320
C025-2	LW2-C025-B2	26.4	2.43	557	185	23.7	333	6450	842	12900	2890	559	938
C093	LW2-C093-B	40.9	30.7 U	1190	57.9	16.2 J	2390	14200	4730	14200	19700	2160	1010
C111-2	LW2-C111-B2	159 T	2.51 UT	3720 T	55.4 T	18.2 T	1930 T	9460 T	3850 T	9790 T	11700 T	2000 T	887 T
C184	LW2-C184-B	79.7	20.9 U	1220	34.2	25.1	972	4920	1970	5410	5790	886	389
C203	LW2-C203-C	156	25.3 U	1540	116	45.3	3230	22900	5980	43700	59500	1580	762
C207-1	LW2-C207-B	27	24.9 U	203	42.3	18.1 J	202	2210	863	7230	4210	138	80
C263	LW2-C263-C	99.6 U	99.6 U	99.6 U	99.6 U	99.6 U	99.6 U	250	78.6 J	255	411	22 J	99.6 U
C277	LW2-C277-C	53.6	3.43 J	833	38.9	20.5	749	4290	1610	4540	4950	636	264
C293-2	LW2-C293-B2	31.9	12.6 U	427	39.7	13.1	443	2900	1090	4130	3750	351	153
C302	LW2-C302-B	84.4 J	91.9 U	1080	48.6 J	91.9 U	1480	7640	2600	6280	8690	1290	560
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	16.1 T	7.88 UT	147 T	4.66 JT	4.71 JT	240 T	1150 T	427 T	1450 T	1440 T	223 T	98 T
C342	LW2-C342-B	18	9.89 U	239	11.9	9.5 J	178	1180	413	1700	1370	129	64.5
C342	LW2-C342-C	35.4	3.16 J	630	20	21.2	584	3310	1230	3840	3970	437	195
C366-1	LW2-C366-C1	148	17.5 J	4030	156	32	6190	31800	10600	25000	36500	5780	2460
C371	LW2-C371-B	234	2.47 U	2620	200	26.6	1970	13200	6180	17800	21600	3370	1450
C377	LW2-C377-E	6.81 J	16.7 U	30.5	16.7 U	16.7 U	32.8	172	54.5	216	294	19.4	11.8 J
C382	LW2-C382-B	27.1	27.6	184	33.5	31.2	373	3360	1080	7550	6500	174	132
C397	LW2-C397-C	65.9	10.3 J	993	44	38.9	1020	6440	2440	9910	9000	783	359
C401	LW2-C401-E	270	24.7 U	9270	320	30.2	9100	45900	15800	36800	49100	8610	3780
C409	LW2-C409-C	20.7	2.22 J	507	22.5	16.1	1080	5270	1860	5850	7980	833	381
C420	LW2-C420-C	26.9	10.4 U	226	134	31.2	476	5440	1470	11200	7520	213	532
C431	LW2-C431-B	807	16.1 J	16700	212	130	7250	33400	14200	31100	37000	8010	3270
C453	LW2-C453-B	2670	23.9	62500	954	176	31000	143000	58700	137000	165000	35000	15200
C455	LW2-C455-B	21000	644 U	510000	7450	1410	345000	1650000	624000	1320000	1810000	363000	149000
C455	LW2-C455-C	126	25.3 U	2860	75.3	25.8	1540	7940	2930	8520	9880	1460	616
C477	LW2-C477-B	39.6	12.6 U	1190	28.1	11 J	1100	6810	2150	9180	11200	875	328
C494	LW2-C494-C	114	6.49 J	2150	224	28.6	1290	8130	2870	19200	8210	1310	703

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	2437-79-8	PCB048_075	62796-65-0	68194-04-7	PCB052_069	41464-41-9	15968-05-5	74338-24-2	PCB056_060	70424-67-8	41464-49-7	PCB061_070	54230-22-7	74472-34-7
	Chemical Name	PCB047	PCB048 & 075	PCB050	PCB051	PCB052 & 069	PCB053	PCB054	PCB055	PCB056 & 060	PCB057	PCB058	PCB061 & 070	PCB062	PCB063
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C019-2	LW2-C019-B2	27300	7650	260	5410	62400	12400	241	621	28700	419	147	50600	8.83	2240
C025-2	LW2-C025-B2	9970	727	41.4	1650	9560	2260	14.1	68.8	1870	64	20.3	4380	1.66 U	299
C093	LW2-C093-B	5090	3110	33.8	717	27400	2380	28.7 J	170	9220	56.8	43.6	21500	30.7 U	561
C111-2	LW2-C111-B2	3800 T	2330 T	42.8 T	651 T	13700 T	1850 T	31.3 T	129 T	4770 T	57.4 T	31.3 T	10900 T	2.51 UT	371 T
C184	LW2-C184-B	1920	1210	27.8	280	6910	819	11.6 J	55.8	2760	42.5	45.9	6630	20.9 U	248
C203	LW2-C203-C	9750	3060	42.3	530	127000	3060	17.8 J	749	12300	274	331	75600	25.3 U	1410
C207-1	LW2-C207-B	3270	301	24.9 U	64.1	8810	250	24.9 U	58.5	1020	23.1 J	68.7	5780	24.9 U	185
C263	LW2-C263-C	78.4 U	58 J	99.6 U	99.6 U	709	99.6 U	99.6 U	99.6 U	200	99.6 U	99.6 U	549	99.6 U	99.6 U
C277	LW2-C277-C	1550	1120	17.6	210	5500	583	7.04 J	43.5	2360	30.5	46.7	6030	12 U	226
C293-2	LW2-C293-B2	1780	661	10.2 J	126	5580	366	5.55 J	58.3	1650	46.7	32.3	4890	12.6 U	144
C302	LW2-C302-B	2210	1890	91.9 U	318	9020	1290	22.7 J	121	5180	49.3 J	91.9 U	8800	91.9 U	324
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	418 T	251 T	4.82 JT	65.1 T	2180 T	210 T	2.76 JT	10.6 T	465 T	8.4 JT	5.62 JT	1040 T	7.88 UT	34.3 T
C342	LW2-C342-B	696	212	5.87 J	106	2290	240	6.91 J	18.3	509	7.55 J	16.7	1640	9.89 U	48.7
C342	LW2-C342-C	1320	765	14	156	5160	455	5.05 J	40.4	1800	18.7	37.6	4990	10.3 U	161
C366-1	LW2-C366-C1	8970	7680	76.7	1590	36500	5310	70.7	399	21400	120	39.4	34500	12.4 J	1140
C371	LW2-C371-B	6950	2720	68.2	955	22900	3330	43.8	301	11500	173	57.9	20200	2.47 U	915
C377	LW2-C377-E	75 U	19.4	16.7 U	6.52 J	538	28	16.7 U	7.36 J	141	16.7 U	16.7 U	415	16.7 U	9.22 J
C382	LW2-C382-B	2560	447	7.7 J	194	13800	475	7.42 J	69.7	1180	31.7	57.6	7100	12.6 U	152
C397	LW2-C397-C	3160	1460	25	279	14600	881	8.58 J	120	3450	67.3	117	12600	12.5 U	397
C401	LW2-C401-E	11700	12300	127	2510	48300	8260	122	559	30000	190	75.1	47600	24.7 U	1660
C409	LW2-C409-C	1940	965	15.6	288	11400	879	11.8	66.9	2710	15.8	29.4	7270	10.3 U	148
C420	LW2-C420-C	8050	671	10.4 U	2270	16200	2320	170	10.4 U	1280	25.8	69.3	8110	10.4 U	220
C431	LW2-C431-B	11000	10300	181	2230	35300	6550	113	383	19100	227	143	34800	13.8 J	1370
C453	LW2-C453-B	55200	33900	636	9920	172000	31700	535	3050	119000	1050	5900	189000	36.8	7090
C455	LW2-C455-B	453000	464000	5860	101000	1680000	314000	5090	27100	1030000	8230	2760	1570000	810	56400
C455	LW2-C455-C	2880	1990	26.5	424	13100	1300	21.4 J	133	4540	45.5	40	11200	25.3 U	308
C477	LW2-C477-B	2630	929	16.3	283	20500	1020	15.7	135	2720	18	64.7	9160	12.6 U	174
C494	LW2-C494-C	18200	1860	32.5	5240	15900	4520	285	212	4000	108	73.1	10500	11.3 U	375

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Table C2-14a. PCB Congener Values Used iin Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	33284-54-7	PCB066_076	73575-53-8	73575-52-7	74338-23-1	32690-93-0	32598-13-3	70362-49-1	41464-48-6	33284-52-5	70362-50-4	52663-62-4	60145-20-2
	Chemical Name	**PCB065**	**PCB066 & 076**	**PCB067**	**PCB068**	**PCB073**	**PCB074**	**PCB077**	**PCB078**	**PCB079**	**PCB080**	**PCB081**	**PCB082**	**PCB083**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**													
C019-2	LW2-C019-B2	22.9	42800	1330	491	2.53 U	19800	4420	2.53 U	432	2.53 U	345	5630	2.53 U
C025-2	LW2-C025-B2	2.59	2820	99.9	164	317	1560	467	1.66 U	55.8	1.66 U	14.6	527	4.56
C093	LW2-C093-B	30.7 U	14500	306	110	30.7 U	6460	955	30.7 U	227	30.7 U	165	3110	30.7 U
C111-2	LW2-C111-B2	10.2 T	8360 T	353 T	95.1 T	2.51 UT	4000 T	736 T	2.51 UT	107 T	2.51 UT	74.9 T	1340 T	2.51 UT
C184	LW2-C184-B	20.9 U	5540	192	91.2	20.9 U	2480	450	20.9 U	107	20.9 U	33.1	699	20.9 U
C203	LW2-C203-C	25.3 U	32300	2010	838	25.3 U	14700	1560	25.3 U	1440	25.3 U	1320	18500	25.3 U
C207-1	LW2-C207-B	24.9 U	4740	44.7	367	24.9 U	976	219	24.9 U	277	24.9 U	54.6	745	24.9 U
C263	LW2-C263-C	99.6 U	269	99.6 U	99.6 U	99.6 U	160	84.5 J	99.6 U	67 J	99.6 U	85.3 J	140	99.6 U
C277	LW2-C277-C	4.79 J	5170	135	90.1	12 U	2220	428	12 U	126	12 U	28.3	657	12 U
C293-2	LW2-C293-B2	12.6 U	3900	114	123	12.6 U	1300	251	12.6 U	212	12.6 U	39.7	554	12.6 U
C302	LW2-C302-B	91.9 U	6840	256	67.9 J	91.9 U	3440	602	91.9 U	116	91.9 U	62.1 J	977	91.9 U
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	61 J	259 U	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	7.88 UT	775 T	38.2 T	17.3 T	7.88 UT	376 T	59.6 T	7.88 UT	13.7 T	7.88 UT	1.76 JT	91.3 T	7.88 UT
C342	LW2-C342-B	9.89 U	1320	30.1	48.9	9.89 U	537	111	9.89 U	53.1	9.89 U	30.2	252	9.89 U
C342	LW2-C342-C	10.3 U	3840	100	87.2	10.3 U	1780	309	10.3 U	92.6	10.3 U	19	670	10.3 U
C366-1	LW2-C366-C1	21.2	26100	853	133	20.7 U	15200	2030	20.7 U	248	20.7 U	183	4150	40.8
C371	LW2-C371-B	5.52	15100	1120	86.5	2.47 U	8950	1240	2.47 U	139	2.47 U	127	2250	2.47 U
C377	LW2-C377-E	16.7 U	282	8.19 J	16.7 U	16.7 U	115	25 U	16.7 U	14.3 J	16.7 U	7.01 U	91.9	16.7 U
C382	LW2-C382-B	12.6 U	3600	68.6	223	12.6 U	1340	216	12.6 U	240	13.7	45.6	1310	12.6 U
C397	LW2-C397-C	12.5 U	9660	220	270	12.5 U	3940	799	12.5 U	333	12.5 U	88.3	2280	12.5 U
C401	LW2-C401-E	24.7 U	38800	1270	89.9	24.7 U	22100	3070	24.7 U	260	24.7 U	240	4190	32.3
C409	LW2-C409-C	10.3 U	4730	84.9	79.4	10.3 U	2150	363	10.3 U	134	10.3 U	49.6	1440	5.49 J
C420	LW2-C420-C	10.4 U	4030	38.8	292	10.4 U	1700	270	10.4 U	230	10.4 U	55.6	1480	10.4 U
C431	LW2-C431-B	45.9	29500	1430	280	31.3 U	15900	3120	31.3 U	314	31.3 U	131	2300	22.5 J
C453	LW2-C453-B	155	159000	203	15.5 U	15.5 U	82300	13700	15.5 U	907	15.5 U	895	13000	15.5 U
C455	LW2-C455-B	1490	1280000	58900	4300	644 U	739000	120000	644 U	6490	644 U	5010	129000	1450
C455	LW2-C455-C	25.3 U	8030	272	102	25.3 U	4050	723	25.3 U	209	25.3 U	85.1	1440	25.3 U
C477	LW2-C477-B	12.6 U	6590	81.8	174	12.6 U	2280	456	12.6 U	299	12.6 U	96.1	3460	7.19 J
C494	LW2-C494-C	12.7	8650	287	385	330	3530	761	11.3 U	450	40.8	20.9	1450	11.3 U

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	PCB084_092	PCB085_116	55312-69-1	PCB087_117_125	PCB088_091	73575-57-2	PCB090_101	73575-56-1	73575-55-0	PCB095_098_102	73575-54-9	41464-51-1
	Chemical Name	**PCB084 & 092**	**PCB085 & 116**	**PCB086**	**PCB087 & 117 & 125**	**PCB088 & 091**	**PCB089**	**PCB090 & 101**	**PCB093**	**PCB094**	**PCB095 & 098 & 102**	**PCB096**	**PCB097**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**												
C019-2	LW2-C019-B2	18400	6940	1210	13100	8150	827	31000	2.53 U	493	29600	813	12200
C025-2	LW2-C025-B2	3200	777	48.6	1340	1750	71.9	4910	1.66 U	398	6810	105	1010
C093	LW2-C093-B	13900	4290	128	12700	3900	373	30700	30.7 U	107	22900	214	9860
C111-2	LW2-C111-B2	5510 T	1780 T	266 JT	4670 T	1760 T	124 T	12300 T	2.51 UT	58.1 T	9590 T	112 T	3890 T
C184	LW2-C184-B	3400	985	25.5	2020	1120	102	7600	20.9 U	35.4	5330	67.4	1960
C203	LW2-C203-C	89700	24700	880	79400	23900	1130	205000	25.3 U	523	160000	924	61000
C207-1	LW2-C207-B	8220	1220	117	3540	2370	69	22100	24.9 U	47.2	14900	64	4610
C263	LW2-C263-C	616	227	99.6 U	621	178	99.6 U	2040	99.6 U	99.6 U	1480	99.6 U	401
C277	LW2-C277-C	3550	1010	18.6	1860	991	96.6	8060	12 U	32.5	5510	57	1980
C293-2	LW2-C293-B2	5480	952	18.3	2440	1320	67.7	16400	12.6 U	28	11100	44.2	2020
C302	LW2-C302-B	3100	1350	91.9 U	2670	1120	157	7320	91.9 U	52.7 J	5740	96.8	2070
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	708	685	259 U	633	259 U	259 U
C327	LW2-C327-D	559 T	134 T	4.05 JT	289 T	228 T	16.2 T	1250 T	7.88 UT	6.38 JT	1180 T	12.9 T	268 T
C342	LW2-C342-B	1460	392	9.89 U	903	592	21.4	3650	9.89 U	22	2780	27.6	833
C342	LW2-C342-C	3080	962	16.4	2030	1090	69.2	7740	10.3 U	36.3	5700	51.8	1910
C366-1	LW2-C366-C1	11300	6240	460	11200	4450	725	23800	20.7 U	206	18900	435	8970
C371	LW2-C371-B	7620	2680	245	5600	2980	391	13100	2.47 U	145	12500	191	4740
C377	LW2-C377-E	582	155	39.8	572	124	16.7 U	2120	16.7 U	16.7 U	1390	16.7 U	391
C382	LW2-C382-B	8230	1890	33.2	5520	2670	99.7	18700	7.06 J	73.6	15200	95.5	4970
C397	LW2-C397-C	12300	3820	63.2	8300	3610	203	29700	12.5 U	81.7	20000	133	7750
C401	LW2-C401-E	10500	5710	430	9430	4460	875	18700	24.7 U	224	16500	463	8200
C409	LW2-C409-C	6050	2060	64.5	5310	1920	149	14700	10.3 U	59.3	11400	101	4220
C420	LW2-C420-C	8810	2200	10.4 U	6270	4010	106	20900	10.4 U	225	16600	283	5130
C431	LW2-C431-B	10600	3440	191	6670	3660	463	25600	31.3 U	157	19100	315	6480
C453	LW2-C453-B	52100	14000	3370	41000	15400	2030	111000	15.5 U	574	88300	1320	36800
C455	LW2-C455-B	316000	165000	13300	296000	130000	23700	638000	644 U	6570	546000	14700	243000
C455	LW2-C455-C	6540	2140	39.6	5300	1950	135	18900	25.3 U	55.9	13600	99.6	4160
C477	LW2-C477-B	14000	5250	86.5	13300	4700	240	35400	12.6 U	120	26700	192	10400
C494	LW2-C494-C	13000	2400	38.8	5110	7490	143	37300	11.3 U	675	24600	697	4290

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	38380-01-7	39485-83-1	60145-21-3	56558-16-8	32598-14-4	PCB106_118	PCB107_109	PCB108_112	38380-03-9	PCB111_115	68194-10-5	74472-37-0	56558-17-9	68194-12-7
	Chemical Name	**PCB099**	**PCB100**	**PCB103**	**PCB104**	**PCB105**	**PCB106 & 118**	**PCB107 & 109**	**PCB108 & 112**	**PCB110**	**PCB111 & 115**	**PCB113**	**PCB114**	**PCB119**	**PCB120**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**														
C019-2	LW2-C019-B2	17500	425	532	25.2	11700	27800	2250	2360	35300	1410	2.53 U	883	1130	30
C025-2	LW2-C025-B2	2270	324	406	3.76	1270	2950	392	344	3150	93.4	49.2	103	239	28
C093	LW2-C093-B	13100	114	219	30.7 U	7570	22500	1500	1350	34700	486	30.7 U	444	545	45.7
C111-2	LW2-C111-B2	5680 T	58.6 T	135 T	2.51 UT	3590 T	10900 T	766 T	582 T	13900 T	270 T	2.51 UT	228 T	337 T	13.2 T
C184	LW2-C184-B	3640	71.6	178	20.9 U	1470	5460	586	366	7310	81	51.9	99.3	323	51.7
C203	LW2-C203-C	79700	489	1450	25.3 U	49600	162000	11300	9040	225000	3000	25.3 U	2790	4060	273
C207-1	LW2-C207-B	12700	225	591	24.9 U	2080	12500	1470	832	19700	206	24.9 U	114	1110	47.1
C263	LW2-C263-C	594	99.6 U	99.6 U	99.6 U	438	1360	143	99.6 U	1760	48.9 J	99.6 U	99.6 U	37.2 J	99.6 U
C277	LW2-C277-C	3830	48.6	225	12 U	1160	5230	617	388	7470	59.6	27.5	65.2	370	58.7
C293-2	LW2-C293-B2	6600	136	525	12.6 U	1580	7110	898	418	10800	92.4	97	85.7	743	120
C302	LW2-C302-B	3100	51.2 J	99.6	91.9 U	2140	5120	465	386	7310	182	91.9 U	167	169	91.9 U
C302	LW2-C302-C	259 U	259 U	259 U	259 U	206 J	492	259 U	259 U	614	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	581 T	19.4 T	56.2 T	7.88 UT	175 T	666 T	72.1 T	50.5 T	1160 T	14 T	13.1 T	10.9 T	66.1 T	11.8 T
C342	LW2-C342-B	1750	54.6	118	2.62 J	649	2490	252	146	3590	38	9.89 U	41.8	166	29
C342	LW2-C342-C	3320	60.7	145	10.3 U	1390	5310	563	333	7450	70.1	20.4	87.9	248	43.9
C366-1	LW2-C366-C1	11800	99.2	172	20.7 U	9490	19300	1470	1430	27200	771	20.7 U	710	496	27.1
C371	LW2-C371-B	6300	69.2	181	2.47 U	4290	9890	849	853	15400	468	2.47 U	265	376	13.3
C377	LW2-C377-E	524	16.7 U	16.7 U	16.7 U	360	1120	68.7	50.1	1830	26.4	13.2 J	24.4	26.4	55.6
C382	LW2-C382-B	8140	146	312	3.03 J	3310	12300	1140	833	19900	220	73.9	198	649	106
C397	LW2-C397-C	14100	168	622	12.5 U	5790	22000	2110	1290	30100	337	114	357	1180	181
C401	LW2-C401-E	11100	89.4	160	24.7 U	8630	15000	1240	1330	21800	679	24.7 U	741	449	24.7 U
C409	LW2-C409-C	5880	76.3	148	2.09 J	3430	10800	792	633	15700	243	26	212	306	36.6
C420	LW2-C420-C	8660	968	570	61.8	3980	13600	1210	897	20800	269	10.4 U	258	805	10.4 U
C431	LW2-C431-B	12300	183	639	31.3 U	4710	14300	1490	1180	22700	341	101	380	1020	153
C453	LW2-C453-B	52300	310	1070	10.1 J	30800	84500	5050	4850	115000	3550	15.5 U	2060	2640	820
C455	LW2-C455-B	307000	2410	4760	130 J	237000	488000	40400	40300	703000	20600	644 U	19100	13000	597 J
C455	LW2-C455-C	7330	80.5	273	25.3 U	4250	13400	1090	644	17800	189	25.3 U	239	489	63.6
C477	LW2-C477-B	14700	111	257	12.6 U	8390	29000	2140	1550	41800	511	51.9	315	802	103
C494	LW2-C494-C	19500	2230	2440	59.1	4580	16700	2270	820	22400	317	494	273	2840	403

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Table C2-14a. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	56558-18-0	76842-07-4	65510-44-3	70424-70-3	57465-28-8	39635-33-1	PCB128_162	55215-18-4	52663-66-8	61798-70-7	PCB132_161	PCB133_142	PCB134_143	52744-13-5
	Chemical Name	PCB121	PCB122	PCB123	PCB124	PCB126	PCB127	PCB128 & 162	PCB129	PCB130	PCB131	PCB132 & 161	PCB133 & 142	PCB134 & 143	PCB135
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C019-2	LW2-C019-B2	2.53 U	428	570	1030	122	2.53 U	2870	840	1030	5.97	5770	609	1150	2470
C025-2	LW2-C025-B2	18.9	53.8	77.2	117	16.7	1.66 U	453	118	219	1.66 U	835	306	335	1150
C093	LW2-C093-B	30.7 U	233	306	923	62	30.7 U	4410	1380	1670	30.7 U	7570	818	1380	3200
C111-2	LW2-C111-B2	2.51 UT	115 T	130 T	398 T	39.3 T	2.51 UT	2120 T	613 T	678 T	2.51 UT	3850 T	407 T	697 T	1410 T
C184	LW2-C184-B	20.9 U	58.6	71.9	173	29.5	20.9 U	800	208	486	7.92 J	1940	324	366	1570
C203	LW2-C203-C	25.3 U	1320	2190	5750	509	25.3 U	35500	10200	13400	30.4	61400	5180	11300	22500
C207-1	LW2-C207-B	24.9 U	70.8	93.5	364	32.2	24.9 U	1880	510	1380	24.9 U	6830	1780	1230	4150
C263	LW2-C263-C	99.6 U	40 J	46.7 J	99.6 U	70.4 J	48.6 J	361	120	203	99.6 U	871	115	169	465
C277	LW2-C277-C	12 U	43.1	49.7	127	21.5	12 U	1020	247	862	12 U	2930	468	523	1810
C293-2	LW2-C293-B2	26.2	53.9	59.6	182	31.5	12.6 U	1870	488	1840	12.6 U	7900	1550	1320	6090
C302	LW2-C302-B	91.9 U	90.8 J	115	250	61.3 J	91.9 U	1010	318	505	91.9 U	2460	202	419	1310
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	259 U	275	259 U	259 U	259 U
C327	LW2-C327-D	3.32 JT	6.69 JT	9.02 T	22.3 T	3.02 JT	7.88 UT	118 T	33.2 T	80.5 T	7.88 UT	357 T	57.1 T	58.1 T	268 T
C342	LW2-C342-B	9.89 U	24.9	31.3	99.3	13.2	9.89 U	524	139	342	9.89 U	1180	179	200	753
C342	LW2-C342-C	10.3 U	59	72.9	175	27.4	10.3 U	1080	300	726	10.3 U	2590	382	453	1490
C366-1	LW2-C366-C1	20.7 U	381	481	776	111	20.7 U	2080	719	973	39.1	4360	440	816	2020
C371	LW2-C371-B	2.47 U	167	233	358	47.3	2.47 U	1240	344	606	7.78	2820	423	546	1540
C377	LW2-C377-E	16.7 U	13.8 J	16.9	40.8	7.94 J	16.7 U	379	99	182	16.7 U	1230	89.2	176	650
C382	LW2-C382-B	12.6 U	105	143	476	48.8	12.6 U	2250	669	1110	12.6 U	4890	627	865	2640
C397	LW2-C397-C	12.5 U	217	304	759	102	12.5 U	4530	1230	2640	12.5 U	9560	1150	1730	5530
C401	LW2-C401-E	24.7 U	366	427	612	73.1	24.7 U	1010	343	476	24.7 U	2420	229	433	1180
C409	LW2-C409-C	10.3 U	118	173	451	34	10.3 U	2070	674	940	3.17 J	3690	456	707	1820
C420	LW2-C420-C	10.4 U	127	153	529	66.3	10.4 U	2410	766	1270	10.4 U	4980	722	1000	2620
C431	LW2-C431-B	31.3 U	196	254	555	76.9	31.3 U	2170	618	1420	31.3 U	6680	982	1190	5040
C453	LW2-C453-B	15.5 U	930	4330	3080	284	15.5 U	13900	3180	4670	15.5 U	38700	2930	6150	15500
C455	LW2-C455-B	644 U	9550	13500	22200	2020	644 U	44800	15200	19800	644 U	99700	9030	18700	47900
C455	LW2-C455-C	25.3 U	128	152	470	72.5	25.3 U	2700	695	1340	25.3 U	7080	732	1140	3900
C477	LW2-C477-B	12.6 U	295	420	1040	77.2	12.6 U	6480	1960	2670	9.38 J	9530	940	1880	3780
C494	LW2-C494-C	100	151	205	554	121	11.3 U	3510	840	2900	11.3 U	12600	2880	2160	12900

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Table C2-14a. PCB Congener Values Used iin Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	38411-22-2	35694-06-5	PCB138_163_164	PCB139_149	59291-64-4	52712-04-6	68194-14-9	74472-40-5	PCB146_165	68194-13-8	74472-41-6
	Chemical Name	**PCB136**	**PCB137**	**PCB138 & 163 & 164**	**PCB139 & 149**	**PCB140**	**PCB141**	**PCB144**	**PCB145**	**PCB146 & 165**	**PCB147**	**PCB148**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**											
C019-2	LW2-C019-B2	2610	1160	16400	12900	75.5	3140	679	10.6	2600	496	42.6
C025-2	LW2-C025-B2	1060	198	3800	3810	33.6	631	124	1.66 U	1180	571	114
C093	LW2-C093-B	3220	1400	26000	16500	155	4570	1070	8.01 J	3700	531	92.6
C111-2	LW2-C111-B2	1360 T	769 T	12100 T	7670 T	69.7 T	2020 T	381 T	4.54 T	1760 T	237 T	29.1 T
C184	LW2-C184-B	1290	218	6570	7590	126	1210	347	20.9 U	1730	200	77.8
C203	LW2-C203-C	23500	11900	189000	122000	905	33100	6940	70.9	23300	4120	138
C207-1	LW2-C207-B	4320	512	21500	24000	676	4200	948	24.9 U	9920	503	562
C263	LW2-C263-C	544	99.6 U	3770	3100	99.6 U	858	207	99.6 U	590	99.6 U	99.6 U
C277	LW2-C277-C	1540	235	10100	9570	166	1750	402	12 U	2910	160	89.8
C293-2	LW2-C293-B2	5150	333	29300	30900	555	6570	1590	12.6 U	9160	414	425
C302	LW2-C302-B	1310	292	8660	7640	91.9 U	1960	565	91.9 U	1300	143	91.9 U
C302	LW2-C302-C	259 U	259 U	994	1270	259 U	285	259 U	259 U	259 U	259 U	259 U
C327	LW2-C327-D	252 T	29.9 T	1200 T	1440 T	31 T	221 T	59.1 T	7.88 UT	353 T	32.5 T	18.7 T
C342	LW2-C342-B	674	138	4430	4170	62.8	756	165	9.89 U	1080	130	35.5
C342	LW2-C342-C	1350	311	9330	8330	111	1700	408	2.11 J	2140	185	65.5
C366-1	LW2-C366-C1	2210	734	15400	13100	76.2	3190	892	20.7 U	2020	322	18.8 J
C371	LW2-C371-B	1370	389	8220	7490	2.47 U	1450	408	6.71	1880	164	53.4
C377	LW2-C377-E	691	76.3	4560	4290	16.7 U	1170	262	16.7 U	640	25.7	16.7 U
C382	LW2-C382-B	2490	704	15400	14000	206	2610	716	5.98 J	3040	476	152
C397	LW2-C397-C	5300	1420	36500	31000	363	6660	1490	8.07 J	6860	655	149
C401	LW2-C401-E	1330	312	8250	7540	44.6	1880	455	24.7 U	1180	138	11.6 J
C409	LW2-C409-C	1740	721	13400	10000	134	2320	544	5.29 J	2140	302	64.2
C420	LW2-C420-C	2640	808	16600	14500	204	2720	712	10.4 U	3140	1180	138
C431	LW2-C431-B	4460	598	23900	26800	478	4760	1230	31.3 U	6460	384	254
C453	LW2-C453-B	17800	4050	110000	90100	195	29000	4910	23.8	19500	795	117
C455	LW2-C455-B	57000	14800	350000	328000	1730	79300	22300	172 J	41800	6210	331 J
C455	LW2-C455-C	3860	692	24700	23100	201	5370	1280	25.3 U	4730	297	85.4
C477	LW2-C477-B	3930	2170	35200	22600	207	5270	1200	15.8	3770	892	38.9
C494	LW2-C494-C	11000	803	48100	61200	1680	9930	2470	5.26 J	18400	4120	938

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Table C2-14a. PCB Congener Values Used iin Total PCB Congener Calculations for Subsurface Sediment Samples (Table 1 of 2).

	CAS No	68194-08-1	52663-63-5	68194-09-2	35065-27-1	60145-22-4	33979-03-2	38380-08-4	69782-90-7	PCB158_160	39635-35-3	41411-63-6
	Chemical Name	**PCB150**	**PCB151**	**PCB152**	**PCB153**	**PCB154**	**PCB155**	**PCB156**	**PCB157**	**PCB158 & 160**	**PCB159**	**PCB166**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**											
C019-2	LW2-C019-B2	60.5	3420	41.1	14000	321	3.15	1920	407	1710	168	78.1
C025-2	LW2-C025-B2	131	1810	10.9	3580	541	6.24	321	56.2	323	93.8	15.5
C093	LW2-C093-B	51.4	3850	23.3 J	20000	429	30.7 U	2690	588	2750	130	104
C111-2	LW2-C111-B2	21.3 T	1870 T	11.4 T	9810 T	183 T	2.51 UT	1280 T	281 T	1280 T	94.4 T	47.2 T
C184	LW2-C184-B	42.7	2310	7.48 J	7160	355	20.9 U	505	83.5	552	100	25.7
C203	LW2-C203-C	195	28200	182	151000	1690	25.3 U	20400	4560	21200	765	916
C207-1	LW2-C207-B	213	2090	17.3 J	26600	2150	8.77 J	1260	234	1600	317	37.1
C263	LW2-C263-C	99.6 U	1050	99.6 U	4110	47.6 J	99.6 U	301	67.8 J	419	91.4 J	99.6 U
C277	LW2-C277-C	31.9	2970	6.35 J	11700	456	12 U	646	106	768	167	18.6
C293-2	LW2-C293-B2	144	3630	7.6 J	35600	1600	7.25 J	1610	153	2270	481	20.3
C302	LW2-C302-B	91.9 U	2350	91.9 U	8970	114	91.9 U	654	136	919	91.9 U	50.9 J
C302	LW2-C302-C	259 U	358	259 U	1170	259 U	259 U	81.2 J	45.8 U	259 U	259 U	259 U
C327	LW2-C327-D	11.6 T	401 T	7.88 UT	1450 T	89.8 T	7.88 UT	80.9 T	12.8 T	101 T	16.1 T	2.98 JT
C342	LW2-C342-B	26.1	1130	4.68 J	4790	202	9.89 U	327	61.8	389	9.89 U	9.36 J
C342	LW2-C342-C	34.7	2380	5.76 J	9580	317	10.3 U	689	116	795	126	24
C366-1	LW2-C366-C1	19.3 J	3730	19.9 J	13500	135	20.7 U	1300	276	1810	170	89.4
C371	LW2-C371-B	20.2	2090	11.9	7420	237	2.47 U	734	160	861	102	34.4
C377	LW2-C377-E	16.7 U	1300	16.7 U	5180	28.4	16.7 U	325	31.3	407	86.3	4.58 J
C382	LW2-C382-B	62.5	3630	18.7	15100	578	2.65 J	1390	281	1520	155	54.3
C397	LW2-C397-C	101	9060	23.8	36800	983	12.5 U	2850	539	3350	385	100
C401	LW2-C401-E	13.3 J	2250	12.5 J	8120	98.9	24.7 U	726	133	843	93.9	24.7 J
C409	LW2-C409-C	28.1	2380	14.4	10500	289	10.3 U	1290	278	1560	76.3	51.7
C420	LW2-C420-C	149	3440	72.2	14600	661	16.2	1520	296	1850	119	61.7
C431	LW2-C431-B	125	8590	13.2 J	27000	1200	31.3 U	1450	228	2120	382	52.2
C453	LW2-C453-B	107	27900	55.3	120000	1050	15.5 U	9740	1640	9120	2170	220
C455	LW2-C455-B	326 J	96700	395 J	322000	2520	644 U	32200	6060	39400	3710	1210
C455	LW2-C455-C	57.1	7150	25.3 U	27200	538	25.3 U	1990	288	2250	317	48.4
C477	LW2-C477-B	35.8	4780	36	24200	338	12.6 U	3510	902	4330	152	169
C494	LW2-C494-C	876	21900	243	67000	5570	36.2	2810	424	3560	984	51.6

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-14b. PCB Congener Values Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 2 of 2).

	CAS No	52663-72-6	59291-65-5	32774-16-6	35065-30-6	52663-71-5	52663-74-8	68194-16-1	38411-25-5	40186-70-7	52663-65-7
	Chemical Name	PCB167	PCB168	PCB169	PCB170	PCB171	PCB172	PCB173	PCB174	PCB175	PCB176
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
C019-2	LW2-C019-B2	706	17.5	1.85 U	3720	1090	646	91.8	4020	499	532
C025-2	LW2-C025-B2	112	8.44	0.282 U	1440	441	307	38.3	1810	82.2	235
C093	LW2-C093-B	974	38.7	14.2	4220	1230	725	119	4190	211	604
C111-2	LW2-C111-B2	480 T	13.9 T	1.27 UT	2150 T	595 T	363 T	52.5 T	2280 T	2.51 UT	285 T
C184	LW2-C184-B	211	16 J	1.37 U	2110	620	390	53.7	2600	119	357
C203	LW2-C203-C	8060	210	1.78 J	30000	8770	4860	872	28200	1340	3760
C207-1	LW2-C207-B	529	97.3	2.05 J	5320	1500	961	129	5740	263	1150
C263	LW2-C263-C	139	99.6 U	77.5 U	1300	430	248	50 J	1520	99.6 U	245
C277	LW2-C277-C	261	30.5	1.37 J	3160	975	610	76.6	4050	177	593
C293-2	LW2-C293-B2	638	85.2	1.68 J	10500	3150	1900	240	11900	560	1890
C302	LW2-C302-B	293	91.9 U	1.28 U	2560	747	502	91.9 U	3060	91.9 U	438
C302	LW2-C302-C	39.6 J	259 U	9.1 U	401	259 U	259 U	259 U	319	259 U	259 U
C327	LW2-C327-D	33 T	4.09 JT	0.495 JT	361 T	105 T	62.4 T	9.45 T	416 T	20.1 T	62.5 T
C342	LW2-C342-B	140	10.6	1.07 J	1200	330	210	26.4	1420	63.9	198
C342	LW2-C342-C	285	20.1	1.46 J	2750	754	495	66	3150	158	465
C366-1	LW2-C366-C1	537	18.7 J	6.49 U	3880	1140	722	128	4860	237	665
C371	LW2-C371-B	296	10.6	2.94 U	2100	633	394	65.3	2390	2.47 U	328
C377	LW2-C377-E	135	16.7 U	1.38 U	1760	506	305	43.4	1930	16.7 U	280
C382	LW2-C382-B	541	35.8	3.96 J	3030	913	538	76.6	3600	169	537
C397	LW2-C397-C	1150	83.8	3.79	9460	2850	1720	230	11800	588	1740
C401	LW2-C401-E	257	24.7 U	1.09 U	2600	730	436	62.2	3070	151	421
C409	LW2-C409-C	509	26.5	1.05 J	2130	597	341	55.6	2020	114	322
C420	LW2-C420-C	603	40.3	3.92 J	3020	883	498	74.7	2940	155	461
C431	LW2-C431-B	622	69.3	3.71 U	7430	2320	1390	186	10000	413	1390
C453	LW2-C453-B	3720	84.3	10	41400	13200	7540	1050	57400	5250	6150
C455	LW2-C455-B	11600	316 J	5.36 U	98200	27800	16900	2520	118000	4920	15800
C455	LW2-C455-C	752	15.6 J	4.31 U	8780	2430	1480	200	9970	382	1320
C477	LW2-C477-B	1410	53.6	2.94 J	4480	1220	678	127	4350	205	571
C494	LW2-C494-C	1220	271	12.5	20700	5750	3820	438	26800	1080	3810

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Table C2-14b. PCB Congener Values Used Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 2 of 2).

	CAS No	52663-70-4	52663-67-9	52663-64-6	35065-29-3	74472-47-2	PCB182_187	52663-69-1	74472-48-3	52712-05-7	74472-49-4
	Chemical Name	**PCB177**	**PCB178**	**PCB179**	**PCB180**	**PCB181**	**PCB182 & 187**	**PCB183**	**PCB184**	**PCB185**	**PCB186**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**										
C019-2	LW2-C019-B2	2150	780	1870	9010	224	4510	2170	4.4	506	2.53 U
C025-2	LW2-C025-B2	1070	673	1290	3790	13.7	3000	842	2.88	214	1.66 U
C093	LW2-C093-B	2490	944	1920	9400	55.1	5490	2640	30.7 U	470	30.7 U
C111-2	LW2-C111-B2	1380 T	502 T	1040 T	5340 T	2.51 UT	3300 T	1340 T	2.51 UT	277 T	2.51 UT
C184	LW2-C184-B	1630	615	1310	5380	47.5	3560	1420	20.9 U	301	20.9 U
C203	LW2-C203-C	17000	4910	11700	61100	482	30100	15700	27.1	3110	11.7 J
C207-1	LW2-C207-B	5100	2780	4510	13200	105	13100	3980	14.4 J	619	24.9 U
C263	LW2-C263-C	890	323	757	3780	99.6 U	2170	1020	99.6 U	201	99.6 U
C277	LW2-C277-C	2520	999	2090	8360	20.5	5820	2350	12 U	424	12 U
C293-2	LW2-C293-B2	8190	3270	6760	27300	88.4	18200	7640	9.04 J	1330	12.6 U
C302	LW2-C302-B	1630	594	1480	6730	220	3900	1850	91.9 U	391	91.9 U
C302	LW2-C302-C	257 J	259 U	269	1120	259 U	685	319	259 U	259 U	259 U
C327	LW2-C327-D	278 T	113 T	218 T	923 T	8.83 T	655 T	256 T	7.88 UT	46.1 T	7.88 UT
C342	LW2-C342-B	869	356	768	3110	9.89 U	2180	854	9.89 U	146	9.89 U
C342	LW2-C342-C	1880	774	1630	6950	21.4	4590	1990	2.7 J	331	10.3 U
C366-1	LW2-C366-C1	2610	942	2220	10500	231	6270	2830	9.15 J	643	11.4 J
C371	LW2-C371-B	1510	596	1150	5130	95.7	3390	1390	2.47 U	288	2.47 U
C377	LW2-C377-E	1010	375	903	4740	16.7 U	2660	1310	16.7 U	247	16.7 U
C382	LW2-C382-B	2190	954	2030	8380	32.6	6020	2370	5.39 J	422	12.6 U
C397	LW2-C397-C	6880	2660	6200	25100	59.1	16700	7370	8.55 J	1270	12.5 U
C401	LW2-C401-E	1720	592	1490	6920	24.7 U	3920	1900	24.7 U	349	24.7 U
C409	LW2-C409-C	1350	549	1050	4500	21.9	3120	1370	4.24 J	192	10.3 U
C420	LW2-C420-C	1870	797	1550	6890	10.4 U	4300	2000	10.4 U	291	10.4 U
C431	LW2-C431-B	6180	2270	5080	21500	31.7	13800	5600	31.3 U	1100	31.3 U
C453	LW2-C453-B	27200	8560	21700	110000	2290	48800	24300	15.9	7240	15.5 U
C455	LW2-C455-B	64400	21700	54700	255000	571 J	141000	67500	644 U	13500	644 U
C455	LW2-C455-C	5990	2000	4730	22100	25.3 U	12700	5560	25.3 U	1110	25.3 U
C477	LW2-C477-B	2420	803	1880	10100	70.6	5890	2690	5.62 J	472	3.29 J
C494	LW2-C494-C	17900	7580	15900	56600	11.3 U	43200	14500	33.3	2760	11.3 U

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Table C2-14b. PCB Congener Values Used Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 2 of 2).

	CAS No	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	69782-91-8	35694-08-7	52663-78-2	PCB196_203	33091-17-7	68194-17-2
	Chemical Name	PCB188	PCB189	PCB190	PCB191	PCB192	PCB193	PCB194	PCB195	PCB196 & 203	PCB197	PCB198
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
C019-2	LW2-C019-B2	12.1	151	728	140	2.53 U	376	2000	862	2210	84.5	338
C025-2	LW2-C025-B2	31.7	55.6	319	57.4	1.66 U	184	1010	466	1010	44.8	51.5
C093	LW2-C093-B	18.3 J	178	789	161	30.7 U	436	2340	877	5310	130	634
C111-2	LW2-C111-B2	5.78 T	85.7 T	408 T	77.5 T	2.51 UT	213 T	1500 T	603 T	1940 T	56 T	248 T
C184	LW2-C184-B	7.1 J	81.1	464	84.1	20.9 U	275	1300	556	1530	58.2	78.3
C203	LW2-C203-C	30.7	1190	5400	1150	25.3 U	2660	11700	5300	11400	469	1130
C207-1	LW2-C207-B	51.2	196	1080	201	24.9 U	789	4020	1550	8380	238	809
C263	LW2-C263-C	99.6 U	99.6 U	320	75.2 J	99.6 U	178	805	323	1170	99.6 U	99.6 U
C277	LW2-C277-C	8.07 J	117	641	124	12 U	447	2060	1050	2300	91.7	118
C293-2	LW2-C293-B2	41.1	361	2150	417	12.6 U	1380	5340	2810	6290	256	394
C302	LW2-C302-B	91.9 U	111	620	135	91.9 U	341	1420	661	2030	81.2 J	112
C302	LW2-C302-C	259 U	20 U	259 U	259 U	259 U	259 U	282	259 U	335	259 U	259 U
C327	LW2-C327-D	2.58 JT	14.1 T	76.6 T	14.4 T	7.88 UT	48.7 T	178 T	75.9 T	274 T	10 T	14.1 T
C342	LW2-C342-B	7.42 J	45.1	246	44.7	9.89 U	154	734	290	1030	33.2	47
C342	LW2-C342-C	7.65 J	99	560	104	10.3 U	335	1600	664	2140	69.1	108
C366-1	LW2-C366-C1	20.7 U	153	884	174	20.7 U	489	2760	1250	3740	140	201
C371	LW2-C371-B	2.47 U	82.4	408	89.4	2.47 U	235	1220	643	1490	65.4	154
C377	LW2-C377-E	16.7 U	68.9	363	70.5	16.7 U	196	1080	531	1490	53.6	142
C382	LW2-C382-B	14.7	117	635	121	12.6 U	387	2310	731	3570	98.7	137
C397	LW2-C397-C	20.5	355	1970	375	12.5 U	1190	5390	2530	6660	238	378
C401	LW2-C401-E	24.7 U	106	550	102	24.7 U	314	1650	778	1860	61.1	100
C409	LW2-C409-C	9.06 J	92.4	386	88	10.3 U	228	806	257	1330	50.6	52.1
C420	LW2-C420-C	34.5	141	624	135	10.4 U	364	1550	652	2000	70.1	88.3
C431	LW2-C431-B	27.7 J	264	1610	324	31.3 U	1080	5180	2140	6620	199	266
C453	LW2-C453-B	26.5	1390	7330	1610	15.5 U	4580	28900	15100	24900	996	4150
C455	LW2-C455-B	644 U	3580	20900	4160	644 U	11300	57300	23300	67000	2200	3630
C455	LW2-C455-C	14.9 J	304	1750	327	25.3 U	985	5150	2550	6790	214	689
C477	LW2-C477-B	9.11 J	199	846	168	12.6 U	405	2570	795	4530	92.7	163
C494	LW2-C494-C	187	743	4440	819	11.3 U	3310	14100	5580	16400	589	833

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Table C2-14b. PCB Congener Values Used Used in Total PCB Congener Calculations for Subsurface Sediment Samples (Table 2 of 2).

	CAS No	52663-75-9	52663-73-7	40186-71-8	2136-99-4	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	**PCB199**	**PCB200**	**PCB201**	**PCB202**	**PCB204**	**PCB205**	**PCB206**	**PCB207**	**PCB208**	**PCB209**	**Total PCB Congeners**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**											
C019-2	LW2-C019-B2	1910	300	332	529	2.53 U	85.7	1580	169	425	597	1100000
C025-2	LW2-C025-B2	930	151	160	260	1.66 U	46.4	266	35.7	54.2	39	162000
C093	LW2-C093-B	9940	345	649	3070	13.8 J	137	68100	2860	26600	88100	730000
C111-2	LW2-C111-B2	1620 T	210 T	251 T	440 T	2.51 UT	54.3 T	1400 T	142 T	371 T	669 T	338000 T
C184	LW2-C184-B	1400	192	199	306	20.9 U	68.5	767	97.2	212	629	188000
C203	LW2-C203-C	10300	1650	1720	2640	25.3 U	510	9800	774	3060	9360	2830000
C207-1	LW2-C207-B	13900	582	1060	4180	19.6 J	242	78300	3760	32800	92600	486000
C263	LW2-C263-C	1080	145	99.6 U	99.6 U	99.6 U	49.4 J	640	81.7 J	200	895	50500
C277	LW2-C277-C	2120	291	330	481	12 U	89.3	804	104	206 U	784	198000
C293-2	LW2-C293-B2	5350	786	858	1180	12.6 U	233	1750	191	433	1750	400000
C302	LW2-C302-B	1830	254	227	346	91.9 U	91.2 J	2290	140	334	7760	223000
C302	LW2-C302-C	259 U	259 U	259 U	259 U	259 U	259 U	269	259 U	259 U	283	13600
C327	LW2-C327-D	244 T	31.2 T	31.5 UT	46.9 UT	7.88 UT	10.1 T	152 UT	18.2 UT	46.3 UT	213 T	35100 T
C342	LW2-C342-B	988	116	119	188	9.89 U	35.1	456	50.1 U	122 U	387	76500
C342	LW2-C342-C	1910	236	246	372	10.3 U	70.2	681	78.9	167 U	423	170000
C366-1	LW2-C366-C1	3370	468	445	676	18.6 J	138	2060	311	513	2000	695000
C371	LW2-C371-B	1310	199	220	338	2.47 U	59.3	743	90.6	207	945	425000
C377	LW2-C377-E	1400	185	191	375	16.7 U	47	2230	168	745	4000	64300
C382	LW2-C382-B	3370	385	443	777	12.6 U	96.4	2010	220	498	1350	291000
C397	LW2-C397-C	5980	844	869	1280	12.5 U	233	2140	237	491	1410	571000
C401	LW2-C401-E	1630	213	223	314	24.7 U	77.1	677	67.8	162	510	888000
C409	LW2-C409-C	1410	129	208	384	10.3 U	35.5	533	67.4	157 U	84.7 U	237000
C420	LW2-C420-C	1620	204	217	305	10.4 U	81.8	528	69.5	116 U	224	316000
C431	LW2-C431-B	6040	722	748	1180	31.3 U	232	2490	268	553	774	1120000
C453	LW2-C453-B	24700	3340	3860	6630	15.5 U	1180	58400	3670	21300	128000	5990000
C455	LW2-C455-B	64100	7830	7690	12600	644 U	2610	65200	5410	22800	127000	36800000
C455	LW2-C455-C	7520	756	874	1910	25.3 U	212	21300	1500	8410	54200	591000
C477	LW2-C477-B	4300	438	479	960	12.6 U	103	3010	329	705	821	506000
C494	LW2-C494-C	15300	1930	2110	3020	4.15 J	628	3400	427	575	353	953000

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-15. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Subsurface Sediment Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
C011-2	LW2-C011-C2	0.243	0.598	5.01	32.6	160	8.46	3.56	3.95	8.06	5.862 U	222 T
C015	LW2-C015-B	0.097	0.015 U	4.53	33.1	215	2.42	2.48	4.13	8.01	6.638 U	270 T
C019-2	LW2-C019-B2	0.225	0.032 U	5.32	33.1	123	5.78	2.88	3.76	5.8	3.03	183 T
C020	LW2-C020-B	0.371	0.957	19.842	184.034	403.274	4.838	6.475	10.437	14.36	10.284	655 T
C020	LW2-C020-C	0.698	0.62	5.968	53.984	192.198	15.218	9.534	10.167	12.203	8.009	309 T
C025-2	LW2-C025-B2	0.134	0.22	2.07	15.2	60.9	3.03	3.53	3.18	2.97	3.282 U	91.2 T
C038	LW2-C038-B	0.292	0.639	4.051	24.724	91.546 J	1.199	1.718	4.659	6.272	3.369	138 JT
C038	LW2-C038-C	0.009 U	0.063	0.52	2.186	8.123	0.215	0.734	1.34	2.277	0.749 J	16.2 JT
C038	LW2-C038-D	0.007 U	0.013 U	0.019 U	0.041 U	0.623 U	0.006 U	0.009 U	0.012 U	0.024 U	0.059 U	0.623 UT
C060	LW2-C060-B	4.634	8.591	22.302	124.669	496.053	14.241	22.114	36.285	47.975	32.004	809 T
C060	LW2-C060-C	1.387	1.727	19.397	103.598	407.295	7.865	26.431	34.56	57.132	20.206 U	659 T
C061	LW2-C061-B	0.365	2.841	19.555	112.186	356.101	2.505	6.36	14.866	24.548	14.442 U	539 T
C061	LW2-C061-C	1.055	1.625	9.984	70.296	329.006	4.182	9.023	16.811	30	18.761	491 T
C061	LW2-C061-E	0.048	0.005 U	0.882	4.342	20.106 U	0.05	0.419	0.59	1.031	0.49 U	7.36 T
C062	LW2-C062-B	0.297 T	0.729 T	2.31 T	5.91 T	24.6 T	1.23 T	3.83 T	4.32 T	5.3 T	1.9 JT	50.4 JT
C062	LW2-C062-C	0.011 U	0.007 U	0.023	0.12	0.499 J	0.009 U	0.005 U	0.015	0.007 U	0.033 J	0.69 JT
C062	LW2-C062-D	0.027	0.017	0.109	0.224	0.759 U	0.01 U	0.005 U	0.014	0.012	0.01 U	0.403 T
C064	LW2-C064-B	0.105	0.016 U	0.254	1.096	3.653 U	0.202	0.012 U	0.014 U	0.3	0.223 J	2.18 JT
C064	LW2-C064-C	0.008 U	0.009 U	0.066	0.308	0.989 U	0.01 U	0.005 U	0.024	0.048	0.05 U	0.446 T
C066	LW2-C066-B	0.097	0.437	25.725	520.666	1636.676 J	1.203	1.113	5.069	19.534	16.691	2230 JT
C066	LW2-C066-C	0.114	0.014 U	0.309	6.16	27.858 U	0.005 U	0.01 U	0.032	0.128	0.241 J	6.98 JT
C067	LW2-C067-B	0.067 U	2.33	55.2	396	1170	2.11	2.99	8.57	26.1	27.7	1690 T
C077	LW2-C077-C	0.545	0.833	9.985	69.311	271.09	1.908	7.626	13.957	30.804	18.477	425 T
C077	LW2-C077-D	0.086	0.016	0.124	1.023	3.416 U	0.011 U	0.004 U	0.041	0.148	0.114 U	1.44 T
C084	LW2-C084-B	0.372	0.53	5.845	36.782	168.945	1.718	3.844	6.962	12.806	9.749	248 T
C084	LW2-C084-C	0.063	0.011 U	1.535	5.717	24.222	0.403	0.91	1.419	2.124	1.095 J	37.5 JT
C084	LW2-C084-D	0.004 U	0.008 U	0.009 U	0.089	0.241 J	0.004 U	0.004 U	0.004 U	0.009 U	0.085 J	0.415 JT
C086	LW2-C086-B	0.581	1.047	4.367	27.901	97.288	3.468	4.185	4.774	6.64	4.813	155 T
C086	LW2-C086-C	0.045	0.003 U	0.328	1.249	4.732 U	0.571	0.172	0.112	0.195	0.158 U	2.67 T
C092	LW2-C092-B	2.709	8.638	63.589	472.339	1541.494	43.226	55.885	91.696	128.579	93.807	2500 T
C092	LW2-C092-C	7.169	9.317	64.093	638.017	2071.524 J	79.49	66.685	104.939	171.092	136.305	3350 JT
C092	LW2-C092-D	0.402	2.4	5.81	21.829	89.312	7.276	20.297	25.372	36.974	9.433	219 T
C092	LW2-C092-E	0.108	0.008 U	0.166	1.002	3.263	0.016 U	0.007 U	0.01 U	0.351	0.246 J	5.14 JT
C093	LW2-C093-B	5.36	8.22	37.7	208	1000	25.2	45.8	67.2	139	104	1640 T
C094	LW2-C094-B	2.036	3.261	28.523	172.379	722.19	12.216	12.264	34.783	51.33	35.431	1070 T
C094	LW2-C094-C	0.047 UT	0.043 UT	0.066 UT	0.191 T	1.83 JT	0.038 UT	0.034 UT	0.041 UT	0.05 UT	0.193 UT	2.02 JT
C105	LW2-C105-B	0.147	0.395	1.908	10.057	37.959 U	1.429	2.49	2.931	3.728	2.181	25.3 T
C105	LW2-C105-C	0.093	0.012 U	0.152	0.412	1.281 U	0.01 U	0.012 U	0.012 U	0.024 U	0.111 U	0.657 T
C111-1	LW2-C111-B	0.376	0.41	7.137	41.97	161.465	2.206	4.56	7.773	10.676	6.411	243 T
C111-2	LW2-C111-B2	0.682	2.018	21.097	201.354	683.335 J	4.51	7.841	15.414	22.565	14.109	973 JT
C111-1	LW2-C111-C	2.383	3.906	27.175	261.285	1423.863 J	12.698	19.052	46.187	70.868	91.724	1960 JT
C111-2	LW2-C111-C2	2.65	4.324	34.587	232.928	1063.204 J	15.57	21.282	49.487	85.4	70.713	1580 JT
C111-2	LW2-C111-D2	6.14	8.07	48.7	326	2020 J	20	48.5	117	256	233	3080 JT
C111-2	LW2-C111-E2	6.748	8.783	42.447	208.207	881.232 J	44.641	116.159	165.158	261.723	113.805	1850 JT
C111-1	LW2-C111-F	0.23	1.098	7.03	39.593	206.475	4.977	12.477	22.468	36.262	10.785	341 T
C112	LW2-C112-B	0.394	1.23	13.5	111	477	1.72	5.08	15	27.7	23.6	676 T
C127	LW2-C127-B	0.485	0.175	5.122	41.931	177.073	3.046	6.264	9.468	16.317	11.334	271 T
C127	LW2-C127-C	0.585	0.94	5.062	34.952	150.668	4.274	9.298	9.126	15.689	8.13	239 T
C127	LW2-C127-D	0.007 U	0.008 U	0.223	1.263	5.056	0.019 U	0.007 U	0.158	0.134	0.291 U	6.83 T
C133	LW2-C133-B	0.804	0.951	9.347	107.714	260	1.895	3.432	11.555	15.985	6.744	418 T
C133	LW2-C133-C	0.123	0.785	8.29	104	175	1.89	4.08	6.13	7.65	5.772 U	308 T
C133	LW2-C133-D	4.621	7.043	41.68	302.12	1430.345	66.795	115.239	143.691	135.615	107.614	2350 T
C136	LW2-C136-B	0.721 T	1.57 T	13.8 T	126 T	428 JT	10.4 T	12.1 T	19.5 T	25.7 T	13.789 UJT	638 JT
C136	LW2-C136-C	3.72	6.22	35.4	285	1980 J	85.1	258	218	169	195	3240 JT
C144	LW2-C144-B	0.827 T	1.68 T	11.6 T	66.9 T	317 T	7.2 T	8.33 T	18 T	20.8 T	21.8 T	474 T
C144	LW2-C144-D	0.01 U	0.06	0.634	4.99	28	0.984	4.38	29.3	22.1	9.38	99.8 T
C163-1	LW2-C163-B1	0.003 U	0.004 U	0.036	0.258	0.8 U	0.007 U	0.041	0.025	0.081	0.057 U	0.441 T
C163-2	LW2-C163-B2	0.029 T	0.005 UT	0.096 T	0.464 T	1.653 UT	0.021 T	0.124 T	0.084 T	0.0865 T	0.103 UT	0.905 T
C163-1	LW2-C163-C1	0.089	0.063	0.136	0.399	1.078 U	0.133	0.036	0.047	0.006 U	0.067 U	0.903 T
C163-2	LW2-C163-C2	1.98 T	4.04 T	0.967 T	0.607 T	0.983 UT	0.767 T	1.01 T	1.24 T	0.667 T	0.038 UT	11.3 T
C185	LW2-C185-B	3.278	3.984	24.383	156.857	625.024	36.948	44.713	60.991	61.263	46.944	1060 T
C185	LW2-C185-C	0.267	0.081 U	9.073	52.836	240.206	5.356	14.019	27.515	41.836	10.318	401 T
C192	LW2-C192-B	0.341	1.951	18.142	127.83	566.422	5.725	11.468	24.362	34.08	23.275	814 T

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Table C2-15. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Subsurface Sediment Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
C192	LW2-C192-C	2.629	4.705	43.942	182.716	767.951	14.01	28.072	78.839	132.962	71.705	1330 T
C192	LW2-C192-D	0.293	0.556	2.284	10.815	55.16	2.312	4.939	7.269	11.517	3.767	98.9 T
C196	LW2-C196-B	0.197	0.325	3.13	23.8	126	1.81	2.87	6.2	12.7	9.43	186 T
C196	LW2-C196-C	0.007 U	0.009 U	0.692	4.83	24.8	0.013 U	0.402	1.26	3.1	1.763 U	35.1 T
C203	LW2-C203-C	3.78	5.22	26.6	196	845	37.7	88.1	88.1	168	115	1570 T
C207-1	LW2-C207-B	3.938	7.405	35.856	270.742	1048.607 J	26.525	68.897	111.898	226.933	138.369	1940 JT
C207-2	LW2-C207-B2	1.46 T	3.16 T	7.5 T	39 T	168 T	7.17 T	15.6 T	31.9 T	58 T	30.2 T	362 T
C207-1	LW2-C207-C	0.004 U	0.006 U	0.193	0.685	2.102 U	0.539	0.166	0.15	0.129	0.238 U	1.86 T
C207-2	LW2-C207-C2	0.058 T	0.008 UT	0.134 T	0.479 T	1.387 UT	0.573 T	0.171 T	0.16 T	0.132 T	0.115 UT	1.71 T
C207-1	LW2-C207-D	0.103	0.191	0.248	0.578	1.578 U	1.883	1.225	0.523	0.152	0.161 U	4.9 T
C210	LW2-C210-B	0.019	0.005 U	0.105	0.342	1.054 J	0.008 U	0.003 U	0.026	0.052	0.044 J	1.64 JT
C210	LW2-C210-C	0.033	0.005 U	0.159	0.304	0.727 J	0.009 U	0.004 U	0.014	0.018	0.014 J	1.27 JT
C215	LW2-C215-B	0.01 U	0.058	1.12	7.34	32.4	0.008 U	0.429	1.07	1.67	0.999 U	44.1 T
C232	LW2-C232-B	0.011 U	0.016 U	0.272	1.85	10.026 U	0.013 U	0.159	0.321	0.748	0.734 U	3.35 T
C245	LW2-C245-B	3.028	1.694	18.884	128.017	609.269	60.959	55.844	72.663	51.213	46.515	1050 T
C245	LW2-C245-C	0.012 U	0.011 U	0.066	0.639	2.347 U	0.267	0.023	0.108	0.07	0.069 U	1.17 T
C245	LW2-C245-D	0.014 U	0.016 U	0.401	0.466	2.687 U	0.272	0.091	0.081	0.052 U	0.269 U	1.31 T
C245	LW2-C245-E	0.008 U	0.01 U	0.014 U	0.141	0.365 U	0.008 U	0.01 U	0.009 U	0.02 U	0.041 U	0.141 T
C247	LW2-C247-B	0.16	0.157	2.231	6.845	24.056 U	0.067	0.263	0.986	1.599	0.794 U	12.3 T
C247	LW2-C247-C	0.033	0.011 U	0.236	0.422	0.954 U	0.008 U	0.008 U	0.008 U	0.018 U	0.059 U	0.691 T
C247	LW2-C247-D	0.052	0.051	0.948	2.139	5.597 U	0.005 U	0.008 U	0.008 U	0.018 U	0.052 U	3.19 T
C260	LW2-C260-B	0.772	1.531	9.151	44.936	150.306	1.698	7.483	13.45	39.096	36.627	305 T
C260	LW2-C260-C	0.166	0.318	1.046	4.828	16.538 U	1.224	3.521	3.95	7.943	5.992 U	23 T
C277	LW2-C277-C	2.27	4.12	44.7	471	2380 J	14.5	27.1	96	202	158	3400 JT
C290	LW2-C290-B	0.489	0.755	5.31	43.3	201	1.92	3.78	9.32	14.8	10.163 U	281 T
C290	LW2-C290-D	0.007 U	0.006 U	0.184	0.845	3.157 U	0.008 U	0.006 U	0.036	0.228	0.305 U	1.29 T
C291	LW2-C291-B	0.357	1.88	17.3	174	609 J	1.02	5.84	18.4	27.9	17.1 J	873 JT
C291	LW2-C291-C	1.58	5.87	64.1	492	2340 J	6.43	25.7	73.6	96.3	51.9	3160 JT
C293-2	LW2-C293-B2	4.28	5.23	47.8	497	2130	13.2	39.5	114	221	172	3240 T
C302	LW2-C302-B	1.21	1.52	33.3	190	893	57.7	98.6	120	103	121	1620 T
C302	LW2-C302-C	0.414 U	288	4280	30500	28100	17.4	107	120	1420	899	65700 T
C313	LW2-C313-B	0.087	0.071	0.522	3.222	14.835	0.41	0.537	0.661	1.124	0.866 J	22.3 JT
C313	LW2-C313-C	0.104	0.056 U	0.056 U	1.01	3.395	0.036 U	0.041 U	0.034 U	0.113	0.224 U	4.62 T
C314	LW2-C314-B	0.05 U	0.647	7.152	42.33	147.325	19.035	50.415	82.775	50.721	26.797	427 T
C314	LW2-C314-C	3.995	3.014	21.009	192.113	745.99	120.865	181.521	226.562	151.399	102.383	1750 T
C314	LW2-C314-D	0.351	0.349	3.22	27.6	84.6	10.5	19.3	21.1	12.3	10.4	190 T
C316	LW2-C316-B	0.755	0.835	5.333	44.979	192.856	30.807	68.417	104.238	61.954	53.407	564 T
C316	LW2-C316-C	6.226	5.954	35.044	282.904	1396.829	359.16	566.208	592.373	380.549	296.814	3920 T
C316	LW2-C316-D	3.073	4.685	39.868	423.567	1426.625 J	114.194	185.536	128.037	135.25	83.179	2540 JT
C321	LW2-C321-B1	0.368	1.058	10.929	52.943	340.358	1.304	4.937	18.527	33.153	33.244	497 T
C321-2	LW2-C321-B2	1.08 T	1.72 T	17.7 T	145 T	781 T	2.97 T	13.3 T	55.7 T	99.2 T	106 T	1220 T
C321	LW2-C321-C1	0.046	0.012 U	0.498	1.177	4.486	0.006 U	0.005 U	0.086	0.171	0.2 J	6.66 JT
C321-2	LW2-C321-E2	0.035 T	0.01 UT	0.229 T	0.591 T	2.42 JT	0.004 UT	0.003 UT	0.097 T	0.241 T	0.25 JT	3.86 JT
C323	LW2-C323-B	2.064	1.398	18.003	180.241	587.463	33.516	41.048	63.749	81.301	65.13	1070 T
C323	LW2-C323-C	2.21	2.983	23.234	236.868	696.793	4.949	15.622	41.516	81.872	64.262	1170 T
C323	LW2-C323-D	0.68	0.331	6.505	45.702	207.389	7.284	12.787	21.586	19.38	15.057	337 T
C324	LW2-C324-B	1.145	1.873	10.088	70.531	355.639	3.096	8.81	20.2	39.342	27.152	538 T
C324	LW2-C324-D	1.266	1.792	17.978	187.493	606.469	6.803	11.52	22.721	52.07	41.125	949 T
C324	LW2-C324-E	1.826	3.996	41.076	263.366	1117.16	7.322	26.67	56.656	125.137	85.419	1730 T
C326	LW2-C326-B	0.943	1.634	8.565	56.924	282.812	6.521	10.263	15.531	23.102	15.765	422 T
C326	LW2-C326-C	0.724 T	0.876 T	3.92 T	26.8 T	91.5 JT	10.4 T	5.48 T	8.26 T	19.9 T	18.5 JT	186 JT
C327	LW2-C327-B	0.631	1.504	11.939	107.15	325.165	3.777	8.648	15.093	30.034	19.678	524 T
C327	LW2-C327-C	1.993	3.524	20.498	177.593	769.375	8.999	22.681	42.354	88.341	58.409	1190 T
C327	LW2-C327-D	1.03	1.08	5.99	42	167	25.9	23.2	23.2	21.4	22.6	333 T
C329	LW2-C329-B	0.849	0.373	7.248	48.564	173.654	23.013	13.572	16.856	14.17	9.524	308 T
C329	LW2-C329-C	2.488	4.509	64.324	206.63	361.602	43.664	48.438	63.849	41.938	35.85	873 T
C329	LW2-C329-D	0.031 U	3.175	72.491	176.343	200.403	6.571	11.999	11.834	7.498	5.184	495 T
C331	LW2-C331-B	0.395	0.531	4.335	56.688	120.875	3.339	3.242	5.307	10.304	10.582	216 T
C331	LW2-C331-C	0.081	0.078	1.131	8.183	35.628	4.311	6.941	12.306	10.284	10.829	89.8 T
C331	LW2-C331-D	0.006 U	0.012 U	0.318	1.276	3.649 U	0.013 U	0.049	0.217	0.424	0.268 U	2.28 T
C331	LW2-C331-E	0.04	0.024 U	0.25	0.081 U	0.736 U	0.014 U	0.019 U	0.015 U	0.042 U	0.203 U	0.29 T
C332	LW2-C332-B	46.625	27.052	35.246	138.31	634.803	511.58	436.934	175.377	144.513	86.57	2240 T
C332	LW2-C332-C	0.086	0.023	0.316	0.928	3.416	1.264	0.841	0.596	0.728	0.29 J	8.49 JT

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Table C2-15. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Subsurface Sediment Samples.

	CAS No	**41903-57-5**	**36088-22-9**	**34465-46-8**	**37871-00-4**	**3268-87-9**	**30402-14-3**	**30402-15-4**	**55684-94-1**	**38998-75-3**	**39001-02-0**	**TOTPCDD_F**
	Chemical Name	**Tetrachlorodibenzo-p-dioxin homologs**	**Pentachlorodibenzo-p-dioxin homologs**	**Hexachlorodibenzo-p-dioxin homologs**	**Heptachlorodibenzo-p-dioxin homologs**	**Octachlorodibenzo-p-dioxin**	**Tetrachlorodibenzofuran homologs**	**Pentachlorodibenzofuran homologs**	**Hexachlorodibenzofuran homologs**	**Heptachlorodibenzofuran homologs**	**Octachlorodibenzofuran**	**Total PCDD/F**
	Unit	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**	**pg/g**
Location Name	**Sample ID**											
C333	LW2-C333-B	3.775	0.888	6.395	49.47	125.6	18.847	24.535	36.796	17.921	15.14	299 T
C333	LW2-C333-C	0.015	0.006 U	0.047	1.874	14.261	0.1	0.08	0.095	0.682	0.945 J	18.1 JT
C333	LW2-C333-E	0.208	0.004 U	0.02	0.2	1.364	0.11	0.01	0.014	0.03	0.097 J	2.05 JT
C334	LW2-C334-B	185.67	125.19	78.238	129.927	324.433	3614.17	1625.977	409.047	169.618	157.486	6820 T
C334	LW2-C334-C	6.22 T	3.43 T	2.44 T	4.44 T	14 T	150 T	93.9 T	27.9 T	16.1 T	7.13 JT	326 JT
C334	LW2-C334-D	3.49	3.41	2.51	2.58	7.402 U	80.3	52.5	7.23	2.92	2.644 U	155 T
C335	LW2-C335-B	34.58	8.104	14.64	91.923	209.867	228.386	207.744	278.995	109.275	72.049	1260 T
C335	LW2-C335-C	13.725	4.9	6.2	21.86	54.561	264.151	153.599	28.287	15.977	16.257	580 T
C335	LW2-C335-E	0.015 U	0.014 U	0.013 U	0.341	1.329 U	0.012 U	0.011 U	0.011 U	0.023 U	0.148 U	0.341 T
C342	LW2-C342-B	0.066	0.061	2.12	19.6	95.7	0.209	0.83	4.57	8.33	4.887 U	131 T
C342	LW2-C342-C	0.482	1.23	8.74	65	310	2.75	5.6	12.7	21.2	16.06 U	428 T
C348	LW2-C348-B	6.21	2.22	42	319	1960 J	2130	3170	3480	1850	1950 J	14900 JT
C351	LW2-C351-B	4.492	24.925	348.007	1367.613	1763.25 J	424.709	690.347	860.812	532.414	351.1	6370 JT
C351	LW2-C351-C	0.01 U	0.007 U	0.181	1.491	3.527 U	0.261	0.467	0.656	0.454	0.476 U	3.51 T
C351	LW2-C351-D	0.008 UT	0.005 UT	0.0845 T	0.272 T	0.642 UT	0.008 UT	0.024 T	0.0285 T	0.034 T	0.011 UT	0.443 T
C351	LW2-C351-E	0.054	0.04	0.555	1.015	1.849 U	0.008 U	0.005 U	0.018	0.007 U	0.008 U	1.68 T
C366-1	LW2-C366-C1	2.62	1.16	25.8	191	850	271	398	500	252	221	2710 T
C372	LW2-C372-B	0.527	1.088	3.436	16.902	75.951	4.783	12.312	17.407	28.102	8.916	169 T
C372	LW2-C372-C	0.256	0.53	2.526	9.503	39.434	4.199	10.387	13.052	18.719	3.164 U	98.6 T
C377	LW2-C377-B	0.327	0.218	2.946	21.243	61.705	2.257	2.832	3.374	5.206	5.809	106 T
C377	LW2-C377-C	0.485	1.068	6.02	40.804	187.547	7.962	8.484	11.138	14.072	12.012	290 T
C377	LW2-C377-D	5.05	5.19	24.8	174	830	29.3	76.7	127	127	105	1500 T
C377	LW2-C377-E	4.057	17.391	47.752	133.108	635.86 J	41.005	141.973	226.528	423.165	129.224	1800 JT
C382	LW2-C382-B	0.511	0.658	8.79	74.9	399	2.01	6.57	26.7	109	91.4	720 T
C397	LW2-C397-B	1.527	4.201	24.646	185.873	983.527	7.376	12.8	40.572	105.911	101.835	1470 T
C397	LW2-C397-C	3.201	6.175	35.997	233.469	1262.895 J	12.551	18.727	49.287	109.502	99.506	1830 JT
C397	LW2-C397-D	1.6	1.857	6.93	39.237	212.372	5.365	11.794	16.635	31.73	21.7	349 T
C403	LW2-C403-B	0.196	0.465	1.643	6.774	34.433	2.389	4.795	5.712	9.422	3.404 U	65.8 T
C403	LW2-C403-C	0.016 U	0.011 U	0.075	0.362	1.205 U	0.02 U	0.024	0.007 U	0.089	0.041 U	0.55 T
C403	LW2-C403-D	0.074	0.01 U	0.065	0.34	1.154 U	0.021 U	0.01 U	0.007 U	0.012 U	0.023 U	0.479 T
C405	LW2-C405-B	0.376	1.41	9	67.1	302	3.23	5.21	11.3	21.1	18.6	439 T
C417	LW2-C417-C	1.47	4.01	28.7	185	1060	12.8	18.7	34.1	77.2	102	1520 T
C420	LW2-C420-B	0.482	0.444	5.147	37.702	203.332	2.528	2.729	5.507	10.552	10.184	279 T
C420	LW2-C420-C	0.04	0.153	2.258	11.875	61.03	0.699	1.546	4.1	6.875	4.226 U	88.6 T
C426	LW2-C426-B	0.394	1.532	12.302	77.444	470.973	2.66	7.285	16.421	31.233	22.259	643 T
C426	LW2-C426-C	0.0625 T	0.042 UT	0.274 T	1.83 T	9.51 T	0.031 UT	0.028 UT	0.228 T	0.619 T	0.49 JT	13 JT
C430	LW2-C430-C	1.87	2.44	27.6	351	3000 J	9.77	19.6	57.2	299	378	4150 JT
C431	LW2-C431-B	8.28	19.7	136	957	6230 J	26.4	48.8	151	234	132	7940 JT
C437	LW2-C437-B	0.019 U	0.351	2.426	15.479	72.055	1.263	2.542	3.65	6.162	4.025 U	104 T
C437	LW2-C437-C	0.016 U	0.015 U	0.053	0.29	0.861 U	0.017 U	0.012 U	0.008 U	0.013 U	0.026 U	0.343 T
C437	LW2-C437-D	0.014 U	0.012 U	0.053	0.174	0.476 U	0.017 U	0.008 U	0.007 U	0.011 U	0.019 U	0.227 T
C450	LW2-C450-B	0.063	0.018 U	2.82	33.95	371.827	0.287	1.063	3.605	9.077	10.724	433 T
C450	LW2-C450-C	2.745	3.33	21.534	241.492	1462.611 J	10.861	12.478	31.676	97.568	123.702	2010 JT
C453	LW2-C453-B	10	9.26	63.1	847	6080 J	41.5	33.5	96.3	495	988	8660 JT
C454	LW2-C454-B	0.22	0.437	2.605	16.271	89.991	2.263	8.305	6.311	11.769	10.327	148 T
C454	LW2-C454-C	0.999	3.189	15.417	87.555	593.583	9.314	36.304	50.812	114.477	33.172	945 T
C454	LW2-C454-D	0.801	2.587	11.003	44.207	255.977	8.207	29.85	46.213	85.602	22.174	507 T
C454	LW2-C454-E	0.094	0.026	0.94	4.631	26.951	1.161	4.215	2.652	5.222	1.261 J	47.2 JT
C455	LW2-C455-B	138	120	987	11700	183000	394	399	1130	966	18800	218000 T
C455	LW2-C455-C	16.5	41.9	95.8	978	5190 J	71.1	132	186	680	900	8290 JT
C474	LW2-C474-B	0.246	0.174	2.372	17.842	70.258	0.349	0.952	2.084	4.982	4.966 U	99.3 T
C474	LW2-C474-C	0.081 T	0.175 T	1.79 T	11.5 T	45.9 T	0.266 T	0.646 T	1.42 T	3.07 T	2.065 UT	64.8 T
C494	LW2-C494-C	0.254	0.702	6.19	36.2	200	1.86	4.98	7.29	11.1	10.399 U	269 T
C523	LW2-C523-B	0.599	1.032	9.553	63.719	179.842	6.416	9.8	14.9	11.693	10.185	308 T
C523	LW2-C523-C	0.223 T	0.083 T	1.06 T	8.2 JT	40.4 JT	1.81 T	2.23 T	2.55 T	3.14 T	3.24 JT	62.9 JT
SD081C	WR-WSI98SD081C0000A		1.6 U			180		150	210		82	622 JT

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-16. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Subsurface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7-Hexachlorodibenzofuran
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C011-2	LW2-C011-C2	0.058 U	0.066 U	0.082 U	0.322 J	13.3	160	0.678 J	0.626	0.313 J	0.336 U	0.935 J	0.384 J	0.082 U	0.336
C015	LW2-C015-B	0.012 U	0.015 U	0.064 J	0.309 J	13.9	215	0.645 J	0.331 U	0.131 J	0.159 J	0.317 J	0.209 J	0.028 U	0.181
C019-2	LW2-C019-B2	0.045 U	0.032 U	0.142 J	0.32 J	12.2	123	0.759 J	0.694	0.201 J	0.413 J	0.062 U	0.073 U	0.073 U	0.082
C020	LW2-C020-B	0.055 U	0.131 U	0.189 U	0.93 J	48.272	403.274	2.274	0.712	0.382 J	0.563 J	0.923	0.331 U	0.061 U	0.308
C020	LW2-C020-C	0.037 U	0.09 U	0.163 U	0.364 J	23.872	192.198	1.152	1.213	0.447 J	0.95	1.101	0.432 J	0.119 U	0.525
C025-2	LW2-C025-B2	0.017 U	0.02 U	0.049 J	0.142 J	7.07	60.9	0.312 J	0.254	0.009 U	0.171 J	0.445 J	0.158 J	0.012 U	0.088
C038	LW2-C038-B	0.007 U	0.044 J	0.084 J	0.415 J	9.079	91.546 J	0.391 U	0.118 U	0.09 U	0.118 J	0.631 J	0.285 J	0.026 U	0.471
C038	LW2-C038-C	0.009 U	0.023 U	0.032 U	0.034 U	0.816 J	8.123	0.036 U	0.01 U	0.016 U	0.018 U	0.068 J	0.07 U	0.025 U	0.022
C038	LW2-C038-D	0.007 U	0.013 U	0.019 U	0.021 U	0.041 U	0.623 U	0.023 U	0.006 U	0.008 U	0.009 U	0.012 U	0.013 U	0.018 U	0.014
C060	LW2-C060-B	0.507	0.947 J	0.565 J	1.937	51.445	496.053	2.468	3.502	4.806	1.96	12.313	4.03	1.123	0.664
C060	LW2-C060-C	0.028 U	0.03 U	0.139 J	0.894	40.512	407.295	1.037	0.801	0.956 U	0.058 U	1.794	1.619	0.463 J	1.661
C061	LW2-C061-B	0.05 U	0.332 J	0.599 J	1.762	58.8	356.101	3.128	0.366	0.41 J	0.244 J	0.999	0.576 J	0.039 U	0.593
C061	LW2-C061-C	0.1 J	0.138 J	0.205 J	0.597 J	28.699	329.006	1.161	0.624	1.157	0.515 J	2.395	1.071	0.014 U	0.298
C061	LW2-C061-E	0.003 U	0.005 U	0.009 U	0.05 J	1.584 U	20.106 U	0.084 J	0.013 U	0.016 J	0.013 U	0.053 U	0.039 J	0.01 U	0.039
C062	LW2-C062-B	0.019 UT	0.058 JT	0.041 JT	0.16 JT	2.63 T	24.6 T	0.233 JT	0.112 UT	0.072 JT	0.0825 JT	0.275 JT	0.241 JT	0.011 JT	0.129
C062	LW2-C062-C	0.011 U	0.007 U	0.005 U	0.006 U	0.053 J	0.499 J	0.006 U	0.009 U	0.004 U	0.005 U	0.015 J	0.003 U	0.003 U	0.003
C062	LW2-C062-D	0.01 U	0.009 U	0.005 U	0.017 J	0.085 U	0.759 U	0.006 U	0.01 U	0.005 U	0.005 U	0.014 J	0.003 U	0.004 U	0.004
C064	LW2-C064-B	0.011 U	0.016 U	0.015 U	0.016 U	0.43 U	3.653 U	0.017 U	0.112 U	0.01 U	0.012 U	0.014 U	0.015 U	0.02 U	0.015
C064	LW2-C064-C	0.008 U	0.009 U	0.005 U	0.005 U	0.132 U	0.989 U	0.006 U	0.01 U	0.005 U	0.005 U	0.024 U	0.004 U	0.004 U	0.004
C066	LW2-C066-B	0.052 J	0.031 U	0.008 U	0.008 U	100.209	1636.676 J	1.847	0.078 U	0.076 J	0.14 J	0.266 J	0.017 U	0.021 U	0.02
C066	LW2-C066-C	0.006 U	0.014 U	0.014 U	0.015 U	1.312 U	27.858 U	0.021 J	0.005 U	0.01 U	0.01 U	0.01 U	0.011 U	0.014 U	0.012
C067	LW2-C067-B	0.067 U	0.213 J	0.515 U	3.38	170	1170	4.64	0.409 U	0.39 J	0.28 J	0.861 J	0.419 J	0.117 U	0.288
C077	LW2-C077-C	0.015 U	0.09 U	0.147 J	0.255 J	28.328	271.09	0.932	0.469 U	1.249 U	0.517 J	2.303	1.114 J	0.269 U	0.639
C077	LW2-C077-D	0.004 U	0.006 U	0.009 U	0.009 U	0.442 U	3.416 U	0.01 U	0.011 U	0.004 U	0.004 U	0.02 U	0.009 U	0.009 U	0.01
C084	LW2-C084-B	0.034 U	0.147 U	0.158 U	0.546 J	18.696	168.945	0.884 J	0.201 U	0.139 J	0.156 J	0.458 J	0.24 J	0.013 U	0.315
C084	LW2-C084-C	0.006 U	0.011 U	0.039 J	0.151 J	2.741	24.222	0.203 J	0.082 U	0.032 U	0.044 U	0.1 J	0.054 J	0.007 U	0.068
C084	LW2-C084-D	0.004 U	0.008 U	0.009 U	0.009 U	0.038 J	0.241 J	0.01 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.005 U	0.004
C086	LW2-C086-B	0.035 J	0.092 J	0.112 J	0.336	12.862	97.288	0.607	0.245	0.213	0.284	0.657	0.246	0.09 J	0.311
C086	LW2-C086-C	0.002 U	0.003 U	0.003 U	0.039 J	0.531 U	4.732 U	0.033 J	0.252	0.036 J	0.033 J	0.028 U	0.008 U	0.002 U	0.002
C092	LW2-C092-B	0.302 U	1.184 J	1.157 J	2.592 J	198.348	1541.494	10.326	5.551	2.101	4.593	10.124	4.328	0.263 J	2.582
C092	LW2-C092-C	0.22 J	1.236 J	1.401 J	2.608 J	239.726	2071.524 J	10.118 J	6.874	2.369	4.681	9.929	4.161	0.192 J	2.588
C092	LW2-C092-D	0.087 U	0.168 J	0.075 U	0.38 U	8.004	89.312	0.665 J	0.643	0.157 J	0.313 U	0.69 U	0.621 J	0.117 U	1.119
C092	LW2-C092-E	0.008 U	0.008 U	0.007 U	0.007 U	0.371 J	3.263	0.008 U	0.016 U	0.007 U	0.007 U	0.01 U	0.011 U	0.013 U	0.011
C093	LW2-C093-B	0.18 U	0.816 J	0.719 J	2.79	101	1000	5.71	1.67	1.82 J	1.47 J	5.11	6.16	0.092 J	1.2
C094	LW2-C094-B	0.212 J	0.496 J	0.601 U	2.138	74.127	722.19	4.727	1.599	1.596 J	1.166 J	2.579	1.115	0.223 U	0.816
C094	LW2-C094-C	0.047 UT	0.043 UT	0.058 UT	0.062 UT	0.084 UT	1.83 JT	0.066 UT	0.038 UT	0.033 UT	0.034 UT	0.039 UT	0.041 UT	0.065 UT	0.042
C105	LW2-C105-B	0.028 U	0.036 J	0.232 J	0.057 J	3.901	37.959 U	0.263 J	0.148 J	0.155 J	0.121 J	0.286 J	0.167 J	0.019 U	0.076
C105	LW2-C105-C	0.01 U	0.012 U	0.012 U	0.014 U	0.147 U	1.281 U	0.015 U	0.019 U	0.01 U	0.012 U	0.012 U	0.012 U	0.018 U	0.013
C111-1	LW2-C111-B	0.035 U	0.113 J	0.134 J	0.374 J	18.396	161.465	1.311	0.188	0.256 J	0.189 J	0.588 J	0.299 J	0.023 U	0.286
C111-2	LW2-C111-B2	0.069 U	0.224 J	0.272 J	0.983	90.703	683.335 J	3.172	0.376	0.294 J	0.304 J	0.81	0.418 J	0.043 U	0.471
C111-1	LW2-C111-C	0.256	0.375 J	0.448 J	1.206	116.026	1423.863 J	4.129	1.188	2.436	0.961 J	9.867	2.847	0.044 U	1.217
C111-2	LW2-C111-C2	0.242 U	0.503 J	0.556 J	1.44	93.089	1063.204 J	4.69	1.348	1.942	1.041	4.414	1.958	0.057 U	0.78
C111-2	LW2-C111-D2	0.297 J	0.754 J	1.09 J	2.61	165	2020 J	6.52	2.1	6.9	2.55	15.1	6.98	0.254 J	1.26
C111-2	LW2-C111-E2	0.172 U	0.52 U	0.469 J	1.028	76.912	881.232 J	4.702	0.785	1.642 U	1.598	3.598	9.447	0.146 U	2.319
C111-1	LW2-C111-F	0.015 U	0.11 J	0.098 J	0.205 J	13.425	206.475	0.911 J	0.146 U	0.126 J	0.193 J	0.441 J	1.65 J	0.041 U	0.362
C112	LW2-C112-B	0.077 U	0.16 J	0.212 J	0.796 J	57.8	477	3.21	0.287 U	0.298 J	0.214 J	0.834 J	0.419 J	0.023 U	0.443
C127	LW2-C127-B	0.01 U	0.009 U	0.083 J	0.236 J	16.668	177.073	0.522 J	0.818	1.283 J	0.581 J	2.637	0.773 J	0.058 J	0.169
C127	LW2-C127-C	0.013 U	0.072 U	0.071 J	0.234 J	14.402	150.668	0.513 J	0.881	0.751 J	0.451 J	1.05 J	0.672 J	0.025 J	0.198
C127	LW2-C127-D	0.007 U	0.008 U	0.012 U	0.012 U	0.548 J	5.056	0.013 U	0.019 U	0.007 U	0.007 U	0.034 J	0.007 U	0.008 U	0.008
C133	LW2-C133-B	0.139 J	0.134 J	0.236 J	0.663 J	36.95	260	1.815	0.454	0.318 J	0.222 J	0.651 J	0.424 J	0.335 J	0.357
C133	LW2-C133-C	0.022 U	0.092 J	0.101 J	0.432 J	21.6	175	1.12 J	0.885	0.718 J	0.322 J	1.3 J	0.441 J	0.02 U	0.122
C133	LW2-C133-D	0.636	0.889 J	0.956 J	2.429	148.846	1430.345	6.849	20.195	39.247	15.382	46.425	14.565	7.056	2.984
C136	LW2-C136-B	0.102 UT	0.199 JT	0.26 JT	0.85 JT	44.7 JT	428 JT	1.91 JT	1.88 JT	1.77 JT	0.762 JT	2.86 JT	1.49 JT	0.0735 JT	0.126
C136	LW2-C136-C	0.272 J	0.548 J	0.671 J	2.01	128	1980 J	5.62	27.4	75.4	29.5	101	27.4	0.743 J	6.27
C144	LW2-C144-B	0.138 UT	0.224 JT	0.276 JT	1 JT	34.2 T	317 T	1.98 JT	2.59 JT	2.08 JT	0.867 JT	6.76 JT	1.3 JT	0.085 JT	0.354
C144	LW2-C144-D	0.01 U	0.01 U	0.01 U	0.047 J	2.1	28	0.083 J	0.424	2.62	0.333 J	15.5	9.28	0.224 J	0.966
C163-1	LW2-C163-B1	0.003 U	0.004 U	0.005 U	0.005 U	0.117 U	0.8 U	0.005 U	0.007 U	0.003 U	0.004 U	0.015 U	0.004 U	0.005 U	0.005
C163-2	LW2-C163-B2	0.004 UT	0.005 UT	0.004 UT	0.004 UT	0.173 UT	1.653 UT	0.005 UT	0.005 UT	0.004 UT	0.004 UT	0.022 JT	0.003 UT	0.003 UT	0.004
C163-1	LW2-C163-C1	0.003 U	0.005 U	0.005 U	0.033 U	0.185 U	1.078 U	0.005 U	0.007 U	0.003 U	0.003 U	0.032 U	0.014 J	0.004 U	0.01
C163-2	LW2-C163-C2	0.003 UT	0.147 JT	0.036 JT	0.151 JT	0.126 UT	0.983 UT	0.316 JT	0.009 UT	0.118 JT	0.226 JT	0.32 JT	0.008 UT	0.006 UT	0.005
C184	LW2-C184-B														

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	4-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	PCB106_118	65510-44-3	38380-08-4
	Chemical Name	',8-odibe an	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114	PCB106 & 118	PCB123	PCB156
	Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C011-2	LW2-C011-C2	J	2.34	0.224 J	5.862 U	0.518 T								
C015	LW2-C015-B	J	2.32	0.153 J	6.638 U	0.444 T								
C019-2	LW2-C019-B2	U	2.12	0.063 U	3.03	0.564 T	4420	345	122	1.85 U	883	27800	570	1920
C020	LW2-C020-B	J	4.221	0.28 J	10.284	1.38 T								
C020	LW2-C020-C	J	3.952	0.319 U	8.009	1.27 T								
C025-2	LW2-C025-B2	J	1.078 U	0.096 U	3.282 U	0.307 T	467	14.6	16.7	0.282 U	103	2950	77.2	321
C038	LW2-C038-B	J	2.975	0.238 J	3.369	0.424 T								
C038	LW2-C038-C	U	1.138	0.051 U	0.749 J	0.0272 T								
C038	LW2-C038-D	U	0.024 U	0.04 U	0.059 U	0 UT								
C060	LW2-C060-B	J	18.302	3.327	32.004	6.12 T								
C060	LW2-C060-C		26.034	0.542 U	20.206 U	1.55 T								
C061	LW2-C061-B	J	8.198	0.548 J	14.442 U	1.99 T								
C061	LW2-C061-C	J	9.114	0.046 U	18.761	1.6 T								
C061	LW2-C061-E	U	0.418 U	0.01 U	0.49 U	0.0181 T								
C062	LW2-C062-B	JT	2.96 T	0.0715 JT	1.9 JT	0.271 T								
C062	LW2-C062-C	U	0.007 U	0.01 U	0.033 J	0.00208 T								
C062	LW2-C062-D	U	0.012 J	0.01 U	0.01 U	0.00322 T								
C064	LW2-C064-B	U	0.164 J	0.052 U	0.223 J	0.00166 T								
C064	LW2-C064-C	U	0.032 U	0.005 U	0.05 U	0 UT								
C066	LW2-C066-B	U	4.658	0.152 J	16.691	1.55 T								
C066	LW2-C066-C	U	0.063 J	0.028 U	0.241 J	0.00275 T								
C067	LW2-C067-B	J	6.91	0.368 J	27.7	3.22 T								
C077	LW2-C077-C	J	11.69	0.693 J	18.477	1.23 T								
C077	LW2-C077-D	U	0.062 U	0.018 U	0.114 U	0 UT								
C084	LW2-C084-B	J	5.478	0.218 J	9.749	0.591 T								
C084	LW2-C084-C	J	1.064 J	0.034 J	1.095 J	0.102 T								
C084	LW2-C084-D	U	0.009 U	0.011 U	0.085 J	0.000413 T								
C086	LW2-C086-B		2.236	0.145 U	4.813	0.701 T								
C086	LW2-C086-C	U	0.083 U	0.004 U	0.158 U	0.0507 T								
C092	LW2-C092-B		42.369	3.689	93.807	9.89 T								
C092	LW2-C092-C		53.885	3.824	136.305	10.9 T								
C092	LW2-C092-D	J	19.279	0.176 U	9.433	0.763 T								
C092	LW2-C092-E	U	0.19 J	0.021 U	0.246 J	0.00596 T								
C093	LW2-C093-B	J	54.2	1.91 J	104	5.67 T	955	165	62	14.2	444	22500	306	2690
C094	LW2-C094-B	J	16.631	0.95 J	35.431	3.66 T								
C094	LW2-C094-C	UT	0.05 UT	0.087 UT	0.193 UT	0.000183 T								
C105	LW2-C105-B	J	1.621	0.059 U	2.181	0.283 T								
C105	LW2-C105-C	U	0.024 U	0.043 U	0.111 U	0 UT								
C111-1	LW2-C111-B	J	3.622	0.194 J	6.411	0.777 T								
C111-2	LW2-C111-B2	J	7.549	0.31 J	14.109	2.1 T	736 T	74.9 T	39.3 T	1.27 UT	228 T	10900 T	130 T	1280 T
C111-1	LW2-C111-C		17.877	2.291	91.724	4.84 T								
C111-2	LW2-C111-C2	J	22.027	1.602	70.713	3.92 T								
C111-2	LW2-C111-D2	J	88.4	4.38	233	9.07 T								
C111-2	LW2-C111-E2		124.501	1.081 U	113.805	5.15 T								
C111-1	LW2-C111-F	J	18.693	0.168 U	10.785	0.922 T								
C112	LW2-C112-B	J	7.3	0.346 J	23.6	1.58 T								
C127	LW2-C127-B	J	5.144	0.69 J	11.334	1.13 T								
C127	LW2-C127-C	U	6.482	0.315 J	8.13	0.836 T								
C127	LW2-C127-D	U	0.134 J	0.019 U	0.291 U	0.0107 T								
C133	LW2-C133-B	J	5.848	0.564 J	6.744	1.35 T								
C133	LW2-C133-C	U	2.4	0.316 J	5.772 U	0.977 T								
C133	LW2-C133-D		42.108	8.676	107.614	23.5 T								
C136	LW2-C136-B	JT	7.6 JT	0.975 JT	13.789 UJT	2.19 T								
C136	LW2-C136-C		57.3	10.1	195	38.6 T								
C144	LW2-C144-B	JT	8.47 T	1.48 JT	21.8 T	2.67 T								
C144	LW2-C144-D	J	16.6	3.08	9.38	3.17 T								
C163-1	LW2-C163-B1	U	0.036 U	0.008 U	0.057 U	0 UT								
C163-2	LW2-C163-B2	UT	0.031 UT	0.005 UT	0.103 UT	0.0022 T								
C163-1	LW2-C163-C1	U	0.038 U	0.008 U	0.067 U	0.0014 T								
C163-2	LW2-C163-C2	UT	0.031 UT	0.114 JT	0.038 UT	0.349 T								
C184	LW2-C184-B						450	33.1	29.5	1.37 U	99.3	5460	71.9	505

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**						
C011-2	LW2-C011-C2						
C015	LW2-C015-B						
C019-2	LW2-C019-B2	407	706	151	11700	18.3 T	18.9 T
C020	LW2-C020-B						
C020	LW2-C020-C						
C025-2	LW2-C025-B2	56.2	112	55.6	1270	2.39 T	2.7 T
C038	LW2-C038-B						
C038	LW2-C038-C						
C038	LW2-C038-D						
C060	LW2-C060-B						
C060	LW2-C060-C						
C061	LW2-C061-B						
C061	LW2-C061-C						
C061	LW2-C061-E						
C062	LW2-C062-B						
C062	LW2-C062-C						
C062	LW2-C062-D						
C064	LW2-C064-B						
C064	LW2-C064-C						
C066	LW2-C066-B						
C066	LW2-C066-C						
C067	LW2-C067-B						
C077	LW2-C077-C						
C077	LW2-C077-D						
C084	LW2-C084-B						
C084	LW2-C084-C						
C084	LW2-C084-D						
C086	LW2-C086-B						
C086	LW2-C086-C						
C092	LW2-C092-B						
C092	LW2-C092-C						
C092	LW2-C092-D						
C092	LW2-C092-E						
C093	LW2-C093-B	588	974	178	7570	11.4 T	17 T
C094	LW2-C094-B						
C094	LW2-C094-C						
C105	LW2-C105-B						
C105	LW2-C105-C						
C111-1	LW2-C111-B						
C111-2	LW2-C111-B2	281 T	480 T	85.7 T	3590 T	6.38 T	8.48 T
C111-1	LW2-C111-C						
C111-2	LW2-C111-C2						
C111-2	LW2-C111-D2						
C111-2	LW2-C111-E2						
C111-1	LW2-C111-F						
C112	LW2-C112-B						
C127	LW2-C127-B						
C127	LW2-C127-C						
C127	LW2-C127-D						
C133	LW2-C133-B						
C133	LW2-C133-C						
C133	LW2-C133-D						
C136	LW2-C136-B						
C136	LW2-C136-C						
C144	LW2-C144-B						
C144	LW2-C144-D						
C163-1	LW2-C163-B1						
C163-2	LW2-C163-B2						
C163-1	LW2-C163-C1						
C163-2	LW2-C163-C2						
C184	LW2-C184-B	83.5	211	81.1	1470	4.05 T	

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Table C2-16. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Subsurface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7 Hexachlorodibenzofura
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C185	LW2-C185-B	0.512	0.679 J	0.566 J	1.639	69.395	625.024	3.078	8.104	11.446	4.54	25.2	6.547	0.288 U	1.244
C185	LW2-C185-C	0.058 U	0.081 U	0.122 U	0.136 U	20.404	240.206	0.984 J	0.544	0.584 J	0.335 U	0.981 J	0.789 J	0.146 U	0.941
C192	LW2-C192-B	0.08 U	0.267 J	0.278 J	1.167	60.084	566.422	3.385	0.521	0.636 J	0.433 J	1.797	0.892 J	0.055 U	0.787
C192	LW2-C192-C	0.123 U	0.58 J	0.346 J	0.931 J	75.942	767.951	4.41	1.454	1.906 U	1.177	4.608 J	2.84 J	0.116 U	2.087
C192	LW2-C192-D	0.023 U	0.041 J	0.049 J	0.122 J	4.333	55.16	0.316 J	0.095 J	0.063 J	0.1 J	0.235 J	0.45 J	0.034 U	0.158
C196	LW2-C196-B	0.01 U	0.038 U	0.051 J	0.15 J	9.85	126	0.369 J	0.447	0.369 J	0.197 J	1.02 J	0.348 J	0.018 U	0.087
C196	LW2-C196-C	0.007 U	0.009 U	0.008 U	0.047 U	2.25	24.8	0.13 J	0.013 U	0.057 J	0.009 U	0.129 J	0.065 J	0.011 U	0.048
C203	LW2-C203-C	0.078 U	0.447 J	0.442 J	0.013 U	90.7	845	3.29	1.36	1.09 J	1.34 J	4.11	3.65	0.026 U	2.23
C207-1	LW2-C207-B	0.078 U	0.562 J	0.542 U	2.222	123.469	1048.607 J	4.848	3.481	3.371	2.517	10.386	7.926	0.036 U	3.538
C207-2	LW2-C207-B2	0.096 JT	0.276 JT	0.239 JT	0.277 JT	18.4 T	168 T	1.24 JT	1.45 T	0.503 JT	0.339 JT	1.54 T	2.07 JT	0.013 UT	0.676
C207-1	LW2-C207-C	0.004 U	0.006 U	0.005 U	0.005 U	0.294 U	2.102 U	0.005 U	0.26 U	0.006 U	0.006 U	0.081 U	0.079 U	0.008 U	0.007
C207-2	LW2-C207-C2	0.004 UT	0.008 UT	0.005 UT	0.005 UT	0.19 UT	1.387 UT	0.023 JT	0.4 T	0.005 UT	0.049 JT	0.055 UT	0.024 UT	0.007 UT	0.007
C207-1	LW2-C207-D	0.011 U	0.018 U	0.014 U	0.014 U	0.25 U	1.578 U	0.016 U	0.288 U	0.098 J	0.128 J	0.166 U	0.065 U	0.013 U	0.069
C210	LW2-C210-B	0.007 U	0.005 U	0.003 U	0.018 J	0.142 J	1.054 J	0.004 U	0.044 U	0.003 U	0.003 U	0.016 J	0.003 U	0.003 U	0.003
C210	LW2-C210-C	0.008 U	0.005 U	0.004 U	0.029 J	0.127 J	0.727 J	0.004 U	0.009 U	0.003 U	0.004 U	0.014 J	0.003 U	0.003 U	0.003
C215	LW2-C215-B	0.01 U	0.007 U	0.023 J	0.092 J	3.52	32.4	0.208 J	0.063 U	0.008 U	0.008 U	0.072 J	0.042 J	0.005 U	0.021
C232	LW2-C232-B	0.011 U	0.016 U	0.015 U	0.016 U	1.01 U	10.026 U	0.018 U	0.013 U	0.008 U	0.01 U	0.013 U	0.016 U	0.015 U	0.014
C245	LW2-C245-B	0.56	0.44 J	0.374 J	0.455 J	52.63	609.269	2.42	13.535	16.201	6.598	29.497	7.288	0.576 U	1.882
C245	LW2-C245-C	0.012 U	0.011 U	0.016 U	0.017 U	0.278 J	2.347 U	0.018 U	0.059 U	0.03 U	0.02 U	0.01 U	0.02 U	0.013 U	0.011
C245	LW2-C245-D	0.014 U	0.016 U	0.026 U	0.028 U	0.24 U	2.687 U	0.03 U	0.097 U	0.041 J	0.024 J	0.05 J	0.026 U	0.026 U	0.019
C245	LW2-C245-E	0.008 U	0.01 U	0.014 U	0.015 U	0.053 J	0.365 U	0.015 U	0.008 U	0.009 U	0.01 U	0.009 U	0.009 U	0.012 U	0.011
C247	LW2-C247-B	0.009 U	0.025 U	0.018 U	0.207 J	2.835 U	24.056 U	0.158 J	0.009 U	0.022 U	0.022 U	0.084 J	0.066 U	0.017 U	0.012
C247	LW2-C247-C	0.007 U	0.011 U	0.02 U	0.017 U	0.174 U	0.954 U	0.015 U	0.008 U	0.008 U	0.008 U	0.008 U	0.009 U	0.016 U	0.01
C247	LW2-C247-D	0.006 U	0.009 U	0.017 U	0.11 J	0.756 U	5.597 U	0.038 U	0.005 U	0.007 U	0.008 U	0.008 U	0.009 U	0.013 U	0.009
C260	LW2-C260-B	0.006 U	0.166 J	0.167 J	0.354 J	23.584	150.306	1.459	0.274 U	0.303 J	0.278 J	0.788 U	0.984 J	0.008 U	0.627
C260	LW2-C260-C	0.003 U	0.028 U	0.006 U	0.079 J	2.656	16.538 U	0.178 J	0.161 U	0.045 U	0.078 J	0.188 U	0.311 U	0.012 U	0.198
C263	LW2-C263-C														
C277	LW2-C277-C	0.194 J	0.374 J	0.628 J	2.15	216	2380 J	7.49	5.38	3.05	1.9	6.81	2.28	0.223 J	0.738
C290	LW2-C290-B	0.056 J	0.067 J	0.094 J	0.35 J	19.7	201	0.872 J	0.225 J	0.458 J	0.158 U	1.92	0.556 J	0.026 U	0.121
C290	LW2-C290-D	0.007 U	0.006 U	0.01 U	0.01 U	0.359 U	3.157 U	0.011 U	0.008 U	0.006 U	0.006 U	0.006 U	0.007 U	0.007 U	0.007
C291	LW2-C291-B	0.049 U	0.256 J	0.331 J	1.39 J	66.6 J	609 J	3.69	0.477	0.259 J	0.247 J	1.28 J	0.433 J	0.026 U	0.59
C291	LW2-C291-C	0.104 U	0.63 J	1.17 J	3.79	249	2340 J	13.8	0.786	1.14 J	0.867 J	4.3	1.68 J	0.125 J	2.07
C293-2	LW2-C293-B2	0.182 U	0.449 J	0.78 J	2.37	202	2130	6.76	1.71	2.57	2.55	15.2	4.08	0.202 J	1.23
C302	LW2-C302-B	0.048 U	0.275 U	0.389 J	0.839 J	82.1 J	893	2.07	37.8	46.9	16.5	63.5 J	17.4 J	0.056 U	4.58
C302	LW2-C302-C	12.8 J	32.3 J	10.4 J	39.7 J	5460	28100	142 J	18.9	50.1 J	19.5 J	17.7 J	19 J	1.54 J	3.28
C313	LW2-C313-B	0.006 U	0.008 U	0.017 J	0.046 U	1.51 U	14.835	0.077 J	0.161 U	0.086 J	0.046 J	0.135 U	0.06 J	0.008 U	0.04
C313	LW2-C313-C	0.045 U	0.056 U	0.056 U	0.06 U	0.347 J	3.395	0.063 U	0.036 U	0.037 U	0.041 U	0.034 U	0.035 U	0.047 U	0.034
C314	LW2-C314-B	0.05 U	0.165 U	0.121 J	0.355 J	19.424	147.325	1.295	8.282	22.756	7.013	38.77	20.381	3.451	3.371
C314	LW2-C314-C	0.262	0.397 J	0.235 J	2.646	83.127	745.99	3.07	48.18	69.78	29.47	105.856	31.155	1.468	5.636
C314	LW2-C314-D	0.01 U	0.008 U	0.039 J	0.254 J	13.5	84.6	0.295 J	3.82	7.87	2.74	11.7	2.87	0.007 U	0.523
C316	LW2-C316-B	0.09 U	0.164 J	0.159 U	0.451 J	20.002	192.856	1.002 U	12.135	29.972	9.26	64.257	16.816	0.772 J	3.348
C316	LW2-C316-C	0.849	1.132	0.858 U	2.633	125.398	1396.829	5.152	134.82	207.475	85.932	330.269	97.019	4.762	15.019
C316	LW2-C316-D	0.066 J	0.351 J	0.445 J	1.053 J	187.165	1426.625 J	3.976	53.776	58.624	33.791	58.894	11.036	7.905	3.664
C321	LW2-C321-B1	0.157 U	0.06 U	0.104 J	0.333 J	24.483	340.358	1.04 J	0.168 U	0.138 J	0.152 J	1.173 J	0.585 J	0.03 J	0.543
C321-2	LW2-C321-B2	0.373 JT	0.175 JT	0.217 JT	0.751 JT	78.7 T	781 T	2.99 JT	0.282 T	0.446 JT	0.42 JT	4.4 T	1.86 JT	0.077 JT	1.78
C321	LW2-C321-C1	0.004 U	0.012 U	0.011 U	0.066 J	0.521 J	4.486	0.012 U	0.071 U	0.004 U	0.005 U	0.023 J	0.006 U	0.007 U	0.006
C321-2	LW2-C321-E2	0.003 UT	0.01 UT	0.008 UT	0.058 JT	0.267 JT	2.42 JT	0.009 UT	0.004 UT	0.003 UT	0.003 UT	0.021 JT	0.005 UT	0.006 UT	0.005
C323	LW2-C323-B	0.588	0.195 U	2.019	0.813 J	57.127	587.463	2.286	12.805	11.924	5.32	23.495	7.111	0.093 U	0.913
C323	LW2-C323-C	0.365	0.222 J	0.25 J	0.105 U	57.83	696.793	2.531	0.223	0.415 J	0.428 J	2.33	1.723	0.111 U	1.441
C323	LW2-C323-D	0.117 J	0.094 J	0.714 J	0.441 J	18.643	207.389	0.808 J	1.969	3.945	1.117	8.663	2.716	0.076 U	0.325
C324	LW2-C324-B	0.208	0.142 J	0.204 U	0.64 J	33.661	355.639	1.464	0.151 U	0.191 J	0.223 J	1.343	0.865 J	0.226 J	0.781
C324	LW2-C324-D	0.087 U	0.177 J	0.211 J	0.773 J	80.269	606.469	1.88	1.256	1.208	0.711 J	2.95	1.088	0.455 J	0.446
C324	LW2-C324-E	0.036 U	0.279 J	0.455 J	2.156	121.032	1117.16	5.086	195.608	4.657	1.402	8.911	2.93	1.129	2.331
C326	LW2-C326-B	0.2 U	0.153 J	0.197 J	0.562 J	25.794	282.812	1.291	1.254	1.197	0.679 J	2.376	0.995	0.394 J	0.663
C326	LW2-C326-C	0.257 T	0.193 JT	0.0905 JT	0.301 JT	13.4 JT	91.5 JT	0.661 JT	1.89 T	0.603 JT	0.342 JT	1.15 T	0.494 JT	0.024 JT	0.213
C327	LW2-C327-B	0.081 U	0.116 J	0.123 J	0.693 J	43.35	325.165	1.236	0.322	0.247 J	0.316 J	1.05	0.611 J	0.012 U	0.384
C327	LW2-C327-C	0.231	0.306 J	0.43 J	1.414	78.701	769.375	3.006	0.641	0.768 J	0.689 J	4.366	2.5	0.045 U	1.098
C327	LW2-C327-D	0.22 J	0.223 J	0.093 J	0.342 J	17.7	167	0.728 J	7.99	7.27	3.42	10.6	2.85	0.116 J	0.619
C329	LW2-C329-B	0.115 U	0.159 J	0.127 U	0.377 J	29.748	173.654	0.853 J	7.439	4.708	2.083	6.718	1.864	0.02 U	0.547
C329	LW2-C329-C	0.514	0.047 U	0.651 J	2.62	66.326	361.602	3.876	28.286	17.865 U	9.701	30.755	7.393	0.028 U	1.971
C329	LW2-C329-D	0.031 U	0.579 J	0.434 U	2.811	50.401	200.403	2.923	3.642	3.871 U	0.833	4.411	1.328	0.54 J	0.532

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	4-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	PCB106_118	65510-44-3	38380-08-4
	Chemical Name	',8-odibe an	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114	PCB106 & 118	PCB123	PCB156
	Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C185	LW2-C185-B		21.557	5.623	46.944	9.7 T								
C185	LW2-C185-C	J	22.768	0.506 U	10.318	0.91 T								
C192	LW2-C192-B	J	10.827	0.596 J	23.275	2.17 T								
C192	LW2-C192-C	J	53.158	1.387	71.705	4.22 T								
C192	LW2-C192-D	J	6.069	0.08 U	3.767	0.347 T								
C196	LW2-C196-B	J	3.95	0.334 J	9.43	0.519 T								
C196	LW2-C196-C	U	1.01 J	0.051 J	1.763 U	0.0708 T								
C203	LW2-C203-C		61.4	1.79	115	4.31 T	1560	1320	509	1.78 J	2790	162000	2190	20400
C207-1	LW2-C207-B		74.267	3.732	138.369	7.36 T	219	54.6	32.2	2.05 J	114	12500	93.5	1260
C207-2	LW2-C207-B2	JT	27.9 T	0.023 UT	30.2 T	1.8 T								
C207-1	LW2-C207-C	U	0.129 U	0.013 U	0.238 U	0 UT								
C207-2	LW2-C207-C2	UT	0.074 UT	0.016 UT	0.115 UT	0.0668 T								
C207-1	LW2-C207-D	J	0.152 U	0.027 U	0.161 U	0.0758 T								
C210	LW2-C210-B	U	0.026 J	0.007 U	0.044 J	0.00519 T								
C210	LW2-C210-C	U	0.01 J	0.008 U	0.014 J	0.00574 T								
C215	LW2-C215-B	J	0.557 U	0.014 U	0.999 U	0.0842 T								
C232	LW2-C232-B	U	0.308 U	0.026 U	0.734 U	0 UT								
C245	LW2-C245-B		18.373	4.933	46.515	11.5 T								
C245	LW2-C245-C	U	0.042 U	0.025 U	0.069 U	0.00278 T								
C245	LW2-C245-D	U	0.079 U	0.078 U	0.269 U	0.0191 T								
C245	LW2-C245-E	U	0.02 U	0.029 U	0.041 U	0.00053 T								
C247	LW2-C247-B	U	0.599 U	0.032 U	0.794 U	0.0449 T								
C247	LW2-C247-C	U	0.018 U	0.033 U	0.059 U	0 UT								
C247	LW2-C247-D	U	0.018 U	0.032 U	0.052 U	0.011 T								
C260	LW2-C260-B	J	11.686	0.396 J	36.627	1.05 T								
C260	LW2-C260-C	J	3.133	0.022 U	5.992 U	0.142 T								
C263	LW2-C263-C						84.5 J	85.3 J	70.4 J	77.5 U	99.6 U	1360	46.7 J	301
C277	LW2-C277-C	J	48.1	3.35	158	7.17 T	428	28.3	21.5	1.37 J	65.2	5230	49.7	646
C290	LW2-C290-B	J	4.34	0.366 J	10.163 U	0.824 T								
C290	LW2-C290-D	U	0.09 U	0.019 U	0.305 U	0 UT								
C291	LW2-C291-B	J	8.11 J	0.485 J	17.1 J	2.03 T								
C291	LW2-C291-C		28.7	1.58 J	51.9	6.92 T								
C293-2	LW2-C293-B2	J	58.5	4.91	172	7.97 T	251	39.7	31.5	1.68 J	85.7	7110	59.6	1610
C302	LW2-C302-B		46.9 J	12.3 J	121	24.8 T	602	62.1 J	61.3 J	1.28 U	167	5120	115	654
C302	LW2-C302-C	J	117 J	10.3 J	899	141 T	61 J	259 U	259 U	9.1 U	259 U	492	259 U	81.2 J
C313	LW2-C313-B	U	0.36 U	0.048 U	0.866 J	0.0443 T								
C313	LW2-C313-C	U	0.072 U	0.098 U	0.224 U	0.00381 T								
C314	LW2-C314-B		28.223	8.936	26.797	12.8 T								
C314	LW2-C314-C		61.441	19.224	102.383	40.4 T								
C314	LW2-C314-D	J	5.63	1.95	10.4	3.93 T								
C316	LW2-C316-B		31.136	12.005	53.407	16.7 T								
C316	LW2-C316-C		168.317	62.976	296.814	118 T								
C316	LW2-C316-D		55.043	8.525	83.179	37 T								
C321	LW2-C321-B1	J	8.254	0.772 J	33.244	0.836 T								
C321-2	LW2-C321-B2	JT	29.8 T	2.82 JT	106 T	3.22 T								
C321	LW2-C321-C1	U	0.055 J	0.007 U	0.2 J	0.0151 T								
C321-2	LW2-C321-E2	UT	0.077 JT	0.01 UT	0.25 JT	0.0116 T								
C323	LW2-C323-B	U	24.19	4.325	65.13	9.62 T								
C323	LW2-C323-C		19.955	1.339	64.262	2.54 T								
C323	LW2-C323-D	U	6.238	1.162	15.057	2.78 T								
C324	LW2-C324-B	J	10.637	0.816 U	27.152	1.48 T								
C324	LW2-C324-D	J	15.001	1.057	41.125	2.53 T								
C324	LW2-C324-E		32.035	2.222	85.419	24.7 T								
C326	LW2-C326-B	J	6.574	0.716 U	15.765	1.68 T								
C326	LW2-C326-C	JT	5.66 JT	0.401 UT	18.5 JT	1.34 T								
C327	LW2-C327-B	J	9.376	0.52 U	19.678	1.29 T								
C327	LW2-C327-C		26.444	1.813	58.409	3.42 T								
C327	LW2-C327-D	J	8.57	2.12	22.6	5.15 T	59.6 T	1.76 JT	3.02 JT	0.495 JT	10.9 T	666 T	9.02 T	80.9 T
C329	LW2-C329-B	J	6.17	1.285	9.524	3.61 T								
C329	LW2-C329-C		18.953	6.296	35.85	13.9 T								
C329	LW2-C329-D	J	3.356	0.864	5.184	3.18 T								

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**						
C185	LW2-C185-B						
C185	LW2-C185-C						
C192	LW2-C192-B						
C192	LW2-C192-C						
C192	LW2-C192-D						
C196	LW2-C196-B						
C196	LW2-C196-C						
C203	LW2-C203-C	4560	8060	1190	49600	86.7 T	91 T
C207-1	LW2-C207-B	234	529	196	2080	5.56 T	12.9 T
C207-2	LW2-C207-B2						
C207-1	LW2-C207-C						
C207-2	LW2-C207-C2						
C207-1	LW2-C207-D						
C210	LW2-C210-B						
C210	LW2-C210-C						
C215	LW2-C215-B						
C232	LW2-C232-B						
C245	LW2-C245-B						
C245	LW2-C245-C						
C245	LW2-C245-D						
C245	LW2-C245-E						
C247	LW2-C247-B						
C247	LW2-C247-C						
C247	LW2-C247-D						
C260	LW2-C260-B						
C260	LW2-C260-C						
C263	LW2-C263-C	67.8 J	139	99.6 U	438	7.43 JT	
C277	LW2-C277-C	106	261	117	1160	3.28 T	10.4 T
C290	LW2-C290-B						
C290	LW2-C290-D						
C291	LW2-C291-B						
C291	LW2-C291-C						
C293-2	LW2-C293-B2	153	638	361	1580	5.04 T	13 T
C302	LW2-C302-B	136	293	111	2140	7.43 T	32.2 T
C302	LW2-C302-C	45.8 U	39.6 J	20 U	206 J	0.117 T	141 T
C313	LW2-C313-B						
C313	LW2-C313-C						
C314	LW2-C314-B						
C314	LW2-C314-C						
C314	LW2-C314-D						
C316	LW2-C316-B						
C316	LW2-C316-C						
C316	LW2-C316-D						
C321	LW2-C321-B1						
C321-2	LW2-C321-B2						
C321	LW2-C321-C1						
C321-2	LW2-C321-E2						
C323	LW2-C323-B						
C323	LW2-C323-C						
C323	LW2-C323-D						
C324	LW2-C324-B						
C324	LW2-C324-D						
C324	LW2-C324-E						
C326	LW2-C326-B						
C326	LW2-C326-C						
C327	LW2-C327-B						
C327	LW2-C327-C						
C327	LW2-C327-D	12.8 T	33 T	14.1 T	175 T	0.452 T	5.61 T
C329	LW2-C329-B						
C329	LW2-C329-C						
C329	LW2-C329-D						

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Table C2-16. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Subsurface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7-Hexachlorodibenzofuran
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C331	LW2-C331-B	0.054 J	0.056 J	0.062 J	0.235 U	12.581	120.875	0.464 J	0.526	0.491 J	0.233 J	1.053 U	0.346 J	0.017 J	0.104
C331	LW2-C331-C	0.014 U	0.009 U	0.018 U	0.12 J	4.31	35.628	0.185 J	1.636	2.88	0.955	7.133	2.096	0.081 J	0.375
C331	LW2-C331-D	0.006 U	0.012 U	0.01 U	0.034 U	0.703 U	3.649 U	0.052 J	0.013 U	0.008 U	0.009 U	0.026 U	0.014 U	0.01 U	0.008
C331	LW2-C331-E	0.018 U	0.024 U	0.03 U	0.033 U	0.117 U	0.736 U	0.034 U	0.014 U	0.016 U	0.019 U	0.015 U	0.017 U	0.028 U	0.019
C332	LW2-C332-B	12.254	12.191	1.008	2.722	58.729	634.803	9.968	64.669	32.611	24.057	45.146	19.823	0.153 U	8.156
C332	LW2-C332-C	0.029 U	0.023 J	0.008 U	0.038 J	0.399 J	3.416	0.03 J	0.181	0.065 J	0.042 J	0.116 J	0.047 J	0.009 U	0.103
C333	LW2-C333-B	0.146 U	0.227 J	0.157 J	0.697 J	16.927	125.6	0.808	6.296	10.585	3.269	19.24	4.338	0.065 U	0.697
C333	LW2-C333-C	0.003 U	0.006 U	0.004 U	0.004 U	0.941	14.261	0.024 J	0.034 U	0.043 J	0.025 J	0.074 U	0.021 U	0.008 U	0.061
C333	LW2-C333-E	0.192	0.004 U	0.004 U	0.013 J	0.098 J	1.364	0.008 J	0.056 U	0.003 U	0.003 U	0.014 J	0.004 U	0.004 U	0.004
C334	LW2-C334-B	42.212	58.293	3.872	8.292	58.317	324.433	30.998	203.81	243.423	88.395	93.841	48.082	2.392	27.563
C334	LW2-C334-C	2.08 T	1.68 T	0.1 JT	0.267 JT	2.03 T	14 T	0.856 JT	7.62 T	3.62 JT	2.68 T	14.5 JT	4.17 JT	0.282 JT	1.25
C334	LW2-C334-D	1.37	2.02	0.088 J	0.337 J	1.25 J	7.402 U	1.12	3.92	1.43	2.01	0.983 J	0.984 J	0.022 U	0.756
C335	LW2-C335-B	1.66	1.199	0.327 J	0.023 U	31.919	209.867	1.792	44.889	60.592 U	20.196	179.513	36.253	0.088 U	5.683
C335	LW2-C335-C	1.674	0.681 J	0.158 J	0.279 U	10.312	54.561	0.786 J	29.166	12.477	8.047	12.536	3.088	0.048 U	1.377
C335	LW2-C335-E	0.015 U	0.014 U	0.013 U	0.013 U	0.148 U	1.329 U	0.014 U	0.012 U	0.009 U	0.011 U	0.011 U	0.012 U	0.012 U	0.014
C342	LW2-C342-B	0.007 U	0.03 U	0.041 J	0.148 J	11.5	95.7	0.473 J	0.121 U	0.04 U	0.044 J	0.215 J	0.083 U	0.014 U	0.123
C342	LW2-C342-C	0.036 U	0.112 J	0.155 J	0.639 J	31	310	1.41 J	0.285 J	0.281 J	0.206 J	1.05 J	0.447 J	0.027 U	0.386
C348	LW2-C348-B	0.454	0.218 U	1.255 U	2.695 U	148	1960 J	6.51	613	1240	521	2050	604	22	90.9
C351	LW2-C351-B	0.193 J	0.017 U	3.91 U	8.931	224.298	1763.25 J	5.021	155.287	260.918 U	114.654	464.247	149.333	5.452 J	25.015
C351	LW2-C351-C	0.01 U	0.007 U	0.009 U	0.009 U	0.491 U	3.527 U	0.01 U	0.445 U	0.191 J	0.12 J	0.339 U	0.12 J	0.008 U	0.043
C351	LW2-C351-D	0.008 UT	0.005 UT	0.006 UT	0.006 UT	0.107 UT	0.642 UT	0.007 UT	0.013 UT	0.024 JT	0.005 UT	0.023 UT	0.005 UT	0.005 UT	0.005
C351	LW2-C351-E	0.007 U	0.006 U	0.005 U	0.083 J	0.419 U	1.849 U	0.006 U	0.008 U	0.004 U	0.005 U	0.018 U	0.003 U	0.004 U	0.003
C366-1	LW2-C366-C1	0.102 U	0.108 U	0.574 J	1.78	90.7	850	3.93	81.4	170	49.2	289	89.5	3.83	11.3
C371	LW2-C371-B														
C372	LW2-C372-B	0.047 U	0.063 U	0.058 J	0.202 J	6.252	75.951	0.438 J	0.126 U	0.111 J	0.231 J	0.721 U	1.074	0.026 U	0.771
C372	LW2-C372-C	0.011 U	0.035 U	0.023 U	0.15 J	3.048	39.434	0.251 U	0.165 U	0.034 U	0.093 J	0.234 U	0.915	0.02 U	0.433
C377	LW2-C377-B	0.045 J	0.045 U	0.066 J	0.26 J	7.78	61.705	0.371 J	0.494	0.424 J	0.191 J	0.745 U	0.261 J	0.03 U	0.149
C377	LW2-C377-C	0.067 J	0.132 J	0.133 U	0.548 J	20.044	187.547	1.126	2.318	1.629	1.002 J	2.695	0.852 J	0.044 J	0.449
C377	LW2-C377-D	0.296 J	0.489 J	0.595 J	1.88	85	830	3.79	6.58	26.1	6.14	56.1	15.3	0.601 J	1.81
C377	LW2-C377-E	0.297	1.461	0.033 U	2.512	59.379	635.86 J	6.169	6.994	10.948	4.628	23.75	12.285	3.79	4.816
C382	LW2-C382-B	0.008 U	0.093 J	0.132 J	0.545 J	40	399	1.44	0.127 U	0.092 J	0.18 J	0.647 J	0.948 J	0.135 J	0.841
C397	LW2-C397-B	0.166 J	0.341 J	0.504 J	0.009 U	91.404	983.527	3.675	0.749	0.387 J	0.475 J	2.613	1.539 J	0.074 J	1.334
C397	LW2-C397-C	0.367	0.575 J	0.851 J	2.321	113.383	1262.895 J	5.744	0.691 U	0.546 J	0.687 J	3.368	2.108	0.103 J	1.206
C397	LW2-C397-D	0.061 U	0.126 J	0.114 J	0.414 J	16.464	212.372	0.978 J	0.227 U	0.1 U	0.17 U	0.614 J	1.079 J	0.014 U	0.706
C401	LW2-C401-E														
C403	LW2-C403-B	0.017 U	0.042 J	0.02 J	0.102 J	2.69 U	34.433	0.24 J	0.087 U	0.042 J	0.066 U	0.153 U	0.333 J	0.011 U	0.246
C403	LW2-C403-C	0.016 U	0.011 U	0.012 U	0.012 U	0.143 U	1.205 U	0.013 U	0.02 U	0.006 U	0.007 U	0.016 U	0.008 U	0.009 U	0.008
C403	LW2-C403-D	0.026 U	0.01 U	0.009 U	0.01 U	0.134 U	1.154 U	0.011 U	0.021 U	0.009 U	0.01 U	0.007 U	0.007 U	0.009 U	0.008
C405	LW2-C405-B	0.049 U	0.201 J	0.279 J	0.792 J	36.1	302	1.62	0.326	0.177 J	0.233 J	0.64 J	0.371 J	0.028 J	0.198
C409	LW2-C409-C														
C417	LW2-C417-C	0.191 J	0.375 J	0.578 J	2.12	87.8	1060	4.25	0.48	0.356 J	0.437 J	2.85	1.96	0.145 J	0.528
C420	LW2-C420-B	0.032 U	0.056 J	0.061 J	0.325 J	15.763	203.332	0.622 J	0.435	0.179 J	0.142 J	0.712 U	0.583 J	0.069 U	0.329
C420	LW2-C420-C	0.021 U	0.035 U	0.032 U	0.166 J	6.073	61.03	0.421 J	0.342 U	0.084 J	0.106 J	0.591 U	0.416 J	0.023 U	0.24
C426	LW2-C426-B	0.09 U	0.129 J	0.238 J	0.728 J	31.444	470.973	1.686	0.275	0.22 J	0.176 U	0.711 J	0.89 J	0.075 U	0.61
C426	LW2-C426-C	0.039 UT	0.042 UT	0.035 UT	0.037 UT	0.883 JT	9.51 T	0.037 UT	0.031 UT	0.027 UT	0.028 UT	0.031 UT	0.032 UT	0.041 UT	0.034
C430	LW2-C430-C	0.179 U	0.345 J	0.488 J	1.77	165	3000 J	3.9	0.847	0.887 J	0.676 J	2.36	2.51	0.079 J	1.62
C431	LW2-C431-B	1.46	3	2.49	10.6	462	6230 J	23.6	1.54	1.83	2.22	10.5	6.08	0.259 J	3.01
C437	LW2-C437-B	0.019 U	0.019 U	0.042 U	0.164 J	6.184	72.055	0.354 J	0.056 U	0.021 U	0.058 J	0.16 U	0.236 J	0.017 U	0.161
C437	LW2-C437-C	0.016 U	0.015 U	0.009 U	0.01 U	0.113 U	0.861 U	0.01 U	0.017 U	0.011 U	0.012 U	0.008 U	0.009 U	0.009 U	0.01
C437	LW2-C437-D	0.014 U	0.012 U	0.01 U	0.011 U	0.073 U	0.476 U	0.012 U	0.017 U	0.007 U	0.008 U	0.007 U	0.007 U	0.009 U	0.008
C450	LW2-C450-B	0.124 U	0.038 J	0.068 J	0.253 J	14.214	371.827	0.438 J	0.127 U	0.017 U	0.052 J	0.174 U	0.088 J	0.027 U	0.1
C450	LW2-C450-C	0.936	0.362 J	0.378 J	1.645 J	112.668	1462.611 J	3.465 J	0.542	0.325 J	0.467 J	1.378 J	0.861 J	0.06 U	0.943
C453	LW2-C453-B	5.51	1.34 J	1.32 J	6.34	429	6080 J	9.92	1.33	0.811 J	0.798 J	3.43	2.03	0.083 U	2.48
C454	LW2-C454-B	0.012 U	0.053 U	0.036 J	0.166 U	6.781	89.991	0.354 J	0.071 U	0.059 J	0.091 U	0.208 J	0.336 J	0.02 U	0.288
C454	LW2-C454-C	0.055 J	0.209 J	0.111 U	0.576 J	24.999	593.583	1.859	0.152 J	0.419 J	0.535 J	0.973 J	5.746	0.022 U	1.609
C454	LW2-C454-D	0.025 U	0.174 J	0.104 J	0.519 J	14.957	255.977	1.331	0.146 J	0.427 J	0.508 J	0.737 J	7.218	0.035 U	1.572
C454	LW2-C454-E	0.015 U	0.016 U	0.023 U	0.025 U	1.609	26.951	0.122 J	0.053 U	0.036 U	0.076 J	0.103 J	0.515 J	0.021 U	0.118
C455	LW2-C455-B	83.6	20.6	16.2	85.3	10800	183000	171	34.3	16.783 U	29.9	59.9	23	0.026 U	17.3
C455	LW2-C455-C	2.16	1.58 J	1.7	6.42	423	5190 J	15.7	1.57	1 J	1.98	6.87	8.9	0.202 J	2.08
C474	LW2-C474-B	0.024 U	0.049 J	0.068 J	0.213 J	8.397	70.258	0.343 J	0.166 U	0.037 U	0.061 J	0.145 J	0.071 J	0.01 U	0.104
C474	LW2-C474-C	0.019 UT	0.025 UT	0.045 JT	0.145 JT	5.35 T	45.9 T	0.278 JT	0.151 UT	0.025 JT	0.0325 JT	0.093 UT	0.059 JT	0.007 UT	0.061

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	4-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	PCB106_118	65510-44-3	38380-08-4
	Chemical Name	',8-odibe an	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114	PCB106 & 118	PCB123	PCB156
	Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C331	LW2-C331-B	U	2.853	0.283 U	10.582	0.56 T								
C331	LW2-C331-C	J	4.248	1.078	10.829	1.89 T								
C331	LW2-C331-D	U	0.168 U	0.013 U	0.268 U	0.0052 T								
C331	LW2-C331-E	U	0.042 U	0.088 U	0.203 U	0 UT								
C332	LW2-C332-B		65.728	8.275	86.57	54.7 T								
C332	LW2-C332-C	J	0.376 J	0.02 J	0.29 J	0.107 T								
C333	LW2-C333-B	J	8.279	2.929	15.14	5.91 T								
C333	LW2-C333-C	J	0.205 J	0.055 J	0.945 J	0.0367 T								
C333	LW2-C333-E	U	0.021 U	0.01 U	0.097 J	0.197 T								
C334	LW2-C334-B		88.609	16.333	157.486	200 T								
C334	LW2-C334-C	JT	9.87 JT	2.87 JT	7.13 JT	8.34 T								
C334	LW2-C334-D	J	1.71	0.151 J	2.644 U	5.32 T								
C335	LW2-C335-B		57.712	23.351	72.049	41 T								
C335	LW2-C335-C		8.01	2.593	16.257	11.9 T								
C335	LW2-C335-E	U	0.045 U	0.025 U	0.148 U	0 UT								
C342	LW2-C342-B	J	2.18	0.137 J	4.887 U	0.27 T	111	30.2	13.2	1.07 J	41.8	2490	31.3	327
C342	LW2-C342-C	J	6.42	0.381 J	16.06 U	1.08 T	309	19	27.4	1.46 J	87.9	5310	72.9	689
C348	LW2-C348-B		942	420	1950 J	677 T								
C351	LW2-C351-B		241.889	99.977	351.1	145 T								
C351	LW2-C351-C	J	0.216 U	0.082 J	0.476 U	0.0867 T								
C351	LW2-C351-D	UT	0.007 UT	0.009 UT	0.011 UT	0.0012 T								
C351	LW2-C351-E	U	0.007 U	0.009 U	0.008 U	0.0083 T								
C366-1	LW2-C366-C1		129	47.3	221	84 T	2030	183	111	6.49 U	710	19300	481	1300
C371	LW2-C371-B						1240	127	47.3	2.94 U	265	9890	233	734
C372	LW2-C372-B	U	14.953	0.071 U	8.916	0.519 T								
C372	LW2-C372-C	U	11.288	0.06 U	3.164 U	0.3 T								
C377	LW2-C377-B	J	1.53 U	0.361 J	5.809	0.41 T								
C377	LW2-C377-C	J	4.505	0.598 J	12.012	1.86 T								
C377	LW2-C377-D		39.1	6.57	105	15.2 T								
C377	LW2-C377-E		235.108	4.423	129.224	13.7 T	25 U	7.01 U	7.94 J	1.38 U	24.4	1120	16.9	325
C382	LW2-C382-B		42.4	0.735 J	91.4	1.54 T	216	45.6	48.8	3.96 J	198	12300	143	1390
C397	LW2-C397-B	J	28.713	1.677 J	101.835	3.14 T								
C397	LW2-C397-C		30.911	1.919 J	99.506	4.48 T	799	88.3	102	3.79	357	22000	304	2850
C397	LW2-C397-D	J	12.328	0.37 J	21.7	0.832 T								
C401	LW2-C401-E						3070	240	73.1	1.09 U	741	15000	427	726
C403	LW2-C403-B	J	4.572	0.074 J	3.404 U	0.188 T								
C403	LW2-C403-C	U	0.055 U	0.012 U	0.041 U	0 UT								
C403	LW2-C403-D	U	0.012 U	0.015 U	0.023 U	0 UT								
C405	LW2-C405-B	J	5.92	0.401 J	18.6	1.21 T								
C409	LW2-C409-C						363	49.6	34	1.05 J	212	10800	173	1290
C417	LW2-C417-C	J	26.2	4.19	102	3.39 T								
C420	LW2-C420-B	J	4.161 U	0.936 J	10.184	0.56 T								
C420	LW2-C420-C	J	3.146	0.451 J	4.226 U	0.284 T	270	55.6	66.3	3.92 J	258	13600	153	1520
C426	LW2-C426-B	J	8.998	0.455 J	22.259	1.11 T								
C426	LW2-C426-C	UT	0.18 JT	0.04 UT	0.49 JT	0.0116 T								
C430	LW2-C430-C	J	68	1.62 J	378	4.77 T								
C431	LW2-C431-B		76.8	5.57	132	17.5 T	3120	131	76.9	3.71 U	380	14300	254	1450
C437	LW2-C437-B	J	2.34	0.088 J	4.025 U	0.214 T								
C437	LW2-C437-C	U	0.013 U	0.016 U	0.026 U	0 UT								
C437	LW2-C437-D	U	0.011 U	0.015 U	0.019 U	0 UT								
C450	LW2-C450-B	J	2.402	0.073 J	10.724	0.364 T								
C450	LW2-C450-C	J	20.936	0.857 J	123.702	3.97 T								
C453	LW2-C453-B		96.3	4.5	988	16 T	13700	895	284	10	2060	84500	4330	9740
C454	LW2-C454-B	J	4.569	0.092 U	10.327	0.249 T								
C454	LW2-C454-C		60.309	0.46 J	33.172	2.56 T								
C454	LW2-C454-D		43.584	0.41 U	22.174	2.23 T								
C454	LW2-C454-E	U	2.521	0.049 U	1.261 J	0.156 T								
C455	LW2-C455-B		924	42.7	18800	298 T	120000	5010	2020	5.36 U	19100	488000	13500	32200
C455	LW2-C455-C		182	7.08	900	15.9 T	723	85.1	72.5	4.31 U	239	13400	152	1990
C474	LW2-C474-B	J	1.44	0.086 J	4.966 U	0.28 T								
C474	LW2-C474-C	UT	1.04 JT	0.047 JT	2.065 UT	0.139 T								

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**						
C331	LW2-C331-B						
C331	LW2-C331-C						
C331	LW2-C331-D						
C331	LW2-C331-E						
C332	LW2-C332-B						
C332	LW2-C332-C						
C333	LW2-C333-B						
C333	LW2-C333-C						
C333	LW2-C333-E						
C334	LW2-C334-B						
C334	LW2-C334-C						
C334	LW2-C334-D						
C335	LW2-C335-B						
C335	LW2-C335-C						
C335	LW2-C335-E						
C342	LW2-C342-B	61.8	140	45.1	649	1.88 T	2.15 T
C342	LW2-C342-C	116	285	99	1390	3.92 T	5 T
C348	LW2-C348-B						
C351	LW2-C351-B						
C351	LW2-C351-C						
C351	LW2-C351-D						
C351	LW2-C351-E						
C366-1	LW2-C366-C1	276	537	153	9490	15.4 T	99.4 T
C371	LW2-C371-B	160	296	82.4	4290	6.9 T	
C372	LW2-C372-B						
C372	LW2-C372-C						
C377	LW2-C377-B						
C377	LW2-C377-C						
C377	LW2-C377-D						
C377	LW2-C377-E	31.3	135	68.9	360	1.14 T	14.9 T
C382	LW2-C382-B	281	541	117	3310	7.47 T	9.01 T
C397	LW2-C397-B						
C397	LW2-C397-C	539	1150	355	5790	15.1 T	19.5 T
C397	LW2-C397-D						
C401	LW2-C401-E	133	257	106	8630	10.9 T	
C403	LW2-C403-B						
C403	LW2-C403-C						
C403	LW2-C403-D						
C405	LW2-C405-B						
C409	LW2-C409-C	278	509	92.4	3430	5.8 JT	
C417	LW2-C417-C						
C420	LW2-C420-B						
C420	LW2-C420-C	296	603	141	3980	9.53 T	9.82 T
C426	LW2-C426-B						
C426	LW2-C426-C						
C430	LW2-C430-C						
C431	LW2-C431-B	228	622	264	4710	11 T	28.6 T
C437	LW2-C437-B						
C437	LW2-C437-C						
C437	LW2-C437-D						
C450	LW2-C450-B						
C450	LW2-C450-C						
C453	LW2-C453-B	1640	3720	1390	30800	48.8 T	64.8 T
C454	LW2-C454-B						
C454	LW2-C454-C						
C454	LW2-C454-D						
C454	LW2-C454-E						
C455	LW2-C455-B	6060	11600	3580	237000	318 T	615 T
C455	LW2-C455-C	288	752	304	4250	10.4 T	26.3 T
C474	LW2-C474-B						
C474	LW2-C474-C						

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Table C2-16. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Subsurface Sediment Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7 Hexachlor nzofura
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**														
C477	LW2-C477-B														
C494	LW2-C494-C	0.041 U	0.109 J	0.123 J	0.481 J	17.8	200	0.797 J	0.219 J	0.067 J	0.14 J	0.32 J	0.2 J	0.027 U	0.145
C523	LW2-C523-B	0.019 U	0.102 J	0.028 U	0.186 J	31.223 J	179.842	0.85 J	2.212	3.959	1.331 J	7.684	1.988 J	0.012 U	0.246
C523	LW2-C523-C	0.007 UT	0.012 UT	0.01 UT	0.049 UT	3.78 JT	40.4 JT	0.149 JT	0.637 T	0.552 JT	0.239 JT	0.909 JT	0.337 JT	0.0155 JT	0.055
WR-VC-02	WLR0499WRVC02WRVC02	0.68 U	0.89 U	1.7 U	5.2 J	190 B	1800 B	11 B	3 B	1.9 U	1.3 U	4.4 U	2.1 U	0.19 U	1.1
WR-VC-05	WLR0499WRVC05WRVC05	0.76 U	1.4 U	2 U	7.5 J	220 B	2000 B	15 B	3.2 B	1.2 U	1.8 U	3.5 U	2.4 U	0.17 U	1.5
SD072	WR-WSI98SD0720000A	1.2	1.8 U	1.9 U	5.1	61	570			62	38		65 UJ	16	8.7
SD081C	WR-WSI98SD081C0000A	0.76 U	1.6 U	1.2 U	1.4 U	29	180	3.1 U	84	49	57	110 J	26 J	22	10
SD092	WR-WSI98SD0920000A	6.9 U	6.9 U	11 U	13	210	2100	22	15000	18000 U	11000	22000 J	5600 UJ	2700	1300

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	4-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	PCB106_118	65510-44-3	38380-08-4
	Chemical Name	',8-odibe an	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114	PCB106 & 118	PCB123	PCB156
	Unit		pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**													
C477	LW2-C477-B						456	96.1	77.2	2.94 J	315	29000	420	3510
C494	LW2-C494-C	J	2.96	0.22 J	10.399 U	0.641 T	761	20.9	121	12.5	273	16700	205	2810
C523	LW2-C523-B	J	4.351 J	1.172 J	10.185	2.67 T								
C523	LW2-C523-C	UT	1.39 JT	0.236 JT	3.24 JT	0.41 T								
WR-VC-02	WLR0499WRVC02WRVC02	U	25 B	2.8 U	73 B	4.26 J								
WR-VC-05	WLR0499WRVC05WRVC05	U	33 B	3.4 U	94 B	5.31 J								
SD072	WR-WSI98SD0720000A		42	17	99	27.6 JT								
SD081C	WR-WSI98SD081C0000A		34	20	82	57 JT								
SD092	WR-WSI98SD0920000A		5400	2200	4900	9680 JT								

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Table C2-16. Dioxin, Furan, and PCB Congener Values Us

	CAS No	69782-90-7	52663-72-6	39635-31-9	32598-14-4	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB157	PCB167	PCB189	PCB105	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**						
C477	LW2-C477-B	902	1410	199	8390	14 JT	
C494	LW2-C494-C	424	1220	743	4580	16.3 T	16.9 T
C523	LW2-C523-B						
C523	LW2-C523-C						
WR-VC-02	WLR0499WRVC02WRVC02						
WR-VC-05	WLR0499WRVC05WRVC05						
SD072	WR-WSI98SD0720000A						
SD081C	WR-WSI98SD081C0000A						
SD092	WR-WSI98SD0920000A						

Notes:
B - Analyte detected in method blank.
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C009	LW2-C009-B	2.7 NJ	0.531 NJ	0.272 NJ	3.5 JT	1.14 NJ	0.0307 UJ	0.0406 UJ	4.64 JT	3.84 JT	0.531 JT	0.272 JT
C009	LW2-C009-C	3.22 NJ	2.99 NJ	0.177 J	6.39 JT	0.79 J	0.043 U	0.206 J	7.38 JT	4.01 JT	2.99 JT	0.383 JT
C011-1	LW2-C011-B1	3 NJT	0.531 JT	0.405 JT	3.94 JT	0.577 NJT	0.0368 UJT	0.0487 UJT	4.51 JT	3.58 JT	0.531 JT	0.405 JT
C011-2	LW2-C011-B2	2.1 J	0.459 NJ	0.259 NJ	2.82 JT	0.495 NJ	0.0349 U	0.0462 U	3.31 JT	2.6 JT	0.459 JT	0.259 JT
C011-1	LW2-C011-C1	11.3 T	10.1 T	1.63 JT	23 JT	1.81 NJT	0.373 JT	0.601 JT	25.8 JT	13.1 JT	10.5 JT	2.23 JT
C011-2	LW2-C011-C2	19.8 NJ	3.19 NJ	1.37 NJ	24.4 JT	5.5 NJ	0.378 U	0.499 U	29.9 JT	25.3 JT	3.19 JT	1.37 JT
C011-1	LW2-C011-D1	7.14 JT	2.5 JT	0.606 UJT	9.64 JT	1.61 JT	0.372 UJT	0.52 UJT	11.3 JT	8.75 JT	2.5 JT	0.606 UJT
C011-2	LW2-C011-D2	7.73 J	10.5 J	0.648 J	18.9 JT	2.2 J	0.046 U	0.454 NJ	21.5 JT	9.93 JT	10.5 JT	1.1 JT
C011-2	LW2-C011-E2	4.47	1.91	0.803 NJ	7.18 JT	2.2 NJ	0.582 NJ	1.63 J	11.6 JT	6.67 JT	2.49 JT	2.43 JT
C011-1	LW2-C011-F1	0.13 U	0.064 U	0.45 U	0.45 UT	0.08 U	0.083 U	0.31 U	0.45 UT	0.13 UT	0.083 UT	0.45 UT
C015	LW2-C015-B	4.48 J	3.42 NJ	0.39 NJ	8.29 JT	1.73 NJ	0.0446 UJ	0.0589 UJ	10 JT	6.21 JT	3.42 JT	0.39 JT
C015	LW2-C015-C	11.6 NJ	4.05 NJ	1.34 J	17 JT	3.49 J	1.74 NJ	0.48 U	22.2 JT	15.1 JT	5.79 JT	1.34 JT
C015	LW2-C015-D	28.6 NJ	9.14 NJ	3.59 J	41.3 JT	5.8 NJ	1.42 J	2.82 J	51.4 JT	34.4 JT	10.6 JT	6.41 JT
C015	LW2-C015-E	0.55	0.15 U	0.23 U	0.55 T	1.1 U	0.2 U	0.47 J	1.02 JT	0.55 T	0.2 UT	0.47 JT
C019-1	LW2-C019-B1	1.58 NJ	1.37 NJ	0.628 J	3.58 JT	1.96 NJ	0.0332 U	0.0439 UJ	5.54 JT	3.54 JT	1.37 JT	0.628 JT
C019-1	LW2-C019-C1	12.2 NJ	0.465 U	R	12.2 JT	9.51 NJ	0.351 U	2.67 NJ	24.4 JT	21.7 JT	0.465 UT	2.67 JT
C019-1	LW2-C019-D1	1.4 NJ	0.84 J	1.1	3.34 JT	5.4 U	2.8 U	3.3 U	3.34 JT	1.4 JT	0.84 JT	1.1 T
C019-2	LW2-C019-E2	0.12 U	0.062 U	0.35 U	0.35 UT	0.2 U	0.081 U	0.065 U	0.35 UT	0.2 UT	0.081 UT	0.35 UT
C020	LW2-C020-B	3.14 NJ	3.75 NJ	0.507 J	7.4 JT	1.78 NJ	0.048 U	0.527 J	9.7 JT	4.92 JT	3.75 JT	1.03 JT
C020	LW2-C020-C	10.4 NJ	3.66 NJ	40.5 J	54.6 JT	4.27 NJ	0.174 U	2.62 J	61.5 JT	14.7 JT	3.66 JT	43.1 JT
C020	LW2-C020-D	7.7 J	4.2 NJ	8.8 J	20.7 JT	8 U	5.6 U	8.2 U	20.7 JT	7.7 JT	4.2 JT	8.8 JT
C022	LW2-C022-B	3.39 NJ	5.15 NJ	0.441 J	8.98 JT	1.14 J	0.05 U	0.451 NJ	10.6 JT	4.53 JT	5.15 JT	0.892 JT
C022	LW2-C022-C	3.6 NJ	3.57 NJ	0.736 NJ	7.91 JT	0.532 NJ	0.185 J	0.417 NJ	9.04 JT	4.13 JT	3.76 JT	1.15 JT
C025-1	LW2-C025-B1	0.0514 U	2.23 NJ	0.477 NJ	2.71 JT	5.25 NJ	0.0365 U	0.342 NJ	8.3 JT	5.25 JT	2.23 JT	0.819 JT
C025-1	LW2-C025-C1	0.0621 U	0.0583 U	0.0718 UJ	0.0718 UJT	0.08 J	0.226 J	0.248 J	0.554 JT	0.08 JT	0.226 JT	0.248 JT
C025-2	LW2-C025-D2	0.0505 UJ	0.0473 UJ	0.0584 UJ	0.0584 UJT	0.28 NJ	0.369 NJ	0.0473 UJ	0.649 JT	0.28 JT	0.369 JT	0.0584 UJT
C027	LW2-C027-B	0.534 J	0.489 J	0.071 NJ	1.09 JT	0.149 NJ	0.0384 U	0.0508 UJ	1.24 JT	0.683 JT	0.489 JT	0.071 JT
C027	LW2-C027-C	0.289 J	0.244 J	0.0694 UJ	0.533 JT	0.0401 UJ	0.0426 U	0.0563 UJ	0.533 JT	0.289 JT	0.244 JT	0.0694 UJT
C034	LW2-C034-B	0.182 J	0.079 J	0.083 NJ	0.344 JT	0.0341 UJ	0.0362 UJ	0.0479 UJ	0.344 JT	0.182 JT	0.079 JT	0.083 JT
C034	LW2-C034-C	0.519 J	0.235 J	0.115 J	0.869 JT	0.056 NJ	0.0365 UJ	0.0483 UJ	0.925 JT	0.575 JT	0.235 JT	0.115 JT
C034	LW2-C034-E	1.25 J	0.706 J	0.149 J	2.11 JT	0.261 NJ	0.0367 UJ	0.0486 UJ	2.37 JT	1.51 JT	0.706 JT	0.149 JT
C034	LW2-C034-F	0.37 J	0.12 J	0.21 UJ	0.49 JT	0.17 NJ	0.083 U	0.067 U	0.66 JT	0.54 JT	0.12 JT	0.21 UJT
C038	LW2-C038-B	1.56 NJ	0.226 NJ	R	1.79 JT	0.394 NJ	0.0367 U	0.0485 UJ	2.18 JT	1.95 JT	0.226 JT	0.0485 UJT
C038	LW2-C038-C	0.803 NJ	0.281 NJ	0.191 NJ	1.28 JT	0.56 NJ	0.0343 U	0.0454 UJ	1.84 JT	1.36 JT	0.281 JT	0.191 JT
C038	LW2-C038-D	0.0581 UJ	0.147 J	0.0672 UJ	0.147 JT	0.402 NJ	0.0412 UJ	0.0545 UJ	0.549 JT	0.402 JT	0.147 JT	0.0672 UJT
C060	LW2-C060-B	101 J	7.81 J	3.1 J	112 JT	16.2 NJ	2.92 J	0.309 UJ	131 JT	117 JT	10.7 JT	3.1 JT
C060	LW2-C060-C	59.7 J	5.46 J	1.88 J	67 JT	15.9 J	1.16 J	1.64 J	85.7 JT	75.6 JT	6.62 JT	3.52 JT
C061	LW2-C061-C	5 J	3.7 J	1.3 UJ	8.7 JT	2.1 J	1.1	1 J	12.9 JT	7.1 JT	4.8 JT	1 JT
C061	LW2-C061-E	0.15 UJ	0.057 UJ	0.19 UJ	0.19 UJT	0.2 U	0.2 U	0.06 U	0.2 UT	0.2 UT	0.2 UT	0.19 UJT
C062	LW2-C062-B	0.0485 UJ	0.0455 U	0.0561 UJ	0.0561 UJT	0.0324 UJ	0.0344 U	0.0455 UJ	0.0561 UJT	0.0485 UJT	0.0455 UT	0.0561 UJT
C062	LW2-C062-C	0.0519 UJ	0.0487 U	0.06 UJ	0.06 UJT	0.0346 UJ	0.0368 U	0.0487 UJ	0.06 UJT	0.0519 UJT	0.0487 UT	0.06 UJT
C062	LW2-C062-D	0.0513 UJ	0.0481 U	0.0594 UJ	0.0594 UJT	0.0343 UJ	0.177 J	0.0481 UJ	0.177 JT	0.0513 UJT	0.177 JT	0.0594 UJT
C064	LW2-C064-B	0.328 UJ	0.307 UJ	0.379 UJ	0.379 UJT	0.219 UJ	0.232 UJ	0.307 UJ	0.379 UJT	0.328 UJT	0.307 UJT	0.379 UJT
C064	LW2-C064-C	0.0582 UJ	0.0545 UJ	0.0672 UJ	0.0672 UJT	0.0388 UJ	0.0412 UJ	0.205 NJ	0.205 JT	0.0582 UJT	0.0545 UJT	0.205 JT
C066	LW2-C066-B	0.496 J	0.232 J	0.129 J	0.857 JT	0.0392 UJ	0.0417 UJ	0.0551 UJ	0.857 JT	0.496 JT	0.232 JT	0.129 JT
C066	LW2-C066-C	0.0565 UJ	0.053 UJ	0.197 NJ	0.197 JT	0.2 NJ	0.04 UJ	0.053 UJ	0.397 JT	0.2 JT	0.053 UJT	0.197 JT
C066	LW2-C066-F	0.14 UJ	0.07 UJ	0.69 UJ	0.69 UJT	0.2 U	0.091 U	0.26 U	0.69 UJT	0.2 UT	0.091 UT	0.69 UJT
C067	LW2-C067-B	4.92 J	3.63 J	1.84 J	10.4 JT	1.01 NJ	0.601 NJ	0.478 J	12.5 JT	5.93 JT	4.23 JT	2.32 JT
C067	LW2-C067-D	33.6 J	12.4 J	1.84 J	47.8 JT	8.06 NJ	2.1	0.549 J	58.5 JT	41.7 JT	14.5 JT	2.39 JT
C067	LW2-C067-E	0.604 J	0.453 J	0.342 UJ	1.06 JT	0.764 NJ	0.21 U	0.277 U	1.82 JT	1.37 JT	0.453 JT	0.342 UJT
C073	LW2-C073-B	0.727 J	0.383 J	0.0594 UJ	1.11 JT	0.102 NJ	0.0364 UJ	0.0482 UJ	1.21 JT	0.829 JT	0.383 JT	0.0594 UJT
C073	LW2-C073-C	8.22 J	5.38 J	0.724 J	14.3 JT	1.71 NJ	0.202 UJ	0.267 UJ	16 JT	9.93 JT	5.38 JT	0.724 JT
C073	LW2-C073-D	10.8 J	2.11 J	1.51 J	14.4 JT	2.55 NJ	0.549 NJ	0.225 UJ	17.5 JT	13.4 JT	2.66 JT	1.51 JT
C074	LW2-C074-B	2.41 J	2.54 J	0.394 J	5.34 JT	0.598 NJ	0.0439 U	0.456 NJ	6.4 JT	3.01 JT	2.54 JT	0.85 JT
C074	LW2-C074-C	0.616 J	0.412 J	0.295 UJ	1.03 JT	0.769 NJ	0.181 U	0.239 U	1.8 JT	1.39 JT	0.412 JT	0.295 UJT
C074	LW2-C074-D	0.583 J	0.896 J	0.13 J	1.61 JT	0.923 NJ	0.09 NJ	0.053 U	2.62 JT	1.51 JT	0.986 JT	0.13 JT
C074	LW2-C074-F	0.0515 UJ	0.0483 U	0.0595 UJ	0.0595 UJT	0.0344 U	0.114	0.0483 U	0.114 T	0.0515 UJT	0.114 T	0.0595 UJT
C077	LW2-C077-C	27 J	2.64 J	2.3 J	31.9 JT	6.39 NJ	0.195 UJ	1.37 NJ	39.7 JT	33.4 JT	2.64 JT	3.67 JT
C077	LW2-C077-D	0.407 J	0.0562 UJ	0.0693 UJ	0.407 JT	0.04 UJ	0.0425 UJ	0.0562 UJ	0.407 JT	0.407 JT	0.0562 UJT	0.0693 UJT
C078	LW2-C078-B	0.12 U	0.061 U	0.57 NJ	0.57 JT	0.077 U	0.08 U	0.26 U	0.57 JT	0.12 UT	0.08 UT	0.57 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C078	LW2-C078-C	0.12 U	0.061 U	0.38 U	0.38 UT	0.077 U	0.08 U	0.26 U	0.38 UT	0.12 UT	0.08 UT	0.38 UT
C079	LW2-C079-B	0.13 U	0.066 U	0.22 U	0.22 UT	0.083 U	0.086 U	0.069 U	0.22 UT	0.13 UT	0.086 UT	0.22 UT
C079	LW2-C079-C	0.12 U	0.062 U	0.21 U	0.21 UT	0.078 U	0.081 U	0.065 U	0.21 UT	0.12 UT	0.081 UT	0.21 UT
C080	LW2-C080-B	2.7	1.2 J	1.4	5.3 JT	2.5 J	0.11 U	1.6 J	9.4 JT	5.2 JT	1.2 JT	3 JT
C080	LW2-C080-C	0.27 NJ	0.17 U	0.18 U	0.27 JT	1.2 J	0.071 U	0.058 U	1.47 JT	1.47 JT	0.17 UT	0.18 UT
C082	LW2-C082-B1	2.3	1.3 J	1.4 J	5 JT	2.6 J	0.26 U	1.2	8.8 JT	4.9 JT	1.3 JT	2.6 JT
C082-2	LW2-C082-B2	1.7 T	1.1 JT	1.65 NJT	4.45 JT	2 JT	0.93 JT	1 T	8.38 JT	3.7 JT	2.03 JT	2.65 JT
C082	LW2-C082-C1	0.11 U	0.056 UJ	0.65 J	0.65 JT	0.07 U	0.073 U	0.059 U	0.65 JT	0.11 UT	0.073 UT	0.65 JT
C082-2	LW2-C082-C2	0.375 T	0.245 T	0.19 UT	0.62 T	0.37 JT	0.073 UT	0.28 JT	1.27 JT	0.745 JT	0.245 T	0.28 JT
C082	LW2-C082-D1	0.33 U	0.049 U	0.16 U	0.33 UT	0.062 U	0.13 U	0.051 U	0.33 UT	0.33 UT	0.13 UT	0.16 UT
C082-2	LW2-C082-D2	0.11 UT	0.053 UT	0.18 UT	0.18 UT	0.067 UT	0.069 UT	0.056 UT	0.18 UT	0.11 UT	0.069 UT	0.18 UT
C083	LW2-C083-B	1.2	1.2 NJ	5.9	8.3 JT	1.8 U	1.1 U	5 J	13.3 JT	1.2 T	1.2 JT	10.9 JT
C083	LW2-C083-C	1.3	1.4 NJ	6	8.7 JT	1.8 U	0.35 U	5.3 J	14 JT	1.3 T	1.4 JT	11.3 JT
C084	LW2-C084-B	1.6	1.4 NJ	7.7 J	10.7 JT	2 U	0.2 U	6.5	17.2 JT	1.6 T	1.4 JT	14.2 JT
C084	LW2-C084-C	0.26 J	0.42 J	0.92	1.6 JT	0.77 U	0.12 U	0.74 J	2.34 JT	0.26 JT	0.42 JT	1.66 JT
C084	LW2-C084-D	0.13 U	0.063 U	0.29 U	0.29 UT	0.16 U	0.082 U	0.16 U	0.29 UT	0.16 UT	0.082 UT	0.29 UT
C086	LW2-C086-B	1.98 J	1.77 J	0.751 J	4.5 JT	0.358 NJ	0.047 UJ	0.0622 UJ	4.86 JT	2.34 JT	1.77 JT	0.751 JT
C086	LW2-C086-C	0.0436 UJ	0.0409 UJ	0.0504 UJ	0.0504 UJT	0.0291 UJ	0.092 J	0.0409 UJ	0.092 JT	0.0436 UJT	0.092 JT	0.0504 UJT
C087	LW2-C087-B	1.5	1.6 NJ	0.81 U	3.1 JT	1.7 U	0.86 U	4.5	7.6 JT	1.5 T	1.6 JT	4.5 T
C087	LW2-C087-C	0.12 U	0.098 J	0.19 U	0.098 JT	0.39 U	0.075 U	0.62	0.718 JT	0.39 UT	0.098 JT	0.62 T
C088	LW2-C088-B	1.7	3 NJ	0.96 U	4.7 JT	1.9 U	0.95 U	6 J	10.7 JT	1.7 T	3 JT	6 JT
C088	LW2-C088-C	0.2 J	0.15 J	0.45	0.8 JT	0.5 J	0.067 U	0.39 J	1.69 JT	0.7 JT	0.15 JT	0.84 JT
C089	LW2-C089-B	4.8 J	2 UJ	81 J	85.8 JT	27 U	2 U	170 NJ	256 JT	4.8 JT	2 UJT	251 JT
C089	LW2-C089-C	0.11 UJ	0.055 UJ	1.4 J	1.4 JT	0.48 U	0.81 U	2.3 J	3.7 JT	0.48 UT	0.81 UT	3.7 JT
C089	LW2-C089-D	0.13 UJ	0.064 UJ	0.21 UJ	0.21 UJT	0.08 U	0.083 U	0.25 U	0.25 UT	0.13 UJT	0.083 UT	0.25 UT
C090	LW2-C090-B	1.5	1.1 NJ	11	13.6 JT	2.8 U	1.2 U	9.9 J	23.5 JT	1.5 T	1.1 JT	20.9 JT
C090	LW2-C090-C	0.11 U	0.053 U	0.17 U	0.17 UT	0.16 J	0.084 U	0.2 U	0.16 JT	0.16 JT	0.084 UT	0.2 UT
C091	LW2-C091-B	2.7	1.9 NJ	6.8 J	11.4 JT	1.9 U	0.31 U	6.4 J	17.8 JT	2.7 T	1.9 JT	13.2 JT
C091	LW2-C091-C	2.3	5.4 NJ	1.3 U	7.7 JT	2.3 U	0.22 U	7.7	15.4 JT	2.3 T	5.4 JT	7.7 T
C091	LW2-C091-D	0.11 U	0.057 U	0.19 U	0.19 UT	0.071 U	0.074 U	0.077 J	0.077 JT	0.11 UT	0.074 UT	0.077 JT
C092	LW2-C092-B	12 UJ	20 UJ	36 NJ	36 JT	400 U	20 U	1500 J	1540 JT	400 UT	20 UJT	1540 JT
C092	LW2-C092-C	13 UJ	2.2 UJ	64 UJ	64 UJT	330 U	20 U	790 J	790 JT	330 UT	20 UT	790 JT
C092	LW2-C092-D	0.69 J	0.2 UJ	0.58 UJ	0.69 JT	0.69 U	0.2 U	2.8 J	3.49 JT	0.69 JT	0.2 UJT	2.8 JT
C092	LW2-C092-E	0.13 UJ	0.064 UJ	0.21 UJ	0.21 UJT	0.2 U	0.083 U	0.067 U	0.21 UJT	0.2 UT	0.083 UT	0.21 UJT
C093	LW2-C093-B	75.3	77.8	17.7	171 T	25.3 NJ	9.81 J	8.56 NJ	214 JT	101 JT	87.6 JT	26.3 JT
C093	LW2-C093-C	0.0516 U	0.0484 U	0.0596 U	0.0596 UT	0.0344 U	0.0366 U	0.0484 U	0.0596 UT	0.0516 UT	0.0484 UT	0.0596 UT
C094	LW2-C094-B	11	10 NJ	59	80 JT	24 U	14 U	58 J	138 JT	11 T	10 JT	117 JT
C094	LW2-C094-C	0.13 U	0.2 U	0.22 U	0.22 UT	0.2 U	0.2 U	0.15 U	0.22 UT	0.2 UT	0.2 UT	0.22 UT
C096	LW2-C096-B	3.6	1.6 U	9.7 U	3.6 T	6.5 U	15 U	18 J	21.6 JT	3.6 T	15 UT	18 JT
C096	LW2-C096-C	0.11 U	0.057 U	0.19 U	0.19 UT	0.11 U	0.075 U	0.06 U	0.19 UT	0.11 UT	0.075 UT	0.19 UT
C099	LW2-C099-B	19	12 NJ	19 J	50 JT	5.9 U	0.47 U	14 J	64 JT	19 T	12 JT	33 JT
C099	LW2-C099-C	53	19 J	380	452 JT	34 J	2 U	14 U	486 JT	87 JT	19 JT	380 T
C103	LW2-C103-B	2.3 J	3 J	3.1 J	8.4 JT	1.4 U	0.33 U	2.2	10.6 JT	2.3 JT	3 JT	5.3 JT
C103	LW2-C103-D	41 J	14 NJ	170 J	225 JT	10 J	0.093 U	3.2 NJ	238 JT	51 JT	14 JT	173 JT
C103	LW2-C103-E	0.11 UJ	0.056 UJ	0.43 UJ	0.43 UJT	0.23 U	0.36 U	0.66 NJ	0.66 JT	0.23 UT	0.36 UT	0.66 JT
C105	LW2-C105-B	3.06 J	0.822 J	0.132 J	4.01 JT	0.823 NJ	0.304	0.187	5.33 JT	3.88 JT	1.13 JT	0.319 JT
C105	LW2-C105-C	0.0599 UJ	0.0561 U	0.0692 UJ	0.0692 UJT	0.04 U	0.0424 U	0.0561 U	0.0692 UJT	0.0599 UJT	0.0561 UT	0.0692 UJT
C106	LW2-C106-B	3 J	4 J	2.8 UJ	7 JT	1.4 U	0.29 U	2	9 JT	3 JT	4 JT	2 T
C106	LW2-C106-C	18	9.1 U	93	111 T	13 U	1.9 U	6.4 U	111 T	18 T	9.1 UT	93 T
C106	LW2-C106-E	14	13 NJ	11 J	38 JT	6.3 J	0.2 U	4.3 U	44.3 JT	20.3 JT	13 JT	11 JT
C106	LW2-C106-F	0.2 U	0.06 U	0.2 U	0.2 UT	0.31 J	0.2 U	0.34 U	0.31 JT	0.31 JT	0.2 UT	0.34 UT
C109	LW2-C109-B	3.1 J	3.6 J	7.9 NJ	14.6 JT	2 U	0.29 U	3.6 J	18.2 JT	3.1 JT	3.6 JT	11.5 JT
C109	LW2-C109-C	8.2 J	7 J	3.1 J	18.3 JT	3.3 J	0.34 U	2.9	24.5 JT	11.5 JT	7 JT	6 JT
C109	LW2-C109-E	0.11 UJ	0.057 UJ	0.19 UJ	0.19 UJT	0.2 U	0.074 U	0.06 U	0.2 UT	0.2 UT	0.074 UT	0.19 UJT
C111-1	LW2-C111-B	4.92 J	6.03 J	0.833 J	11.8 JT	2.1 NJ	0.315 NJ	0.363 J	14.6 JT	7.02 JT	6.35 JT	1.2 JT
C111-2	LW2-C111-B2	3.62 J	3.94 J	0.598 J	8.16 JT	1 NJ	0.162 NJ	0.507 J	9.83 JT	4.62 JT	4.1 JT	1.11 JT
C111-1	LW2-C111-C	6.78 J	7.65 J	0.628 J	15.1 JT	1.7 NJ	0.0503 U	0.408 J	17.2 JT	8.48 JT	7.65 JT	1.04 JT
C111-2	LW2-C111-C2	12.2 J	12.1 J	1.88 J	26.2 JT	2.83 NJ	3.18 NJ	0.49 J	32.7 JT	15 JT	15.3 JT	2.37 JT
C111-2	LW2-C111-E2	24.2 J	9.89 J	2.02 J	36.1 JT	6.62 NJ	4.77 J	0.612 J	48.1 JT	30.8 JT	14.7 JT	2.63 JT
C111-1	LW2-C111-F	0.281 UJ	0.263 U	0.324 UJ	0.324 UJT	0.646 NJ	0.199 U	0.263 U	0.646 JT	0.646 JT	0.263 UT	0.324 UJT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C112	LW2-C112-B	2.92 J	3.66 J	0.745 J	7.33 JT	1.31 NJ	0.0485 U	0.369 J	9 JT	4.23 JT	3.66 JT	1.11 JT
C112	LW2-C112-C	18.6 J	10.8	7.38 J	36.8 JT	6.85 NJ	0.247 U	0.711 J	44.3 JT	25.5 JT	10.8 T	8.09 JT
C112	LW2-C112-D	19 J	12.3 J	3.27 J	34.6 JT	6.35 NJ	2.6 J	0.662 J	44.2 JT	25.4 JT	14.9 JT	3.93 JT
C121	LW2-C121-B	25.8 J	4.23 J	5.32 J	35.4 JT	2.55 J	0.222 UJ	0.294 UJ	37.9 JT	28.4 JT	4.23 JT	5.32 JT
C121	LW2-C121-C	9.51 J	1.61 J	0.376 NJ	11.5 JT	2.64 NJ	0.219 UJ	0.289 UJ	14.1 JT	12.2 JT	1.61 JT	0.376 JT
C121	LW2-C121-D	0.12 UJ	0.058 UJ	0.19 UJ	0.19 UJT	0.072 U	0.075 U	0.06 U	0.19 UJT	0.12 UJT	0.075 UT	0.19 UJT
C122	LW2-C122-B	8.72	5.03	2.35 J	16.1 JT	1.83 NJ	2.1 NJ	0.305 U	20 JT	10.6 JT	7.13 JT	2.35 JT
C122	LW2-C122-C	126	14.9	3.73 J	145 JT	20.7 NJ	7.8 NJ	0.559 U	173 JT	147 JT	22.7 JT	3.73 JT
C127	LW2-C127-B	68 J	20 NJ	23 J	111 JT	29	1 U	0.39 U	140 JT	97 JT	20 JT	23 JT
C127	LW2-C127-C	50 J	14 NJ	4.9 J	68.9 JT	31	3.1 U	3.5 U	99.9 JT	81 JT	14 JT	4.9 JT
C127	LW2-C127-D	0.45 UJ	0.2 UJ	0.19 UJ	0.45 UJT	0.6 U	0.3 U	0.062 U	0.6 UT	0.6 UT	0.3 UT	0.19 UJT
C130	LW2-C130-B	6.94	2.99	0.723 NJ	10.7 JT	3.33 J	2.46 J	2.13 NJ	18.6 JT	10.3 JT	5.45 JT	2.85 JT
C130	LW2-C130-C	0.0457 U	0.0428 U	0.0528 UJ	0.0528 UJT	0.0305 U	0.0324 U	0.0428 U	0.0528 UJT	0.0457 UT	0.0428 UT	0.0528 UJT
C130	LW2-C130-E	0.0527 U	0.0494 U	0.0609 UJ	0.0609 UJT	0.0352 U	0.0374 U	0.0494 U	0.0609 UJT	0.0527 UT	0.0494 UT	0.0609 UJT
C133	LW2-C133-B	6.74 NJ	3.51 NJ	3.17 J	13.4 JT	1.04 NJ	0.053 UJ	0.275 J	14.7 JT	7.78 JT	3.51 JT	3.45 JT
C133	LW2-C133-C	6.3	4	2	12.3 T	3.4 J	1.3	1.4	18.4 JT	9.7 JT	5.3 T	3.4 T
C133	LW2-C133-D	36.3 NJ	10.1 NJ	5.64 J	52 JT	5.63 NJ	1.57 J	1.88 J	61.1 JT	41.9 JT	11.7 JT	7.52 JT
C135	LW2-C135-B	6.9 J	4.5	61	72.4 JT	2.1 U	2.2 U	1.8 U	72.4 JT	6.9 JT	4.5 T	61 T
C135	LW2-C135-D	11	5.3 J	2.2	18.5 JT	6 J	1.2	2.2	27.9 JT	17 JT	6.5 JT	4.4 T
C136	LW2-C136-B	29.8 J	6	3.11 J	38.9 JT	4.67 NJ	1.5 J	0.969 NJ	46 JT	34.5 JT	7.5 JT	4.08 JT
C136	LW2-C136-C	31.3	13.4 J	1.55 J	46.3 JT	5.26 NJ	0.274 U	1.3 NJ	52.8 JT	36.6 JT	13.4 JT	2.85 JT
C136	LW2-C136-D	56.3	7.95 J	1.44 NJ	65.7 JT	12.1 NJ	6.8 NJ	0.315 U	84.6 JT	68.4 JT	14.8 JT	1.44 JT
C138	LW2-C138-B	3.6 J	1.8 J	2.5 J	7.9 JT	2.1 NJ	0.44 NJ	1.4 U	10.4 JT	5.7 JT	2.24 JT	2.5 JT
C138	LW2-C138-D	0.12 UJ	0.059 UJ	0.2 UJ	0.2 UJT	0.074 U	0.077 U	0.062 U	0.2 UJT	0.12 UJT	0.077 UT	0.2 UJT
C139	LW2-C139-B	7.42 NJ	3.26 NJ	19.2 NJ	29.9 JT	0.57 NJ	0.265 U	0.351 UJ	30.5 JT	7.99 JT	3.26 JT	19.2 JT
C139	LW2-C139-C	8.25 NJ	3.48 NJ	R	11.7 JT	1.02 NJ	0.081 U	0.107 UJ	12.8 JT	9.27 JT	3.48 JT	0.107 UJT
C139	LW2-C139-D	0.11 UJ	0.055 UJ	0.18 UJ	0.18 UJT	0.2 U	0.071 U	0.2 U	0.2 UT	0.2 UT	0.071 UT	0.2 UT
C142	LW2-C142-B	117	14.4	8.68 J	140 JT	17.9 NJ	4.98 J	1.4 NJ	164 JT	135 JT	19.4 JT	10.1 JT
C142	LW2-C142-C	145	12.8	6.95 J	165 JT	50.2 J	10.5 J	5.12 J	231 JT	195 JT	23.3 JT	12.1 JT
C144	LW2-C144-B	7.7 J	4.6 J	8.7 J	21 JT	2.4 J	0.66 U	0.83 U	23.4 JT	10.1 JT	4.6 JT	8.7 JT
C144	LW2-C144-D	2.9	0.87 NJ	1.2	4.97 JT	1.7 NJ	0.31 U	0.94 J	7.61 JT	4.6 JT	0.87 JT	2.14 JT
C147	LW2-C147-B	19.9	9.53	23.6 J	53 JT	3.8 NJ	1.29 J	0.328 U	58.1 JT	23.7 JT	10.8 JT	23.6 JT
C147	LW2-C147-C	226	24.7	482 J	733 JT	47.6 J	6.64	6.43 J	793 JT	274 JT	31.3 T	488 JT
C147	LW2-C147-D	58 J	13 NJ	24 J	95 JT	45	2 U	6 U	140 JT	103 JT	13 JT	24 JT
C147	LW2-C147-E	35.7	7.83 J	4.04 J	47.6 JT	9.5 NJ	8.79 NJ	2.98 NJ	68.8 JT	45.2 JT	16.6 JT	7.02 JT
C148	LW2-C148-B	5.9 J	3.4	1.2 U	9.3 JT	2.6 NJ	0.64 U	0.62 J	12.5 JT	8.5 JT	3.4 T	0.62 JT
C148	LW2-C148-D	7.9	4.8	2.7	15.4 T	4.9 J	1.8 J	2	24.1 JT	12.8 JT	6.6 JT	4.7 T
C155	LW2-C155-B	0.313 U	0.293 U	0.362 UJ	0.362 UJT	0.209 U	0.222 U	0.293 U	0.362 UJT	0.313 UT	0.293 UT	0.362 UJT
C155	LW2-C155-C	0.312 U	0.293 U	0.361 UJ	0.361 UJT	0.208 U	0.221 U	0.293 U	0.361 UJT	0.312 UT	0.293 UT	0.361 UJT
C157	LW2-C157-B	0.644 J	0.312 UJ	1.52 NJ	2.16 JT	0.222 UJ	0.236 UJ	0.312 UJ	2.16 JT	0.644 JT	0.312 UJT	1.52 JT
C157	LW2-C157-C	0.308 UJ	0.289 UJ	0.356 UJ	0.356 UJT	0.206 UJ	0.218 UJ	0.289 UJ	0.356 UJT	0.308 UJT	0.289 UJT	0.356 UJT
C158	LW2-C158-B	4.2 J	3.3 J	1.6 J	9.1 JT	2.9 J	0.86	0.84 NJ	13.7 JT	7.1 JT	4.16 JT	2.44 JT
C158	LW2-C158-D	5.1 J	2.3 J	1.3 J	8.7 JT	3.8	1.1	1.5	15.1 JT	8.9 JT	3.4 JT	2.8 JT
C160	LW2-C160-B	0.554 J	0.309 UJ	0.381 UJ	0.554 JT	0.22 UJ	0.234 UJ	0.309 UJ	0.554 JT	0.554 JT	0.309 UJT	0.381 UJT
C160	LW2-C160-C	0.316 UJ	0.296 UJ	0.365 UJ	0.365 UJT	0.211 UJ	0.224 UJ	0.296 UJ	0.365 UJT	0.316 UJT	0.296 UJT	0.365 UJT
C161	LW2-C161-B	0.577 J	0.32 UJ	0.394 UJ	0.577 JT	0.228 UJ	0.242 UJ	0.32 UJ	0.577 JT	0.577 JT	0.32 UJT	0.394 UJT
C161	LW2-C161-C	0.284 UJ	0.267 UJ	0.329 UJ	0.329 UJT	0.19 UJ	0.202 UJ	0.267 UJ	0.329 UJT	0.284 UJT	0.267 UJT	0.329 UJT
C162	LW2-C162-B	5.1 J	3.2 J	2 J	10.3 JT	2.8	0.74	1.8 NJ	15.6 JT	7.9 JT	3.94 JT	3.8 JT
C162	LW2-C162-D	0.29 J	0.2 UJ	0.2 UJ	0.29 JT	0.2 U	0.078 U	0.063 U	0.29 JT	0.29 JT	0.2 UJT	0.2 UJT
C163-1	LW2-C163-B1	0.175 J	0.0446 UJ	0.055 UJ	0.175 JT	0.251 NJ	0.0338 UJ	0.0446 UJ	0.426 JT	0.426 JT	0.0446 UJT	0.055 UJT
C163-2	LW2-C163-B2	0.0445 UJT	0.0417 UJT	0.0514 UJT	0.0514 UJT	0.0297 UJT	0.0315 UJT	0.0417 UJT	0.0514 UJT	0.0445 UJT	0.0417 UJT	0.0514 UJT
C163-1	LW2-C163-C1	0.0733 UJ	0.093 J	0.0847 UJ	0.093 JT	0.0489 UJ	0.052 UJ	0.0687 UJ	0.093 JT	0.0733 UJT	0.093 JT	0.0847 UJT
C163-2	LW2-C163-C2	0.295 UJT	0.277 UJT	0.342 UJT	0.342 UJT	0.197 UJT	0.21 UJT	0.277 UJT	0.342 UJT	0.295 UJT	0.277 UJT	0.342 UJT
C164	LW2-C164-B	0.598 J	0.527 J	0.241 J	1.37 JT	0.759 NJ	0.0324 U	0.647 NJ	2.77 JT	1.36 JT	0.527 JT	0.888 JT
C164	LW2-C164-C	0.439 J	0.395 NJ	0.1 J	0.934 JT	0.032 U	0.034 U	0.045 U	0.934 JT	0.439 JT	0.395 JT	0.1 JT
C164	LW2-C164-E	38.3	15	35.5 J	88.8 JT	6.17 NJ	5.66 NJ	1.21 NJ	102 JT	44.5 JT	20.7 JT	36.7 JT
C166	LW2-C166-B	2.16 J	1.55 J	0.321 UJ	3.71 JT	0.234 NJ	0.197 UJ	0.261 UJ	3.94 JT	2.39 JT	1.55 JT	0.321 UJT
C166	LW2-C166-C	142 J	10.1 J	5.4 J	158 JT	11.3 NJ	2.73 J	4.62 J	176 JT	153 JT	12.8 JT	10 JT
C166	LW2-C166-D	56.7 J	18.2 J	6.93 J	81.8 JT	31.9 J	3.97 J	0.287 UJ	118 JT	88.6 JT	22.2 JT	6.93 JT
C167	LW2-C167-B	5.9	3.8 J	3.8 J	13.5 JT	1.9 J	0.11 U	0.81 U	15.4 JT	7.8 JT	3.8 JT	3.8 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C167	LW2-C167-C	6.7	4.5 J	2.5 J	13.7 JT	4.3	0.2 U	1.7 J	19.7 JT	11 T	4.5 JT	4.2 JT
C167	LW2-C167-D	4.1	1.4 J	0.65 J	6.15 JT	2.5 U	0.2 U	0.72 U	6.15 JT	4.1 T	1.4 JT	0.65 JT
C169	LW2-C169-C	7.4	4.7 J	2	14.1 JT	4.6 J	1.4 J	1.5 J	21.6 JT	12 JT	6.1 JT	3.5 JT
C170	LW2-C170-B	5.67 NJ	0.283 U	2.69 NJ	8.36 JT	1.04 J	0.214 U	1.78 J	11.2 JT	6.71 JT	0.283 UT	4.47 JT
C170	LW2-C170-C	0.254 NJ	0.0472 U	R	0.254 JT	0.078 J	0.192 J	0.225 J	0.749 JT	0.332 JT	0.192 JT	0.225 JT
C171	LW2-C171-B	14.6 J	4.42 NJ	0.751 J	19.8 JT	1.72 NJ	0.0565 UJ	0.739 J	22.2 JT	16.3 JT	4.42 JT	1.49 JT
C171	LW2-C171-C	176 J	7.5 NJ	74.3 J	258 JT	3.33 NJ	0.205 U	0.271 U	261 JT	179 JT	7.5 JT	74.3 JT
C171	LW2-C171-D	0.19 J	0.061 U	0.2 U	0.19 JT	0.15 U	0.079 U	0.064 U	0.19 JT	0.19 JT	0.079 UT	0.2 UT
C172	LW2-C172-B	5.37 NJ	3.21 NJ	1.34 J	9.92 JT	1.22 J	0.05 U	0.471	11.6 JT	6.59 JT	3.21 JT	1.81 JT
C172	LW2-C172-C	40.4 NJ	15.3 NJ	22.6 J	78.3 JT	11.2 J	6.94 NJ	2.09 J	98.5 JT	51.6 JT	22.2 JT	24.7 JT
C172	LW2-C172-E	1.4	0.24 J	13 J	14.64 JT	0.71 J	0.22 J	0.062 U	15.6 JT	2.11 JT	0.46 JT	13 JT
C173	LW2-C173-B	7.4 J	4.2	1.4 U	11.6 JT	3.3 NJ	0.96 J	0.64 U	15.9 JT	10.7 JT	5.16 JT	1.4 UT
C173	LW2-C173-D	0.28	0.086 J	0.19 U	0.366 JT	0.2 J	0.074 U	0.06 U	0.566 JT	0.48 JT	0.086 JT	0.19 UT
C176	LW2-C176-B	7.29 J	2.96 J	1.24 J	11.5 JT	0.803 NJ	0.359 J	0.4 NJ	13.1 JT	8.09 JT	3.32 JT	1.64 JT
C176	LW2-C176-C	2.06	0.405	0.065 UJ	2.47 T	0.88 NJ	0.131 J	0.211 J	3.69 JT	2.94 JT	0.536 JT	0.211 JT
C176	LW2-C176-G	0.052 U	0.0488 U	0.0601 UJ	0.0601 UJT	0.1 J	0.184 NJ	0.0488 U	0.284 JT	0.1 JT	0.184 JT	0.0601 UJT
C179	LW2-C179-B	53.4 NJ	8.45 NJ	24.3 J	86.2 JT	14.1 NJ	0.468 U	0.619 UJ	100 JT	67.5 JT	8.45 JT	24.3 JT
C179	LW2-C179-C	1.42 NJ	0.317 U	1.01 NJ	2.43 JT	0.225 U	0.239 U	0.317 UJ	2.43 JT	1.42 JT	0.317 UT	1.01 JT
C179	LW2-C179-D	0.32 UJ	0.3 U	0.37 UJ	0.37 UJT	0.214 U	0.227 U	0.3 UJ	0.37 UJT	0.32 UJT	0.3 UT	0.37 UJT
C182	LW2-C182-B	26.9 NJ	6.69 NJ	6.58 J	40.2 JT	6.96 J	2.1 NJ	0.892 NJ	50.1 JT	33.9 JT	8.79 JT	7.47 JT
C182	LW2-C182-C	144 J	15.4 NJ	29.2 J	189 JT	22.4 J	5.94 NJ	1.6	219 JT	166 JT	21.3 JT	30.8 JT
C182	LW2-C182-D	160	58 NJ	44	262 JT	110	1.9 U	20 U	372 JT	270 T	58 JT	44 T
C184	LW2-C184-B	17.1 J	6.39 J	4.78 J	28.3 JT	2.15 NJ	1.74 J	2.22 NJ	34.4 JT	19.3 JT	8.13 JT	7 JT
C184	LW2-C184-C	190 J	19.7	28.4 J	238 JT	37.9 NJ	4.94	2.65 J	284 JT	228 JT	24.6 T	31.1 JT
C184	LW2-C184-D	0.291 J	0.145 NJ	0.0655 UJ	0.436 JT	0.099 NJ	0.0402 U	0.0532 U	0.535 JT	0.39 JT	0.145 JT	0.0655 UJT
C187	LW2-C187-B	150	50 NJ	25	225 JT	82	6.5 U	6.6 U	307 JT	232 T	50 JT	25 T
C187	LW2-C187-C	47	3.8 U	9.6 J	56.6 JT	31	3.8 U	31 U	87.6 JT	78 T	3.8 UT	9.6 JT
C187	LW2-C187-D	0.33 U	0.056 U	0.18 U	0.33 UT	0.2 U	0.072 U	0.058 U	0.33 UT	0.33 UT	0.072 UT	0.18 UT
C192	LW2-C192-B	9.76 J	4.8 J	0.756 J	15.3 JT	2.77 NJ	1.83 NJ	0.653 NJ	20.6 JT	12.5 JT	6.63 JT	1.41 JT
C192	LW2-C192-C	68.1 J	8.54 J	7.24 J	83.9 JT	16 J	2.45 J	2.05 NJ	104 JT	84.1 JT	11 JT	9.29 JT
C192	LW2-C192-D	0.844 J	0.232 U	0.286 UJ	0.844 JT	0.165 U	0.176 U	0.232 U	0.844 JT	0.844 JT	0.232 UT	0.286 UJT
C196	LW2-C196-B	1.2 J	0.28 UJ	0.19 UJ	1.2 JT	1.8 J	0.3 U	0.34 U	3 JT	3 JT	0.3 UT	0.34 UT
C196	LW2-C196-C	0.2	0.08 U	0.65	0.85 T	0.23 U	0.074 U	0.16 J	1.01 JT	0.2 T	0.08 UT	0.81 JT
C197	LW2-C197-B	16.4 NJ	7.74 NJ	0.784 NJ	24.9 JT	5.5 NJ	0.254 U	0.335 UJ	30.4 JT	21.9 JT	7.74 JT	0.784 JT
C197	LW2-C197-C	185 J	18.2 NJ	57.9 J	261 JT	59.9 J	5.71 J	5.78 NJ	332 JT	245 JT	23.9 JT	63.7 JT
C197	LW2-C197-D	0.176 NJ	0.0427 U	R	0.176 JT	0.201 NJ	0.0323 U	0.0427 U	0.377 JT	0.377 JT	0.0427 UT	0.0427 UT
C199	LW2-C199-B	7.22 NJ	1.3 NJ	0.422 NJ	8.94 JT	4.85 NJ	0.222 U	0.294 UJ	13.8 JT	12.1 JT	1.3 JT	0.422 JT
C199	LW2-C199-C	0.0573 U	0.093 NJ	0.2 NJ	0.293 JT	0.233 NJ	0.23 J	0.0538 UJ	0.756 JT	0.233 JT	0.323 JT	0.2 JT
C202	LW2-C202-B	38.2 J	12.3	6.53 J	57 JT	14.7 J	0.486 U	0.642 UJ	71.7 JT	52.9 JT	12.3 T	6.53 JT
C202	LW2-C202-C	116 NJ	9.52 NJ	64.9 J	190 JT	41.3 NJ	0.499 U	8.99 J	241 JT	157 JT	9.52 JT	73.9 JT
C202	LW2-C202-D	0.11 U	0.056 U	0.18 U	0.18 UT	0.12 U	0.072 U	0.058 U	0.18 UT	0.12 UT	0.072 UT	0.18 UT
C203	LW2-C203-B	3.75 J	2.19 J	0.664 NJ	6.6 JT	1.03 NJ	0.239 UJ	0.316 UJ	7.63 JT	4.78 JT	2.19 JT	0.664 JT
C203	LW2-C203-C	101 NJ	9.9 J	10.8 J	122 JT	21.8 J	0.236 UJ	0.767 NJ	144 JT	123 JT	9.9 JT	11.6 JT
C203	LW2-C203-E	0.0566 UJ	0.053 U	0.0654 UJ	0.0654 UJT	0.0378 U	0.0401 U	0.053 UJ	0.0654 UJT	0.0566 UJT	0.053 UT	0.0654 UJT
C206	LW2-C206-B	57.5 J	14.3 J	39.4 J	111 JT	16.8 NJ	9.57 J	2.4 J	140 JT	74.3 JT	23.9 JT	41.8 JT
C206	LW2-C206-C	0.093	0.0418 U	0.0516 UJ	0.093 T	0.0298 U	0.0316 U	0.0418 U	0.093 T	0.093 T	0.0418 UT	0.0516 UJT
C207-1	LW2-C207-B	25.6 NJ	4.06 NJ	3.35 J	33 JT	8.39 NJ	0.242 U	0.319 UJ	41.4 JT	34 JT	4.06 JT	3.35 JT
C207-2	LW2-C207-B2	13.4 NJT	2.66 NJT	15.6 JT	31.7 JT	3.47 NJT	0.245 UT	0.324 UJT	35.1 JT	16.9 JT	2.66 JT	15.6 JT
C207-1	LW2-C207-C	0.0556 UJ	0.0521 UJ	0.0643 UJ	0.0643 UJT	0.0371 UJ	0.0394 UJ	0.0521 UJ	0.0643 UJT	0.0556 UJT	0.0521 UJT	0.0643 UJT
C207-2	LW2-C207-C2	0.0569 UJT	0.0534 UJT	0.0712 UJT	0.0712 UJT	0.0411 UJT	0.0404 UT	0.0534 UJT	0.0712 UJT	0.0569 UJT	0.0534 UJT	0.0712 UJT
C207-1	LW2-C207-D	0.302 UJ	0.283 U	0.349 UJ	0.349 UJT	0.406 NJ	0.214 U	0.283 UJ	0.406 JT	0.406 JT	0.283 UT	0.349 UJT
C210	LW2-C210-B	0.0547 U	0.08 J	0.0632 UJ	0.08 JT	0.0365 U	0.0388 U	0.0513 U	0.08 JT	0.0547 UT	0.08 JT	0.0632 UJT
C210	LW2-C210-C	0.0506 U	0.0475 U	0.0585 UJ	0.0585 UJT	0.0338 U	0.409 NJ	0.0475 U	0.409 JT	0.0506 UT	0.409 JT	0.0585 UJT
C213	LW2-C213-B	0.0484 U	0.0454 U	0.0559 UJ	0.0559 UJT	0.0323 U	0.0343 U	0.0454 U	0.0559 UJT	0.0484 UT	0.0454 UT	0.0559 UJT
C213	LW2-C213-C	0.0527 U	0.0494 U	0.0609 UJ	0.0609 UJT	0.0352 U	0.0374 U	0.287 NJ	0.287 JT	0.0527 UT	0.0494 UT	0.287 JT
C213	LW2-C213-D	0.0514 U	0.0482 U	0.0594 UJ	0.0594 UJT	0.0343 U	0.0364 U	0.0482 U	0.0594 UJT	0.0514 UT	0.0482 UT	0.0594 UJT
C215	LW2-C215-B	0.27 J	0.17 U	0.18 U	0.27 JT	0.17 U	0.071 U	0.084 U	0.27 JT	0.27 JT	0.17 UT	0.18 UT
C215	LW2-C215-C	0.11 U	0.053 U	0.18 U	0.18 UT	0.067 U	0.069 U	0.056 U	0.18 UT	0.11 UT	0.069 UT	0.18 UT
C220	LW2-C220-B	3.26 NJ	0.345 NJ	1.56 NJ	5.17 JT	0.167 U	0.177 U	0.935 NJ	6.1 JT	3.26 JT	0.345 JT	2.5 JT
C220	LW2-C220-C	0.989 NJ	0.619 NJ	R	1.61 JT	0.399 NJ	0.0386 UJ	0.199 J	2.21 JT	1.39 JT	0.619 JT	0.199 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C221	LW2-C221-B	9.94 NJ	0.758 NJ	2.81 J	13.5 JT	2.48 J	0.188 U	1.76 NJ	17.7 JT	12.4 JT	0.758 JT	4.57 JT
C221	LW2-C221-C	3.4 NJ	0.248 U	1.66 NJ	5.06 JT	1.04 J	0.188 U	0.885 J	6.99 JT	4.44 JT	0.248 UT	2.55 JT
C227	LW2-C227-B	9.1 J	3.8 J	5.5 J	18.4 JT	5 J	1 U	0.66 U	23.4 JT	14.1 JT	3.8 JT	5.5 JT
C227	LW2-C227-C	9 J	4.3 J	6.3 J	19.6 JT	5	1 U	1.7	26.3 JT	14 JT	4.3 JT	8 JT
C228	LW2-C228-B	44.6 NJ	4.44 NJ	1.85 NJ	50.9 JT	11.3 NJ	0.214 UJ	1.83 NJ	64 JT	55.9 JT	4.44 JT	3.68 JT
C231	LW2-C231-B	130 J	22.9 J	6.53 NJ	159 JT	52.5 J	21.1 J	9.64 NJ	243 JT	183 JT	44 JT	16.2 JT
C231	LW2-C231-C	2.27 NJ	0.663 NJ	R	2.93 JT	0.927 NJ	1.02 NJ	0.258 UJ	4.88 JT	3.2 JT	1.68 JT	0.258 UJT
C232	LW2-C232-B	0.289 NJ	0.126 NJ	0.107 J	0.522 JT	0.146 J	0.0323 U	0.0427 UJ	0.668 JT	0.435 JT	0.126 JT	0.107 JT
C232	LW2-C232-C	0.0502 U	0.047 U	0.058 UJ	0.058 UJT	0.0335 U	0.09 J	0.047 UJ	0.09 JT	0.0502 UT	0.09 JT	0.058 UJT
C240	LW2-C240-B	27.7 J	8.64	21.6 J	57.9 JT	10.1 J	0.246 UJ	1.49 J	69.5 JT	37.8 JT	8.64 T	23.1 JT
C240	LW2-C240-D	8.63 J	1.54 J	10.6 NJ	20.8 JT	2.9 J	1.11 U	4.74 J	28.4 JT	11.5 JT	1.54 JT	15.3 JT
C240	LW2-C240-E	1.59 U	1.49 U	3.93 J	3.93 JT	1.06 U	1.13 U	2.05 J	5.98 JT	1.59 UT	1.49 UT	5.98 JT
C244	LW2-C244-B	4.04 NJ	2.25 NJ	1.03 NJ	7.32 JT	2.2 NJ	0.0461 U	0.0609 U	9.52 JT	6.24 JT	2.25 JT	1.03 JT
C244	LW2-C244-C	25.1 NJ	6.54 NJ	16.2 J	47.8 JT	5.73 J	0.277 U	0.366 UJ	53.6 JT	30.8 JT	6.54 JT	16.2 JT
C245	LW2-C245-B	0.734 NJ	0.311 U	R	0.734 JT	0.221 U	0.235 U	0.311 UJ	0.734 JT	0.734 JT	0.311 UT	0.311 UJT
C245	LW2-C245-C	88.4 J	14.7 NJ	47.2 J	150 JT	24.2 J	0.198 U	1.8 NJ	176 JT	113 JT	14.7 JT	49 JT
C245	LW2-C245-D	0.749 NJ	0.3 U	R	0.749 JT	0.214 U	0.227 U	0.3 UJ	0.749 JT	0.749 JT	0.3 UT	0.3 UJT
C245	LW2-C245-E	0.0562 U	0.1 NJ	R	0.1 JT	0.079 J	0.211 J	0.0527 UJ	0.39 JT	0.079 JT	0.311 JT	0.0527 UJT
C247	LW2-C247-B	0.872 NJ	0.0497 UJ	0.431 J	1.3 JT	0.612 NJ	0.0376 U	0.0497 U	1.92 JT	1.48 JT	0.0497 UJT	0.431 JT
C247	LW2-C247-C	0.169 NJ	0.0495 UJ	R	0.169 JT	0.0353 UJ	0.0375 U	0.0495 U	0.169 JT	0.169 JT	0.0495 UJT	0.0495 UT
C247	LW2-C247-D	0.0541 UJ	0.0507 UJ	0.0625 UJ	0.0625 UJT	0.0361 UJ	0.0383 U	0.0507 U	0.0625 UJT	0.0541 UJT	0.0507 UJT	0.0625 UJT
C252	LW2-C252-B	19.1 NJ	1.7 NJ	5.54 NJ	26.3 JT	3.69 J	0.178 UJ	0.236 UJ	30 JT	22.8 JT	1.7 JT	5.54 JT
C252	LW2-C252-C	60.6 J	6.57 J	6.44 NJ	73.6 JT	11.9 J	0.455 U	22.3 NJ	108 JT	72.5 JT	6.57 JT	28.7 JT
C252	LW2-C252-D	5.8	3.2 J	1.5 U	9 JT	3.9 NJ	0.47 U	1.6 U	12.9 JT	9.7 JT	3.2 JT	1.6 UT
C254	LW2-C254-B	14	3.95	2.42 J	20.4 JT	4.49 NJ	0.3 U	0.396 UJ	24.9 JT	18.5 JT	3.95 T	2.42 JT
C254	LW2-C254-C	0.0415 U	0.0389 U	0.087 J	0.087 JT	0.0277 U	0.0294 U	0.0389 UJ	0.087 JT	0.0415 UT	0.0389 UT	0.087 JT
C255	LW2-C255-B	0.0481 U	0.0451 U	0.0556 UJ	0.0556 UJT	0.0321 U	0.295 J	0.0451 UJ	0.295 JT	0.0481 UT	0.295 JT	0.0556 UJT
C255	LW2-C255-C	0.253 NJ	0.0424 U	0.113 J	0.366 JT	0.165 NJ	0.473 NJ	0.0424 UJ	1 JT	0.418 JT	0.473 JT	0.113 JT
C257	LW2-C257-B	157 NJ	9.24 NJ	246 J	412 JT	5.09 NJ	0.171 U	13.2 J	431 JT	162 JT	9.24 JT	259 JT
C258	LW2-C258-B	3.66 J	0.247 U	3.44 NJ	7.1 JT	0.176 U	0.186 U	2.52 NJ	9.62 JT	3.66 JT	0.247 UT	5.96 JT
C258	LW2-C258-C	7.6 NJ	0.238 UJ	7.1 NJ	14.7 JT	0.17 UJ	0.18 UJ	4.18 NJ	18.9 JT	7.6 JT	0.238 UJT	11.3 JT
C260	LW2-C260-B	19 J	1.05 J	30 J	50.1 JT	13.9 NJ	0.173 UJ	9.76 J	73.7 JT	32.9 JT	1.05 JT	39.8 JT
C260	LW2-C260-C	35.9 J	13.8 NJ	5.43 J	55.1 JT	10.5 J	0.221 UJ	0.292 UJ	65.6 JT	46.4 JT	13.8 JT	5.43 JT
C260	LW2-C260-D	0.47 J	0.096 J	0.9	1.466 JT	0.5	0.072 U	0.2	2.17 JT	0.97 JT	0.096 JT	1.1 T
C263	LW2-C263-B	345 J	16.6 NJ	21.4 J	383 JT	50.7 NJ	32.8 NJ	15.2	482 JT	396 JT	49.4 JT	36.6 JT
C263	LW2-C263-D	177 J	10.4 NJ	24.9 J	212 JT	74.4 NJ	0.509 U	1.47 J	288 JT	251 JT	10.4 JT	26.4 JT
C264	LW2-C264-B	71.2 J	15.7 NJ	12.8 J	99.7 JT	34.5 J	34.8 NJ	11 NJ	180 JT	106 JT	50.5 JT	23.8 JT
C264	LW2-C264-C	22.1 NJ	4.36 NJ	1.67 NJ	28.1 JT	4.78 J	0.208 U	0.275 UJ	32.9 JT	26.9 JT	4.36 JT	1.67 JT
C264	LW2-C264-D	0.14 U	0.058 U	0.19 U	0.19 UT	0.2 U	0.097 U	0.061 U	0.2 UT	0.2 UT	0.097 UT	0.19 UT
C266	LW2-C266-B	0.0446 UJ	0.0418 UJ	0.0516 UJ	0.0516 UJT	0.0298 UJ	0.124 NJ	0.0418 UJ	0.124 JT	0.0446 UJT	0.124 JT	0.0516 UJT
C266	LW2-C266-C	89.7 J	6.7 J	92.1 J	189 JT	31.9 NJ	0.217 UJ	34.9 J	255 JT	122 JT	6.7 JT	127 JT
C267	LW2-C267-B	40.6 NJ	5.16 J	15.4 J	61.2 JT	5.46 NJ	0.242 UJ	1.84 J	68.5 JT	46.1 JT	5.16 JT	17.2 JT
C267	LW2-C267-C	2.79	0.218 J	1.58 J	4.59 JT	0.277 NJ	0.0319 U	0.389 NJ	5.25 JT	3.07 JT	0.218 JT	1.97 JT
C268	LW2-C268-B	0.297 NJ	0.0464 U	0.495 J	0.792 JT	0.206 NJ	0.0351 U	0.491 J	1.49 JT	0.503 JT	0.0464 UT	0.986 JT
C268	LW2-C268-C	0.0424 U	0.0397 U	0.049 UJ	0.049 UJT	0.0283 U	0.0301 U	0.0397 UJ	0.049 UJT	0.0424 UT	0.0397 UT	0.049 UJT
C269	LW2-C269-B	283 J	34.5 NJ	223 J	541 JT	74.1 J	0.262 U	9.03 J	624 JT	357 JT	34.5 JT	232 JT
C269	LW2-C269-C	162 J	25.3 NJ	25.2 J	213 JT	42.9 J	4.58 NJ	1.05 NJ	261 JT	205 JT	29.9 JT	26.3 JT
C269	LW2-C269-D	120 J	5 U	28 J	148 JT	99	8.9 U	11 U	247 JT	219 JT	8.9 UT	28 JT
C269	LW2-C269-F	3.38 NJ	1.6 NJ	7.15 NJ	12.1 JT	1.72 NJ	2.77 J	2.49 NJ	19.1 JT	5.1 JT	4.37 JT	9.64 JT
C270	LW2-C270-B	163 J	27.6	19.9 NJ	211 JT	65.5 NJ	1.27 U	8.85 NJ	285 JT	229 JT	27.6 T	28.8 JT
C270	LW2-C270-C	155 J	19.8	164	339 JT	56.3 NJ	18.8 NJ	1.53 U	414 JT	211 JT	38.6 JT	164 T
C270	LW2-C270-D	1.4 J	0.17 J	0.2 U	1.57 JT	1.1 U	0.52 U	0.36 U	1.57 JT	1.4 JT	0.17 JT	0.36 UT
C272	LW2-C272-B	0.129 J	0.0448 U	0.0552 U	0.129 JT	0.0319 U	0.041 J	0.0448 U	0.17 JT	0.129 JT	0.041 JT	0.0552 UT
C272	LW2-C272-C	0.0445 U	0.0417 U	0.094	0.094 T	0.0297 U	0.051 J	0.0417 U	0.145 JT	0.0445 UT	0.051 JT	0.094 T
C273	LW2-C273-B	23.3	2.02	30.2 NJ	55.5 JT	0.504 U	0.535 U	22.4 NJ	77.9 JT	23.3 T	2.02 T	52.6 JT
C273	LW2-C273-C	0.63 U	2.02 NJ	25.8 NJ	27.8 JT	0.421 U	7.72 NJ	19.4 NJ	54.9 JT	0.63 UT	9.74 JT	45.2 JT
C273	LW2-C273-D	1.3 NJ	0.81 U	0.57 U	1.3 JT	0.81 U	1.7 U	1.1 U	1.3 JT	1.3 JT	1.7 UT	1.1 UT
C276	LW2-C276-B	78.8 J	12.2 NJ	8.73 J	99.7 JT	13 J	9.53 NJ	5.65 NJ	128 JT	91.8 JT	21.7 JT	14.4 JT
C276	LW2-C276-C	99.1 NJ	14.9 NJ	76.6 J	191 JT	38.5 J	0.987 U	58.8 NJ	288 JT	138 JT	14.9 JT	135 JT
C276	LW2-C276-D	1.1 J	0.3 U	0.97 U	1.1 JT	0.92 U	0.39 U	0.31 U	1.1 JT	1.1 JT	0.39 UT	0.97 UT

BZTO104(e)028793

Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C277	LW2-C277-B	0.0768 U	4.05 NJ	0.628 J	4.68 JT	1.1 NJ	0.0545 U	0.41 NJ	6.19 JT	1.1 JT	4.05 JT	1.04 JT
C277	LW2-C277-C	4 NJ	10.5 NJ	0.991 J	15.5 JT	1.48 NJ	2.45 NJ	0.526 J	19.9 JT	5.48 JT	13 JT	1.52 JT
C277	LW2-C277-D	89.7 NJ	17.6 NJ	32.5 J	140 JT	16.3 NJ	4.44	0.315 UJ	161 JT	106 JT	22 JT	32.5 JT
C278	LW2-C278-B	51.4 J	11.8 J	9.56 J	72.8 JT	10.2 J	10.1 NJ	7.51 J	101 JT	61.6 JT	21.9 JT	17.1 JT
C278	LW2-C278-C	130 J	9.54 J	7.04 J	147 JT	19 NJ	8.4 NJ	0.6 UJ	174 JT	149 JT	17.9 JT	7.04 JT
C278	LW2-C278-D	0.128 J	0.0488 U	0.0601 UJ	0.128 JT	0.0347 U	0.0369 U	0.273 NJ	0.401 JT	0.128 JT	0.0488 UT	0.273 JT
C280	LW2-C280-B	0.345 U	0.324 U	0.399 U	0.399 UT	0.23 U	0.245 U	0.324 U	0.399 UT	0.345 UT	0.324 UT	0.399 UT
C280	LW2-C280-C	0.297 U	0.278 U	0.343 U	0.343 UT	0.198 U	0.21 U	0.278 U	0.343 UT	0.297 UT	0.278 UT	0.343 UT
C280	LW2-C280-D	0.261 U	0.245 U	0.302 U	0.302 UT	0.174 U	0.185 U	0.245 U	0.302 UT	0.261 UT	0.245 UT	0.302 UT
C282	LW2-C282-B	0.0468 UJ	0.0439 UJ	0.0541 UJ	0.0541 UJT	0.0312 UJ	0.0332 U	0.085 J	0.085 JT	0.0468 UJT	0.0439 UJT	0.085 JT
C282	LW2-C282-C	0.0437 UJ	0.041 UJ	0.0505 UJ	0.0505 UJT	0.0292 UJ	0.031 U	0.041 U	0.0505 UJT	0.0437 UJT	0.041 UJT	0.0505 UJT
C282	LW2-C282-D	0.0468 UJ	0.0438 UJ	0.054 UJ	0.054 UJT	0.0312 UJ	0.0332 U	0.0438 U	0.054 UJT	0.0468 UJT	0.0438 UJT	0.054 UJT
C283	LW2-C283-B	504 NJ	54.9 NJ	72.2 J	631 JT	83.6 J	35.4 J	10.2 J	760 JT	588 JT	90.3 JT	82.4 JT
C283	LW2-C283-C	98.2 NJ	3.9 NJ	15.6 J	118 JT	46.3 J	0.852 U	8.75 J	173 JT	145 JT	3.9 JT	24.4 JT
C283	LW2-C283-E	0.0521 U	0.0488 U	0.0602 UJ	0.0602 UJT	0.0348 U	0.0369 U	0.0488 UJ	0.0602 UJT	0.0521 UT	0.0488 UT	0.0602 UJT
C284	LW2-C284-B	35.1 NJ	8.97 NJ	10.7 J	54.8 JT	7.83 J	12.6 NJ	7.78 NJ	83 JT	42.9 JT	21.6 JT	18.5 JT
C284	LW2-C284-C	156 NJ	22.1 NJ	90.7 NJ	269 JT	37.2 NJ	1.09 U	93.8 NJ	400 JT	193 JT	22.1 JT	185 JT
C284	LW2-C284-D	2.15 NJ	0.245 U	1.27 J	3.42 JT	0.175 U	0.185 U	1.21 NJ	4.63 JT	2.15 JT	0.245 UT	2.48 JT
C288	LW2-C288-B	44.8 J	13.6	8.88 NJ	67.3 JT	10	17.4 NJ	17.9 NJ	113 JT	54.8 JT	31 JT	26.8 JT
C288	LW2-C288-C	17.6 J	1.92 NJ	17.3 J	36.8 JT	0.452 U	0.48 U	13.1 NJ	49.9 JT	17.6 JT	1.92 JT	30.4 JT
C288	LW2-C288-D	1.52 NJ	0.296 U	0.365 UJ	1.52 JT	0.211 U	0.224 U	0.296 UJ	1.52 JT	1.52 JT	0.296 UT	0.365 UJT
C290	LW2-C290-B	12	3.6 NJ	68	83.6 JT	6.4	0.45 U	3	93 JT	18.4 T	3.6 JT	71 T
C290	LW2-C290-D	0.12 U	0.059 U	0.2 U	0.2 UT	0.11 U	0.077 U	0.062 U	0.2 UT	0.12 UT	0.077 UT	0.2 UT
C291	LW2-C291-B	1.3	2.2	8.2	11.7 T	1.1 NJ	0.2 U	0.71	13.5 JT	2.4 JT	2.2 T	8.91 T
C291	LW2-C291-C	1.1 NJ	3.9	4.9	9.9 JT	2 U	1.3 U	4.1	14 JT	1.1 JT	3.9 T	9 T
C293-1	LW2-C293-B	4.28 J	8.08 J	0.795 J	13.2 JT	2.05 NJ	0.292 UJ	1.2 J	16.4 JT	6.33 JT	8.08 JT	2 JT
C293-2	LW2-C293-B2	31.1 NJ	14.9 NJ	8.22 J	54.2 JT	9.13 NJ	6.06 J	3.24 J	72.7 JT	40.2 JT	21 JT	11.5 JT
C293-1	LW2-C293-C	104 NJ	17.8	20.6 J	142 JT	56.5 J	5.62	4.33 J	209 JT	161 JT	23.4 T	24.9 JT
C293-2	LW2-C293-C2	1.77 NJ	0.326 U	8.09 J	9.86 JT	1.17	0.246 U	0.326 UJ	11 JT	2.94 JT	0.326 UT	8.09 JT
C293-1	LW2-C293-D	0.212 J	0.0625 UJ	0.681 NJ	0.893 JT	0.248 J	0.0473 UJ	0.171 NJ	1.31 JT	0.46 JT	0.0625 UJT	0.852 JT
C294	LW2-C294-B	408 J	7.41 J	20 J	435 JT	83.1 NJ	33.1 NJ	3.85 NJ	555 JT	491 JT	40.5 JT	23.9 JT
C294	LW2-C294-C	10.6 J	0.619 U	14.9 NJ	25.5 JT	0.441 U	5.29 NJ	6.71 NJ	37.5 JT	10.6 JT	5.29 JT	21.6 JT
C294	LW2-C294-D	3.38 NJ	0.551 U	0.679 UJ	3.38 JT	0.392 U	0.416 U	0.551 UJ	3.38 JT	3.38 JT	0.551 UT	0.679 UJT
C295	LW2-C295-B	6.04	6.84	1.07 J	14 JT	1.82 NJ	0.556 J	0.288 NJ	16.6 JT	7.86 JT	7.4 JT	1.36 JT
C295	LW2-C295-C	1150	44.1	157 J	1350 JT	548 NJ	10.3 J	11.5	1920 JT	1700 JT	54.4 JT	169 JT
C296	LW2-C296-B	8.5 J	6.3 NJ	8.7 J	23.5 JT	5.7 J	1.5 J	1.8 UJ	30.7 JT	14.2 JT	7.8 JT	8.7 JT
C296	LW2-C296-C	0.14 UJ	0.068 UJ	0.23 UJ	0.23 UJT	0.086 UJ	0.2 UJ	0.072 UJ	0.23 UJT	0.14 UJT	0.2 UJT	0.23 UJT
C299	LW2-C299-C	24 J	9 U	42 NJ	66 JT	62 U	24 U	39 U	66 JT	24 JT	24 UT	42 JT
C300-2	LW2-C300-B	5.6	6.8	5.7 J	18.1 JT	5.8 U	1.3 U	4.5	22.6 JT	5.6 T	6.8 T	10.2 JT
C300-2	LW2-C300-D	4.1 J	0.72 J	2.5 U	4.82 JT	5.8 U	2.1 U	3.5	8.32 JT	4.1 JT	0.72 JT	3.5 T
C301	LW2-C301-B	341 NJ	59.5 NJ	68.3 J	469 JT	107 J	69.7 J	58.6 J	704 JT	448 JT	129 JT	127 JT
C301	LW2-C301-C	972 NJ	101 NJ	830 J	1900 JT	134 J	15.3 U	280 J	2320 JT	1110 JT	101 JT	1110 JT
C301	LW2-C301-D	183 NJ	6.45 NJ	103 NJ	292 JT	15.1 NJ	67.6 NJ	0.467 UJ	375 JT	198 JT	74.1 JT	103 JT
C301	LW2-C301-E	571 NJ	16.8 U	446 J	1020 JT	12 U	12.7 U	203 J	1220 JT	571 JT	16.8 UT	649 JT
C301	LW2-C301-G	43.3 NJ	1.09 U	61.5 J	105 JT	0.779 U	16.4 J	1.09 UJ	121 JT	43.3 JT	16.4 JT	61.5 JT
C302	LW2-C302-B	369	58.8	41.7 J	470 JT	108 J	43.4 NJ	1.5 U	621 JT	477 JT	102 JT	41.7 JT
C302	LW2-C302-C	717 J	48.5 J	286 NJ	1050 JT	62.7 J	7.78 U	233 NJ	1350 JT	780 JT	48.5 JT	519 JT
C302	LW2-C302-D	260 J	8.5 U	28 U	260 JT	200 U	89 U	250 U	260 JT	260 JT	89 UT	250 UT
C303	LW2-C303-B	17 J	4.7 NJ	110 J	132 JT	12	0.9 U	4.6 U	144 JT	29 JT	4.7 JT	110 JT
C303	LW2-C303-C	0.2 UJ	0.2 UJ	0.18 UJ	0.2 UJT	1.1 UJ	0.072 UJ	0.19 UJ	1.1 UJT	1.1 UJT	0.2 UJT	0.19 UJT
C305-1	LW2-C305-B1	206 J	13.8	35.4 J	255 JT	32.8 J	14.1 NJ	13 NJ	315 JT	239 JT	27.9 JT	48.4 JT
C305-2	LW2-C305-B2	116 J	17.9 J	4.16 NJ	138 JT	30.2	27.2 NJ	12.4 NJ	208 JT	146 JT	45.1 JT	16.6 JT
C305-1	LW2-C305-C1	68.4 J	12.1 J	1060 J	1140 JT	15.4 J	1.53 J	815 J	1970 JT	83.8 JT	13.6 JT	1880 JT
C305-2	LW2-C305-C2	164 J	23.4	38.5 J	226 JT	37 J	21.5 NJ	16.8 NJ	301 JT	201 JT	44.9 JT	55.3 JT
C305-1	LW2-C305-D1	2.8 J	0.445 J	6.81 J	10.1 JT	0.98 J	0.0357 U	0.764 J	11.8 JT	3.78 JT	0.445 JT	7.57 JT
C305-2	LW2-C305-D2	2.48	0.13	0.317 J	2.93 JT	1.01 J	0.0343 U	0.587 NJ	4.52 JT	3.49 JT	0.13 T	0.904 JT
C311	LW2-C311-B	157 NJ	7.01 J	28.7 J	193 JT	46.4 NJ	3.4 J	2.29 NJ	245 JT	203 JT	10.4 JT	31 JT
C311	LW2-C311-C	3.08 J	3.55 NJ	0.783 UJ	6.63 JT	0.452 U	0.957 NJ	1.42 NJ	9.01 JT	3.08 JT	4.51 JT	1.42 JT
C311	LW2-C311-E	0.587 U	0.551 U	0.679 UJ	0.679 UJT	0.392 U	0.417 U	0.551 UJ	0.679 UJT	0.587 UT	0.551 UT	0.679 UJT
C312	LW2-C312-B	12	1.8 J	270 J	284 JT	7.1	0.18 U	13	304 JT	19.1 T	1.8 JT	283 JT

BZTO104(e)028794

Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C312	LW2-C312-C	0.52	0.054 NJ	0.49 NJ	1.06 JT	0.4 U	0.07 U	0.057 U	1.06 JT	0.52 T	0.054 JT	0.49 JT
C313	LW2-C313-B	0.514 J	0.219 J	0.06 UJ	0.733 JT	0.303 NJ	0.0368 UJ	0.0487 UJ	1.04 JT	0.817 JT	0.219 JT	0.06 UJT
C313	LW2-C313-C	0.0561 UJ	0.0526 UJ	0.0649 UJ	0.0649 UJT	0.0375 UJ	0.0398 U	0.0526 UJ	0.0649 UJT	0.0561 UJT	0.0526 UJT	0.0649 UJT
C314	LW2-C314-B	60.3 J	12 J	13.3 J	85.6 JT	9.5 J	0.282 U	1.41 NJ	96.5 JT	69.8 JT	12 JT	14.7 JT
C314	LW2-C314-C	2180 J	50 J	403 J	2630 JT	534 J	15 J	16.7 J	3200 JT	2710 JT	65 JT	420 JT
C314	LW2-C314-D	170 J	2.5 UJ	71 J	241 JT	120	0.8 U	0.53 NJ	362 JT	290 JT	2.5 UJT	71.5 JT
C316	LW2-C316-B	74.4 J	7.52 NJ	31.6 J	114 JT	11.2 NJ	0.229 UJ	4.78 NJ	130 JT	85.6 JT	7.52 JT	36.4 JT
C316	LW2-C316-C	710 J	53.5 J	71.2 J	835 JT	58.2 NJ	16 J	4.84 J	914 JT	768 JT	69.5 JT	76 JT
C316	LW2-C316-D	4750 J	130 J	376 J	5260 JT	1340 NJ	58.2 J	0.605 U	6650 JT	6090 JT	188 JT	376 JT
C321	LW2-C321-B1	3.3 J	2.2 UJ	1.2 J	4.5 JT	4.1 U	1 U	1 U	4.5 JT	3.3 JT	2.2 UJT	1.2 JT
C321-2	LW2-C321-B2	3.9 J	3 J	2 J	8.9 JT	2.6 J	1.5	0.32 U	13 JT	6.5 JT	4.5 JT	2 JT
C321	LW2-C321-C1	0.35 J	0.064 UJ	0.2 UJ	0.35 JT	0.29 U	0.078 U	0.062 U	0.35 JT	0.35 JT	0.078 UT	0.2 UJT
C321-2	LW2-C321-C2	1.2 J	0.45 NJ	0.2 UJ	1.65 JT	0.2 U	0.077 U	0.2 U	1.65 JT	1.2 JT	0.45 JT	0.2 UJT
C321-2	LW2-C321-E2	0.11 UJ	0.055 UJ	0.18 UJ	0.18 UJT	0.069 U	0.072 U	0.058 U	0.18 UJT	0.11 UJT	0.072 UT	0.18 UJT
C323	LW2-C323-B	27 J	4.48 J	2.97 J	34.5 JT	5.78 NJ	0.476 NJ	1.41 J	42.1 JT	32.8 JT	4.96 JT	4.38 JT
C323	LW2-C323-C	3.85 J	1.91 J	0.243 J	6 JT	0.756 NJ	0.305 NJ	0.0491 UJ	7.06 JT	4.61 JT	2.22 JT	0.243 JT
C323	LW2-C323-D	11.3 J	1.46	0.626 J	13.4 JT	1.95 NJ	0.0367 U	0.776 NJ	16.1 JT	13.3 JT	1.46 T	1.4 JT
C324	LW2-C324-B	3.73 J	2.44 J	1.28 NJ	7.45 JT	0.645 NJ	0.205 J	0.3 NJ	8.6 JT	4.38 JT	2.65 JT	1.58 JT
C324	LW2-C324-D	8.23 J	1.46 J	0.961 J	10.7 JT	1.13 NJ	0.0393 U	0.285 J	12.1 JT	9.36 JT	1.46 JT	1.25 JT
C324	LW2-C324-E	26.4 J	7.51 J	2.53 J	36.4 JT	4.5 NJ	0.513 J	0.282 UJ	41.5 JT	30.9 JT	8.02 JT	2.53 JT
C326	LW2-C326-B	7.52 J	4.48 J	1.68 J	13.7 JT	1.99 NJ	0.403 NJ	0.347 J	16.4 JT	9.51 JT	4.88 JT	2.03 JT
C326	LW2-C326-C	9.05 J	0.517 J	0.0563 UJ	9.57 JT	5.15 J	0.0345 UJ	0.205 NJ	14.9 JT	14.2 JT	0.517 JT	0.205 JT
C327	LW2-C327-B	4.71	1.45	0.563 J	6.72 JT	1.02 NJ	0.0355 U	0.322 NJ	8.07 JT	5.73 JT	1.45 T	0.885 JT
C327	LW2-C327-C	5.87	2.36	1.01 J	9.24 JT	1.35 NJ	0.188 U	0.248 U	10.6 JT	7.22 JT	2.36 T	1.01 JT
C327	LW2-C327-D	66	4.4 NJ	14	84.4 JT	38	0.56 U	0.2 U	122 JT	104 T	4.4 JT	14 T
C329	LW2-C329-B	19.6 J	0.786 J	0.95 J	21.3 JT	2.44 NJ	0.358 NJ	0.0481 UJ	24.1 JT	22 JT	1.14 JT	0.95 JT
C329	LW2-C329-C	26.5 J	2.66 NJ	4.58 NJ	33.7 JT	2.72 NJ	4.98 NJ	8.32 NJ	49.8 JT	29.2 JT	7.64 JT	12.9 JT
C329	LW2-C329-D	8.71 J	0.245 U	7.82 NJ	16.5 JT	1.73 J	0.185 U	10.7 NJ	29 JT	10.4 JT	0.245 UT	18.5 JT
C331	LW2-C331-B	8.8 NJ	0.914 J	0.769 J	10.5 JT	1.51 NJ	0.237 NJ	1.05 NJ	13.3 JT	10.3 JT	1.15 JT	1.82 JT
C331	LW2-C331-C	16.9 NJ	1.49 J	12.2 J	30.6 JT	9.32 NJ	0.178 U	0.235 UJ	39.9 JT	26.2 JT	1.49 JT	12.2 JT
C331	LW2-C331-D	0.176 J	0.0499 U	0.14 J	0.316 JT	0.0355 U	0.0377 U	0.0499 UJ	0.316 JT	0.176 JT	0.0499 UT	0.14 JT
C331	LW2-C331-E	0.093 J	0.0499 U	0.086 J	0.179 JT	0.0355 U	0.0377 U	0.0499 UJ	0.179 JT	0.093 JT	0.0499 UT	0.086 JT
C332	LW2-C332-B	862 J	60.3 J	934 J	1860 JT	447 J	20.9 J	45 J	2370 JT	1310 JT	81.2 JT	979 JT
C332	LW2-C332-C	0.881	0.0474 U	0.289	1.17 T	0.397 NJ	0.0358 U	0.181	1.75 JT	1.28 JT	0.0474 UT	0.47 T
C333	LW2-C333-B	40 J	6.03 J	1.53 J	47.6 JT	14 J	0.584 J	0.805 J	62.9 JT	54 JT	6.61 JT	2.34 JT
C333	LW2-C333-C	0.0475 U	0.0445 U	0.0548 U	0.0548 UT	0.0317 U	0.0336 U	0.0445 U	0.0548 UT	0.0475 UT	0.0445 UT	0.0548 UT
C333	LW2-C333-E	0.0552 U	0.0517 U	0.0638 U	0.0638 UT	0.0368 U	0.0391 U	0.0517 U	0.0638 UT	0.0552 UT	0.0517 UT	0.0638 UT
C334	LW2-C334-B	291 J	62.4 J	256 J	609 JT	108 J	7.73 J	0.324 U	725 JT	399 JT	70.1 JT	256 JT
C334	LW2-C334-C	3.69	0.366 NJ	1.61 NJ	5.67 JT	0.582 NJ	0.0365 U	0.0482 U	6.25 JT	4.27 JT	0.366 JT	1.61 JT
C335	LW2-C335-B	273 J	48.4 NJ	984 J	1310 JT	38.7 NJ	0.185 UJ	32.8 J	1380 JT	312 JT	48.4 JT	1020 JT
C335	LW2-C335-C	0.0431 UJ	0.0404 UJ	0.0498 UJ	0.0498 UJT	0.0288 UJ	0.0305 UJ	0.0404 UJ	0.0498 UJT	0.0431 UJT	0.0404 UJT	0.0498 UJT
C341	LW2-C341-B	20.8 NJ	6.79 NJ	30.4 J	58 JT	7.3 NJ	0.272 U	1.28 J	66.6 JT	28.1 JT	6.79 JT	31.7 JT
C342	LW2-C342-B	4.47 J	4.12 J	1 J	9.59 JT	1.43 NJ	0.759 J	0.513 J	12.3 JT	5.9 JT	4.88 JT	1.51 JT
C342	LW2-C342-C	18.8 J	7.11 J	1.51 J	27.4 JT	3.51 NJ	0.744 J	0.306 U	31.7 JT	22.3 JT	7.85 JT	1.51 JT
C342	LW2-C342-D	0.531 J	0.25 U	0.688 J	1.22 JT	0.694 NJ	0.189 U	0.25 U	1.91 JT	1.23 JT	0.25 UT	0.688 JT
C346	LW2-C346-B	12.7	4.44	22.4	39.5 T	4.8 NJ	1.36 J	1.94	47.6 JT	17.5 JT	5.8 JT	24.3 T
C346	LW2-C346-C	0.301 U	0.282 U	0.348 U	0.348 UT	0.201 U	0.213 U	0.282 U	0.348 UT	0.301 UT	0.282 UT	0.348 UT
C347	LW2-C347-B	3.9 J	2.95 J	0.991 J	7.84 JT	0.701 NJ	0.061 U	1.68 NJ	10.2 JT	4.6 JT	2.95 JT	2.67 JT
C347	LW2-C347-C	0.0715 U	0.067 U	0.0826 UJ	0.0826 UJT	0.0477 U	0.0507 U	0.067 UJ	0.0826 UJT	0.0715 UT	0.067 UT	0.0826 UJT
C347	LW2-C347-E	0.15 J	0.13 J	0.2 U	0.28 JT	0.32 NJ	0.078 U	0.063 U	0.6 JT	0.47 JT	0.13 JT	0.2 UT
C347	LW2-C347-F	23.5 J	6.94 J	465 J	495 JT	4.95 NJ	0.842 J	0.445 NJ	502 JT	28.5 JT	7.78 JT	465 JT
C348	LW2-C348-B	227 NJ	51.7 NJ	267 J	546 JT	50.1 J	26.9 NJ	75.2 NJ	698 JT	277 JT	78.6 JT	342 JT
C348	LW2-C348-C	51800 NJ	992 J	19900 J	72700 JT	19300 NJ	310 J	3080 J	95400 JT	71100 JT	1300 JT	23000 JT
C348	LW2-C348-D	12.3 J	0.551 J	3.84 J	16.7 JT	6.53 NJ	0.176 U	0.846 NJ	24.1 JT	18.8 JT	0.551 JT	4.69 JT
C349	LW2-C349-B	19.1 J	4.75 NJ	1.14 J	25 JT	7.82 NJ	0.649 J	0.348 J	33.8 JT	26.9 JT	5.4 JT	1.49 JT
C349	LW2-C349-C	11.6 J	7.38 NJ	2.61 J	21.6 JT	5.4 NJ	0.052 UJ	0.336 NJ	27.3 JT	17 JT	7.38 JT	2.95 JT
C349	LW2-C349-D	0.11 U	0.2 U	0.17 U	0.2 UT	0.3 U	0.17 U	0.17 U	0.3 UT	0.3 UT	0.2 UT	0.17 UT
C351	LW2-C351-B	4280 NJ	84.1 J	2780 J	7140 JT	780 NJ	55.7 J	438 NJ	8420 JT	5060 JT	140 JT	3220 JT
C351	LW2-C351-C	1.54 J	0.069 J	1.08 J	2.69 JT	0.445 J	0.0348 U	0.218 J	3.35 JT	1.99 JT	0.069 JT	1.3 JT
C351	LW2-C351-D	0.243 NJ	0.0462 U	0.263 J	0.506 JT	0.0329 U	0.035 U	0.149 NJ	0.655 JT	0.243 JT	0.0462 UT	0.412 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C351	LW2-C351-E	0.116 NJ	0.0454 U	0.125 J	0.241 JT	0.0324 U	0.0344 U	0.0454 UJ	0.241 JT	0.116 JT	0.0454 UT	0.125 JT
C352	LW2-C352-B	2.43	4.19 J	0.517 J	7.14 JT	1.9 NJ	0.05 U	0.342 J	9.38 JT	4.33 JT	4.19 JT	0.859 JT
C352	LW2-C352-C	3.19	4.21	0.665	8.07 T	0.882 NJ	0.0474 U	0.0626 U	8.95 JT	4.07 JT	4.21 T	0.665 T
C352	LW2-C352-D	1.16	0.337	0.274	1.77 T	0.616 NJ	0.0322 U	0.464 NJ	2.85 JT	1.78 JT	0.337 T	0.738 JT
C356	LW2-C356-B	320 NJ	24.3 NJ	341 J	685 JT	126 NJ	8.7 J	39.4 J	859 JT	446 JT	33 JT	380 JT
C356	LW2-C356-C	28200 NJ	763 NJ	22000 J	51000 JT	15800 NJ	632 NJ	4290 NJ	71700 JT	44000 JT	1400 JT	26300 JT
C356	LW2-C356-E	181 NJ	6.1	21.8 J	209 JT	101 NJ	2.8 J	21.7 J	334 JT	282 JT	8.9 JT	43.5 JT
C357	LW2-C357-B	2.99 NJ	3.28 NJ	0.507 J	6.78 JT	3.21 NJ	0.0487 UJ	0.0644 UJ	9.99 JT	6.2 JT	3.28 JT	0.507 JT
C357	LW2-C357-C	6.32 NJ	2.04 NJ	0.998 J	9.36 JT	3.41 NJ	0.0382 UJ	0.245 J	13 JT	9.73 JT	2.04 JT	1.24 JT
C358	LW2-C358-B	28	9.6	29	66.6 T	10	1.8 NJ	1.7	80.1 JT	38 T	11.4 JT	30.7 T
C358	LW2-C358-C	7.9	7.6	55	70.5 T	5.2	1.9 U	2.2	77.9 T	13.1 T	7.6 T	57.2 T
C358	LW2-C358-D	13	6 J	96	115 JT	9.2	2.2 U	2.6	127 JT	22.2 T	6 JT	98.6 T
C359	LW2-C359-B	141	42.3	445 J	628 JT	25 NJ	4.82 J	16.4	675 JT	166 JT	47.1 JT	461 JT
C359	LW2-C359-C	269 J	31	639 J	939 JT	27.1 J	5.62 J	63.2 J	1030 JT	296 JT	36.6 JT	702 JT
C359	LW2-C359-D	5120 J	204 J	11400 J	16700 JT	2270 J	39.1	683	19700 JT	7390 JT	243 JT	12100 JT
C360	LW2-C360-B1	0.18 UJ	0.09 UJ	380 J	380 JT	0.12 U	12 NJ	5.7 U	392 JT	0.18 UJT	12 JT	380 JT
C360-2	LW2-C360-B2	325 JT	130 JT	1650 JT	2110 JT	130 T	26 JT	195 T	2460 JT	455 JT	156 JT	1850 JT
C360	LW2-C360-C1	99 J	19 J	350 J	468 JT	70 J	2.1 U	16 J	554 JT	169 JT	19 JT	366 JT
C360-2	LW2-C360-C2	140 J	23 J	380 J	543 JT	61	2 U	19	623 JT	201 JT	23 JT	399 JT
C361	LW2-C361-B	4.5 NJ	3.92 NJ	0.593 J	9.01 JT	3.43 NJ	0.151 NJ	0.0624 UJ	12.6 JT	7.93 JT	4.07 JT	0.593 JT
C362	LW2-C362-B	65.2 NJ	15.8 NJ	25.7 J	107 JT	27.1 NJ	1.94 J	2.12 J	138 JT	92.3 JT	17.7 JT	27.8 JT
C362	LW2-C362-C	26.8 NJ	5.38 NJ	28.2 J	60.4 JT	2.87 NJ	1.42 NJ	2.06 J	66.7 JT	29.7 JT	6.8 JT	30.3 JT
C362	LW2-C362-D	32.1 J	9.33 NJ	32.1 J	73.5 JT	12.7 J	2.09 J	3.31 J	91.6 JT	44.8 JT	11.4 JT	35.4 JT
C364	LW2-C364-B	42 J	9.85 J	1.48 NJ	53.3 JT	5.71 NJ	1.63 NJ	0.25 UJ	60.7 JT	47.7 JT	11.5 JT	1.48 JT
C364	LW2-C364-C	0.92 NJ	0.282 U	R	0.92 JT	0.2 U	0.213 U	0.737 J	1.66 JT	0.92 JT	0.282 UT	0.737 JT
C366-1	LW2-C366-B1	464 NJT	82.4 NJT	718 JT	1260 JT	151 NJT	7.89 JT	128 JT	1550 JT	615 JT	90.3 JT	846 JT
C366-2	LW2-C366-B2	863 NJ	169 NJ	274 NJ	1310 JT	350 J	19.5 J	162 J	1840 JT	1210 JT	189 JT	436 JT
C366-1	LW2-C366-C1	566 NJT	65.6 NJT	492 JT	1120 JT	135 JT	16.2 JT	169 JT	1440 JT	701 JT	81.8 JT	661 JT
C366-2	LW2-C366-C2	374 NJ	40.3 NJ	191 J	605 JT	105 J	8.93 J	113 J	832 JT	479 JT	49.2 JT	304 JT
C366-1	LW2-C366-D1	47.7 JT	6.44 NJT	32.6 JT	86.7 JT	17 JT	3.89 JT	11 JT	119 JT	64.7 JT	10.3 JT	43.6 JT
C366-2	LW2-C366-D2	194 NJ	12.7 NJ	121 J	328 JT	32.4 J	0.202 U	30.6 J	391 JT	226 JT	12.7 JT	152 JT
C366-1	LW2-C366-E1	208 NJT	13.2 NJT	75 JT	296 JT	64.8 JT	2.91 JT	39.5 JT	403 JT	273 JT	16.1 JT	115 JT
C366-2	LW2-C366-F2	2.85 NJ	0.627 NJ	3.78 J	7.26 JT	1.19 J	0.162 J	1.18	9.79 JT	4.04 JT	0.789 JT	4.96 JT
C366-1	LW2-C366-G1	0.213 NJT	0.048 UT	R	0.213 JT	0.186 JT	0.195 T	0.189 T	0.783 JT	0.399 JT	0.195 T	0.189 T
C368	LW2-C368-B	101 J	41.3	144	286 JT	31 J	3.99 J	73.8	395 JT	132 JT	45.3 JT	218 T
C368	LW2-C368-C	38.8 J	4.57 J	39.8 J	83.2 JT	12.3 J	0.828 J	2.14 J	98.4 JT	51.1 JT	5.4 JT	41.9 JT
C368	LW2-C368-D	2.49 U	8.47 J	7.1 J	15.6 JT	1.66 U	1.77 U	2.33 U	15.6 JT	2.49 UT	8.47 JT	7.1 JT
C368	LW2-C368-E	0.24 U	1.26	4.33 NJ	5.59 JT	2.28 J	4.85 NJ	0.508	13.2 JT	2.28 JT	6.11 JT	4.84 JT
C371	LW2-C371-B	69.8 NJ	16.2 NJ	48 J	134 JT	19.5 J	0.204 U	3.53 J	157 JT	89.3 JT	16.2 JT	51.5 JT
C371	LW2-C371-C	29.6 NJ	2.4 NJ	R	32 JT	10.9 J	0.174 U	0.231 U	42.9 JT	40.5 JT	2.4 JT	0.231 UT
C371	LW2-C371-E	0.764 NJ	0.0455 U	R	0.764 JT	0.405 J	0.0344 U	0.165	1.33 JT	1.17 JT	0.0455 UT	0.165 T
C372	LW2-C372-B	0.955	2.18	0.354 UJ	3.14 T	0.711 NJ	0.217 U	0.287 UJ	3.85 JT	1.67 JT	2.18 T	0.354 UJT
C372	LW2-C372-C	0.27 U	0.253 U	0.312 UJ	0.312 UJT	0.18 U	0.191 U	0.253 UJ	0.312 UJT	0.27 UT	0.253 UT	0.312 UJT
C377	LW2-C377-B	23.6 NJ	4.23 NJ	22.5 J	50.3 JT	5.5 J	0.563 NJ	5.2 NJ	61.6 JT	29.1 JT	4.79 JT	27.7 JT
C377	LW2-C377-C	52.3 NJ	9.94 NJ	16 J	78.2 JT	16.7 J	0.238 U	3.7	98.6 JT	69 JT	9.94 JT	19.7 JT
C377	LW2-C377-E	165 NJ	14.5 NJ	2.9 J	182 JT	75.8 J	0.427 U	0.564 U	258 JT	241 JT	14.5 JT	2.9 JT
C379	LW2-C379-B	3.11	7.24 J	3.58 J	13.9 JT	2.18 NJ	0.965 NJ	1 J	18.1 JT	5.29 JT	8.21 JT	4.58 JT
C379	LW2-C379-C	5.65 J	5.09 J	17.3 J	28 JT	1.66 NJ	0.507 NJ	0.577 J	30.8 JT	7.31 JT	5.6 JT	17.9 JT
C379	LW2-C379-D	0.0548 U	0.0514 UJ	0.0633 UJ	0.0633 UJT	0.0366 U	0.097 J	0.0514 UJ	0.097 JT	0.0548 UT	0.097 JT	0.0633 UJT
C380	LW2-C380-B	0.0634 U	0.0595 U	0.0733 UJ	0.0733 UJT	0.0423 U	0.045 U	0.0595 U	0.0733 UJT	0.0634 UT	0.0595 UT	0.0733 UJT
C380	LW2-C380-C	0.0599 UJ	0.0562 UJ	0.0692 UJ	0.0692 UJT	0.04 UJ	0.0425 UJ	0.0562 UJ	0.0692 UJT	0.0599 UJT	0.0562 UJT	0.0692 UJT
C381	LW2-C381-B	0.74 J	1.4 J	1.2 J	3.34 JT	1.4 NJ	0.13 U	0.75	5.49 JT	2.14 JT	1.4 JT	1.95 JT
C381	LW2-C381-C	0.14 UJ	0.07 UJ	0.23 UJ	0.23 UJT	0.28 U	0.091 U	0.2 U	0.28 UT	0.28 UT	0.091 UT	0.23 UJT
C381	LW2-C381-E	0.13 UJ	0.063 UJ	0.21 UJ	0.21 UJT	0.079 U	0.082 U	0.066 U	0.21 UJT	0.13 UJT	0.082 UT	0.21 UJT
C382	LW2-C382-B	225 J	22.3 J	3.72 J	251 JT	50.6 NJ	0.71 NJ	2.93 NJ	305 JT	276 JT	23 JT	6.65 JT
C382	LW2-C382-C	9.84 J	1.09	0.0639 UJ	10.9 JT	3.87 J	0.0392 U	0.0518 U	14.8 JT	13.7 JT	1.09 T	0.0639 UJT
C382	LW2-C382-D	0.21 J	0.062 U	0.21 U	0.21 JT	0.099 U	0.081 U	0.23 U	0.21 JT	0.21 JT	0.081 UT	0.23 UT
C383	LW2-C383-B	0.476 J	0.213 NJ	0.651 NJ	1.34 JT	1.05 NJ	0.223 J	0.0431 UJ	2.61 JT	1.53 JT	0.436 JT	0.651 JT
C383	LW2-C383-C	0.0589 U	0.0552 U	0.174 J	0.174 JT	0.0393 U	0.0418 U	0.0552 U	0.174 JT	0.0589 UT	0.0552 UT	0.174 JT
C384	LW2-C384-B	10.4	9.17 NJ	18.8 J	38.4 JT	6.89 NJ	0.504 U	4.97 J	50.2 JT	17.3 JT	9.17 JT	23.8 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C384	LW2-C384-C	1.03	0.287 NJ	0.416 J	1.73 JT	0.636 NJ	0.0332 U	0.114 J	2.48 JT	1.67 JT	0.287 JT	0.53 JT
C386	LW2-C386-B	0.766 NJ	7.33 NJ	0.434 NJ	8.53 JT	1.58 NJ	0.341 J	0.0617 UJ	10.5 JT	2.35 JT	7.67 JT	0.434 JT
C386	LW2-C386-C	0.0438 U	0.041 U	0.0506 UJ	0.0506 UJT	0.0292 U	0.031 U	0.041 UJ	0.0506 UJT	0.0438 UT	0.041 UT	0.0506 UJT
C392	LW2-C392-B	1.69 J	3.15 J	0.875 NJ	5.72 JT	1.07 NJ	2.56 J	0.516 J	9.86 JT	2.76 JT	5.71 JT	1.39 JT
C392	LW2-C392-C	4.36 J	1.66 J	0.687 J	6.71 JT	0.897 NJ	0.263 NJ	0.519 NJ	8.39 JT	5.26 JT	1.92 JT	1.21 JT
C393	LW2-C393-B	1.69 NJ	0.945 NJ	1.42 J	4.06 JT	1.11 NJ	0.637 NJ	0.303 J	6.11 JT	2.8 JT	1.58 JT	1.72 JT
C393	LW2-C393-C	0.0463 U	0.0434 U	0.0535 UJ	0.0535 UJT	0.0309 U	0.0328 U	0.0434 UJ	0.0535 UJT	0.0463 UT	0.0434 UT	0.0535 UJT
C396	LW2-C396-B	1.39 NJ	0.254 J	2.07 NJ	3.71 JT	0.449 J	0.0416 U	1.03 NJ	5.19 JT	1.84 JT	0.254 JT	3.1 JT
C396	LW2-C396-C	0.165 NJ	0.0591 U	0.274 J	0.439 JT	0.0421 U	0.0447 U	0.0591 U	0.439 JT	0.165 JT	0.0591 UT	0.274 JT
C397	LW2-C397-B	3.61	5.8 J	1.1 J	10.5 JT	1.64 NJ	0.435 NJ	0.608 NJ	13.2 JT	5.25 JT	6.24 JT	1.71 JT
C397	LW2-C397-C	3.76 J	4.82 J	2.06 J	10.6 JT	0.939 NJ	0.544 NJ	0.0693 U	12.1 JT	4.7 JT	5.36 JT	2.06 JT
C397	LW2-C397-D	5.31 J	5.26 J	1.18 NJ	11.8 JT	2.15 NJ	0.359 NJ	0.0681 UJ	14.3 JT	7.46 JT	5.62 JT	1.18 JT
C401	LW2-C401-B	8.04 NJ	3.8 NJ	9.66 J	21.5 JT	1.32 NJ	0.202 U	0.266 U	22.8 JT	9.36 JT	3.8 JT	9.66 JT
C401	LW2-C401-C	5.94 NJ	1.58 NJ	R	7.52 JT	1.42 NJ	0.173 U	0.229 U	8.94 JT	7.36 JT	1.58 JT	0.229 UT
C401	LW2-C401-D	6.76	3.06 J	0.769 J	10.6 JT	6.23	0.169 U	1.7 NJ	18.5 JT	13 T	3.06 JT	2.47 JT
C401	LW2-C401-E	12.4 J	12.3	0.845 J	25.5 JT	5.17 NJ	0.905 NJ	0.264 U	31.6 JT	17.6 JT	13.2 JT	0.845 JT
C401	LW2-C401-F	0.12 UJ	0.063 UJ	0.21 UJ	0.21 UJT	0.2 U	0.081 U	0.066 U	0.21 UJT	0.2 UT	0.081 UT	0.21 UJT
C403	LW2-C403-B	0.31 J	0.218	0.0581 UJ	0.528 JT	0.105 NJ	0.0357 U	0.0472 U	0.633 JT	0.415 JT	0.218 T	0.0581 UJT
C403	LW2-C403-C	0.0503 U	0.0472 U	0.0582 UJ	0.0582 UJT	0.0336 U	0.332 NJ	0.0472 U	0.332 JT	0.0503 UT	0.332 JT	0.0582 UJT
C403	LW2-C403-D	0.057 U	0.0535 U	0.0659 UJ	0.0659 UJT	0.0381 U	0.0404 U	0.0535 U	0.0659 UJT	0.057 UT	0.0535 UT	0.0659 UJT
C405	LW2-C405-B	6.27 J	2.18 J	3.29 J	11.7 JT	2.14 NJ	0.801 J	1.43 J	16.1 JT	8.41 JT	2.98 JT	4.72 JT
C405	LW2-C405-C	1.52 J	1.26 NJ	0.858 NJ	3.64 JT	3.73 NJ	0.17 U	0.384 J	7.75 JT	5.25 JT	1.26 JT	1.24 JT
C409	LW2-C409-B	1.82	2.24 J	0.938 J	5 JT	1.83 NJ	0.0434 U	0.48 J	7.31 JT	3.65 JT	2.24 JT	1.42 JT
C409	LW2-C409-C	4.22	1.7	1.42	7.34 T	1.49 NJ	0.0348 U	0.608 J	9.44 JT	5.71 JT	1.7 T	2.03 JT
C409	LW2-C409-D	0.32 J	0.28 NJ	0.59 J	1.19 JT	0.7 NJ	0.07 U	0.42	2.31 JT	1.02 JT	0.28 JT	1.01 JT
C413-1	LW2-C413-B1	11.6 NJ	10.7 NJ	0.809 J	23.1 JT	2.34 NJ	0.237 U	0.313 UJ	25.4 JT	13.9 JT	10.7 JT	0.809 JT
C413-2	LW2-C413-B2	9.36 NJ	7.62 NJ	1.25 J	18.2 JT	3.41 NJ	0.222 U	0.612 J	22.3 JT	12.8 JT	7.62 JT	1.86 JT
C413-1	LW2-C413-C1	18.1 NJ	8.61 NJ	0.916 J	27.6 JT	3.71 NJ	1.28 J	0.299 UJ	32.6 JT	21.8 JT	9.89 JT	0.916 JT
C413-2	LW2-C413-C2	11.1 NJ	11.5 NJ	0.97 NJ	23.6 JT	2.38 NJ	0.23 U	0.304 UJ	26 JT	13.5 JT	11.5 JT	0.97 JT
C413-2	LW2-C413-D2	106 NJ	12.1 NJ	140 J	258 JT	6 NJ	0.221 U	0.899 J	265 JT	112 JT	12.1 JT	141 JT
C415	LW2-C415-B	1.42 J	0.519	0.0565 UJ	1.94 JT	0.316 NJ	0.0346 U	0.0458 U	2.26 JT	1.74 JT	0.519 T	0.0565 UJT
C415	LW2-C415-C	0.0478 U	0.0448 U	0.0552 UJ	0.0552 UJT	0.0319 U	0.0339 U	0.0448 U	0.0552 UJT	0.0478 UT	0.0448 UT	0.0552 UJT
C415	LW2-C415-D	0.05 U	0.0469 U	0.0578 UJ	0.0578 UJT	0.0334 U	0.0354 U	0.0469 U	0.0578 UJT	0.05 UT	0.0469 UT	0.0578 UJT
C417	LW2-C417-B	4.18 NJ	5.29 NJ	1.49 J	11 JT	1.19 NJ	0.0573 U	0.677 NJ	12.8 JT	5.37 JT	5.29 JT	2.17 JT
C417	LW2-C417-D	2.24 J	1.85 NJ	0.816 J	4.91 JT	3.48 NJ	0.0355 U	0.985 NJ	9.37 JT	5.72 JT	1.85 JT	1.8 JT
C420	LW2-C420-B	2.45 NJ	1.99 J	0.358 J	4.8 JT	0.429 NJ	0.0489 U	0.142 J	5.37 JT	2.88 JT	1.99 JT	0.5 JT
C420	LW2-C420-C	2.24 NJ	2.32 NJ	2.51 NJ	7.07 JT	0.841 NJ	0.212 U	1.02 NJ	8.93 JT	3.08 JT	2.32 JT	3.53 JT
C420	LW2-C420-D	3.8 J	2.7 J	5.2	11.7 JT	5.5 NJ	0.9 U	3.2	20.4 JT	9.3 JT	2.7 JT	8.4 T
C421	LW2-C421-B	2.6 J	4.6 U	43	45.6 JT	5 U	0.89 U	41	86.6 JT	2.6 JT	4.6 UT	84 T
C421	LW2-C421-D	0.96	0.13 J	0.26 NJ	1.35 JT	0.62 U	0.08 U	0.15 U	1.35 JT	0.96 T	0.13 JT	0.26 JT
C425-1	LW2-C425-B1	0.933 T	0.756 T	0.262 JT	1.95 JT	0.217 NJT	0.0333 UT	0.12 JT	2.29 JT	1.15 JT	0.756 T	0.382 JT
C425-2	LW2-C425-B2	1.75 J	1.65 J	0.748 NJ	4.15 JT	0.445 NJ	1.2 NJ	0.243 U	5.79 JT	2.2 JT	2.85 JT	0.748 JT
C425-1	LW2-C425-C1	2.22 JT	1.15 JT	0.428 JT	3.8 JT	0.43 NJT	0.0345 UT	0.0456 UT	4.23 JT	2.65 JT	1.15 JT	0.428 JT
C425-2	LW2-C425-C2	0.822 J	0.568 J	0.141 J	1.53 JT	0.221 NJ	0.0343 U	0.141 J	1.89 JT	1.04 JT	0.568 JT	0.282 JT
C425-2	LW2-C425-D2	3.22 J	0.713 NJ	0.195 J	4.13 JT	0.675 NJ	0.0403 U	0.179 NJ	4.98 JT	3.9 JT	0.713 JT	0.374 JT
C425-1	LW2-C425-E1	3.17 JT	1.11 NJT	0.558 JT	4.84 JT	0.8 NJT	0.0339 UT	0.195 JT	5.83 JT	3.97 JT	1.11 JT	0.753 JT
C426	LW2-C426-B	1.91 NJ	2.8 NJ	0.339 J	5.05 JT	0.747 NJ	0.14 NJ	0.068 UJ	5.94 JT	2.66 JT	2.94 JT	0.339 JT
C426	LW2-C426-C	0.0521 U	0.0488 U	0.0602 UJ	0.0602 UJT	0.0348 U	0.0369 U	0.0488 U	0.0602 UJT	0.0521 UT	0.0488 UT	0.0602 UJT
C430	LW2-C430-B	3.01 J	2.76 J	0.564 J	6.33 JT	0.601 NJ	0.048 U	0.0635 U	6.94 JT	3.61 JT	2.76 JT	0.564 JT
C430	LW2-C430-C	5.65 J	5.18	0.845 J	11.7 JT	1.66 NJ	0.297 NJ	0.258 J	13.9 JT	7.31 JT	5.48 JT	1.1 JT
C430	LW2-C430-E	11.9 J	9.35	2.04 J	23.3 JT	3.82 NJ	0.214 U	0.283 U	27.1 JT	15.7 JT	9.35 T	2.04 JT
C431	LW2-C431-B	9.1 J	8.69	1.98 J	19.8 JT	3.68 NJ	0.235 U	1.03 NJ	24.5 JT	12.8 JT	8.69 T	3.01 JT
C431	LW2-C431-C	107 J	12	10.3 J	129 JT	25.1 J	2.21 J	0.261 U	157 JT	132 JT	14.2 JT	10.3 JT
C431	LW2-C431-D	4.68 NJ	0.946	5.1 J	10.7 JT	0.762 NJ	0.0366 U	0.0484 U	11.5 JT	5.44 JT	0.946 T	5.1 JT
C431	LW2-C431-F	0.12 UJ	0.059 UJ	0.39 J	0.39 JT	0.074 U	0.077 U	0.062 U	0.39 JT	0.12 UJT	0.077 UT	0.39 JT
C434	LW2-C434-B	19.4 J	10.3	0.664 NJ	30.4 JT	5.15 J	1.44 J	0.306 U	37 JT	24.6 JT	11.7 JT	0.664 JT
C434	LW2-C434-C	0.0522 UJ	0.0489 UJ	0.0603 UJ	0.0603 UJT	0.0348 UJ	0.037 U	0.0489 UJ	0.0603 UJT	0.0522 UJT	0.0489 UJT	0.0603 UJT
C434	LW2-C434-D	0.0501 UJ	0.047 UJ	0.0579 UJ	0.0579 UJT	0.0334 UJ	0.0355 U	0.047 UJ	0.0579 UJT	0.0501 UJT	0.047 UJT	0.0579 UJT
C436	LW2-C436-C	7.8 J	11	2.4	21.2 JT	3.8	2	1.5	28.5 JT	11.6 JT	13 T	3.9 T
C437	LW2-C437-B	1.21 J	0.998	0.286 UJ	2.21 JT	0.165 U	0.176 U	0.232 U	2.21 JT	1.21 JT	0.998 T	0.286 UJT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C437	LW2-C437-C	0.276 J	0.0461 U	1.23 NJ	1.51 JT	0.225 NJ	0.0349 U	0.0461 U	1.73 JT	0.501 JT	0.0461 UT	1.23 JT
C437	LW2-C437-D	0.053 U	0.0497 U	0.0613 UJ	0.0613 UJT	0.0354 U	0.0376 U	0.0497 U	0.0613 UJT	0.053 UT	0.0497 UT	0.0613 UJT
C439	LW2-C439-B	2.46	3.6	0.417 UJ	6.06 T	0.516 NJ	0.256 U	0.338 UJ	6.58 JT	2.98 JT	3.6 T	0.417 UJT
C439	LW2-C439-C	3.06 J	3.91 J	0.609 J	7.58 JT	0.642 NJ	0.588 J	0.293 UJ	8.81 JT	3.7 JT	4.5 JT	0.609 JT
C440	LW2-C440-C	1.9	5.5	2.3	9.7 T	3.5 NJ	0.37 U	2.2	15.4 JT	5.4 JT	5.5 T	4.5 T
C441-1	LW2-C441-B1	2.81	4.67	0.438 J	7.92 JT	1.18 J	0.224 U	0.296 UJ	9.1 JT	3.99 JT	4.67 T	0.438 JT
C441-2	LW2-C441-B2	6.38 JT	11 JT	0.908 JT	18.3 JT	1.72 NJT	0.231 UT	0.306 UJT	20 JT	8.1 JT	11 JT	0.908 JT
C441-1	LW2-C441-C1	0.0518 U	0.0486 U	0.0599 UJ	0.0599 UJT	0.0346 U	0.0367 U	0.0486 UJ	0.0599 UJT	0.0518 UT	0.0486 UT	0.0599 UJT
C441-2	LW2-C441-C2	0.0566 UT	0.087 JT	0.0654 UJT	0.087 JT	0.0378 UT	0.0401 UT	0.0531 UJT	0.087 JT	0.0566 UT	0.087 JT	0.0654 UJT
C444	LW2-C444-B	2.31 J	13 J	0.788 J	16.1 JT	0.836 NJ	0.552 NJ	0.41 J	17.9 JT	3.15 JT	13.6 JT	1.2 JT
C444	LW2-C444-C	11 J	19.2 J	0.374 U	30.2 JT	1.7 NJ	1.91 NJ	0.303 U	33.8 JT	12.7 JT	21.1 JT	0.374 UT
C444	LW2-C444-E	0.3 U	0.35 U	0.2 U	0.35 UT	0.076 U	0.13 U	0.063 U	0.35 UT	0.3 UT	0.35 UT	0.2 UT
C445	LW2-C445-B	2.08 NJ	3.86 NJ	0.355 NJ	6.3 JT	0.967 NJ	0.21 J	0.308 J	7.78 JT	3.05 JT	4.07 JT	0.663 JT
C445	LW2-C445-C	9.07 NJ	15.7 NJ	0.97 NJ	25.7 JT	3.14 NJ	1.18 J	0.428 J	30.5 JT	12.2 JT	16.9 JT	1.4 JT
C445	LW2-C445-E	10.1 NJ	22 NJ	0.984 NJ	33.1 JT	7.34 J	1.07 J	0.307 UJ	41.5 JT	17.4 JT	23.1 JT	0.984 JT
C447	LW2-C447-C	8.1	2.1 J	0.31	10.51 JT	3.2	0.44	0.071 U	14.2 JT	11.3 T	2.54 JT	0.31 T
C448	LW2-C448-C	2.3 J	6.2	2.1	10.6 JT	1.3 U	0.35 U	2.5	13.1 JT	2.3 JT	6.2 T	4.6 T
C449	LW2-C449-B	1.3 J	2.3 J	0.98 J	4.58 JT	0.83 U	0.12 U	0.61 J	5.19 JT	1.3 JT	2.3 JT	1.59 JT
C449	LW2-C449-C	1.2 J	1.6 J	0.77 J	3.57 JT	1.1 U	0.098 U	0.45 J	4.02 JT	1.2 JT	1.6 JT	1.22 JT
C449	LW2-C449-E	1.3 J	3.2 J	1.9 J	6.4 JT	0.65 U	0.37 U	1.4	7.8 JT	1.3 JT	3.2 JT	3.3 JT
C450	LW2-C450-B	6.42 NJ	7.3 J	0.338 J	14.1 JT	1.79 NJ	0.442 J	0.521 NJ	16.8 JT	8.21 JT	7.74 JT	0.859 JT
C450	LW2-C450-C	26.4 NJ	65.3 J	1.17 NJ	92.9 JT	5.15 NJ	6.41 J	16.8 NJ	121 JT	31.6 JT	71.7 JT	18 JT
C453	LW2-C453-B	56.7 J	355 J	6.4 NJ	418 JT	32.2 NJ	25.1 J	3.34 NJ	479 JT	88.9 JT	380 JT	9.74 JT
C453	LW2-C453-C	87.1 J	233 J	1.45 J	322 JT	14.8 NJ	8.99 J	1.37 NJ	347 JT	102 JT	242 JT	2.82 JT
C453	LW2-C453-D	0.477 J	2.36 J	0.0724 U	2.84 JT	0.271 NJ	0.0444 U	0.0587 U	3.11 JT	0.748 JT	2.36 JT	0.0724 UT
C454	LW2-C454-B	0.879 NJ	0.403 NJ	0.171 J	1.45 JT	0.401 J	0.0334 U	0.0442 U	1.85 JT	1.28 JT	0.403 JT	0.171 JT
C454	LW2-C454-C	0.0692 UJ	0.0649 UJ	0.224 NJ	0.224 JT	0.901 J	0.62 NJ	0.344 J	2.09 JT	0.901 JT	0.62 JT	0.568 JT
C454	LW2-C454-D	0.0618 U	0.167 NJ	0.45 J	0.617 JT	0.68 J	0.0438 U	0.0579 U	1.3 JT	0.68 JT	0.167 JT	0.45 JT
C454	LW2-C454-E	0.0508 U	0.122 NJ	0.315 J	0.437 JT	0.24 J	0.251 J	0.0477 U	0.928 JT	0.24 JT	0.373 JT	0.315 JT
C455	LW2-C455-B	1290 J	2690 J	31.5 J	4010 JT	1690 J	139 NJ	6.45 UJ	5840 JT	2980 JT	2830 JT	31.5 JT
C455	LW2-C455-C	116 J	376 J	2.46 J	494 JT	35.4 J	8.28 J	0.304 UJ	538 JT	151 JT	384 JT	2.46 JT
C455	LW2-C455-D	0.496 NJ	1.98 NJ	R	2.48 JT	1.15 J	0.223 U	0.294 UJ	3.63 JT	1.65 JT	1.98 JT	0.294 UJT
C456	LW2-C456-B	3.62 NJ	3.51 NJ	0.293 J	7.42 JT	0.647 NJ	0.0492 U	0.368 J	8.44 JT	4.27 JT	3.51 JT	0.661 JT
C456	LW2-C456-C	9.86 NJ	8.96 NJ	0.998 J	19.8 JT	1.51 NJ	0.199 U	0.263 UJ	21.3 JT	11.4 JT	8.96 JT	0.998 JT
C456	LW2-C456-D	0.0644 U	0.253 NJ	R	0.253 JT	0.638 J	0.24 J	0.0604 UJ	1.13 JT	0.638 JT	0.493 JT	0.0604 UJT
C456	LW2-C456-F	0.142 NJ	0.382 NJ	0.329 NJ	0.853 JT	0.207 J	0.0443 U	0.233 J	1.29 JT	0.349 JT	0.382 JT	0.562 JT
C457	LW2-C457-B	3.24 J	3.36 J	0.532 NJ	7.13 JT	0.567 NJ	0.362 NJ	0.367 NJ	8.43 JT	3.81 JT	3.72 JT	0.899 JT
C457	LW2-C457-C	4.91 NJ	5.39 J	1.23 J	11.5 JT	1.55 NJ	0.219 U	0.65	13.7 JT	6.46 JT	5.39 JT	1.88 JT
C457	LW2-C457-E	0.0625 UJ	0.0586 UJ	0.37 NJ	0.37 JT	0.0417 UJ	0.0443 UJ	0.37 NJ	0.74 JT	0.0625 UJT	0.0586 UJT	0.74 JT
C458-1	LW2-C458-B	1.36 J	2.63 J	0.0917 UJ	3.99 JT	0.438 NJ	0.0563 U	0.0744 U	4.43 JT	1.8 JT	2.63 JT	0.0917 UJT
C458-2	LW2-C458-B2	1.59 JT	2.66 JT	0.223 JT	4.47 JT	0.386 NJT	0.0521 UT	0.26 JT	5.12 JT	1.98 JT	2.66 JT	0.483 JT
C458-1	LW2-C458-C	3.01 J	3.25 J	0.402 J	6.66 JT	0.78 NJ	0.051 U	0.0675 U	7.44 JT	3.79 JT	3.25 JT	0.402 JT
C458-2	LW2-C458-C2	3.02 JT	3.1 JT	0.214 JT	6.33 JT	0.676 NJT	0.0517 UT	0.0684 UT	7.01 JT	3.7 JT	3.1 JT	0.214 JT
C458-1	LW2-C458-D	1 J	2.1 J	1.1	4.2 JT	0.44 U	0.28 U	0.75 J	4.95 JT	1 JT	2.1 JT	1.85 JT
C461	LW2-C461-B	1.92 J	3.04 J	0.0902 UJ	4.96 JT	0.467 NJ	0.0553 UJ	0.0732 UJ	5.43 JT	2.39 JT	3.04 JT	0.0902 UJT
C461	LW2-C461-C	1.94 J	2.84 J	0.535 NJ	5.32 JT	0.428 NJ	0.0489 UJ	0.0647 UJ	5.74 JT	2.37 JT	2.84 JT	0.535 JT
C468	LW2-C468-B	2.07 J	1.96 NJ	0.333 J	4.36 JT	0.338 NJ	0.0486 U	0.196 J	4.9 JT	2.41 JT	1.96 JT	0.529 JT
C468	LW2-C468-C	2.47 J	3.19 J	0.425 J	6.09 JT	0.432 NJ	0.0509 U	0.0673 U	6.52 JT	2.9 JT	3.19 JT	0.425 JT
C474	LW2-C474-B	1.45 J	1.81 J	0.346 J	3.61 JT	0.254 NJ	0.0546 U	0.334 NJ	4.19 JT	1.7 JT	1.81 JT	0.68 JT
C474	LW2-C474-C	2.35 J	2.54 J	0.0786 UJ	4.89 JT	0.61 J	0.0482 U	0.0637 U	5.5 JT	2.96 JT	2.54 JT	0.0786 UJT
C477	LW2-C477-B	3.47 NJ	3.32 NJ	1.85 J	8.64 JT	4.06 NJ	0.0487 U	0.49 J	13.2 JT	7.53 JT	3.32 JT	2.34 JT
C477	LW2-C477-C	2.44 NJ	1.08 NJ	1.32 J	4.84 JT	0.702 NJ	2.21 J	0.41 J	8.16 JT	3.14 JT	3.29 JT	1.73 JT
C492	LW2-C492-B	1.9 NJ	6.2 NJ	2.3 U	8.1 JT	1 U	0.47 U	1.2 NJ	9.3 JT	1.9 JT	6.2 JT	1.2 JT
C492	LW2-C492-C	0.2 U	0.22 U	0.18 U	0.22 UT	0.066 U	0.2 U	0.055 U	0.22 UT	0.2 UT	0.22 UT	0.18 UT
C494	LW2-C494-B	2.6 NJ	1.85 NJ	3.03 NJ	7.48 JT	2.11 NJ	0.0394 U	0.0521 U	9.59 JT	4.71 JT	1.85 JT	3.03 JT
C494	LW2-C494-C	3.26 NJ	1.93 NJ	3.99 NJ	9.18 JT	1.88 NJ	0.0412 U	0.761 NJ	11.8 JT	5.14 JT	1.93 JT	4.75 JT
C494	LW2-C494-D	2.88 NJ	2.03 NJ	4.87 J	9.78 JT	3.29 NJ	0.22 U	0.291 U	13.1 JT	6.17 JT	2.03 JT	4.87 JT
C494	LW2-C494-E	0.299 U	0.617 NJ	R	0.617 JT	0.2 U	0.212 U	0.28 U	0.617 JT	0.299 UT	0.617 JT	0.28 UT
C521	LW2-C521-B	25	2.2 U	7.7 U	25 T	23	9.5 U	17 U	48 T	48 T	9.5 UT	17 UT
C521	LW2-C521-C	30 NJ	3 U	2.3 U	30 JT	13 U	6.4 U	16 J	46 JT	30 JT	6.4 UT	16 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
C521	LW2-C521-D	4.3 U	2 U	1.8 U	4.3 UT	13 U	5.5 U	5.7 U	13 UT	13 UT	5.5 UT	5.7 UT
C522	LW2-C522-B	6.9 J	2.9 J	7.2 J	17 JT	4.4	0.2 U	1.5 U	21.4 JT	11.3 JT	2.9 JT	7.2 JT
C522	LW2-C522-C	0.29 J	0.097 UJ	0.2 UJ	0.29 JT	0.19 J	0.077 U	0.062 U	0.48 JT	0.48 JT	0.097 UJT	0.2 UJT
C523	LW2-C523-B	72 J	18 NJ	24 J	114 JT	40 J	0.47 UJ	0.38 UJ	154 JT	112 JT	18 JT	24 JT
C523	LW2-C523-C	16 J	4.8 J	4 J	24.8 JT	10 J	1 UJ	2.4 UJ	34.8 JT	26 JT	4.8 JT	4 JT
C524	LW2-C524-B	1.9 J	0.41 J	0.37 J	2.68 JT	1.3 J	0.094 U	0.1 U	3.98 JT	3.2 JT	0.41 JT	0.37 JT
C525	LW2-C525-B	84	20 NJ	170	274 JT	37	2 U	16 U	311 JT	121 T	20 JT	170 T
C525	LW2-C525-C	68	27 NJ	5.1 U	95 JT	32	24 NJ	15 U	151 JT	100 T	51 JT	15 UT
C525	LW2-C525-D	14 U	2.2 U	7 U	14 UT	10 U	28 U	20 U	28 UT	14 UT	28 UT	20 UT
C525	LW2-C525-E	0.57 U	0.3 U	0.95 U	0.95 UT	1 U	1.1	1.1 U	1.1 T	1 UT	1.1 T	1.1 UT
C527	LW2-C527-B	18	7.8 U	6.9 J	24.9 JT	11 U	1.9 U	2.8 U	24.9 JT	18 T	7.8 UT	6.9 JT
C527	LW2-C527-C	22	8.4	9	39.4 T	9.7 U	1.1 U	3.4 U	39.4 T	22 T	8.4 T	9 T
C527	LW2-C527-E	630	57 NJ	160	847 JT	200	50	47 U	1100 JT	830 T	107 JT	160 T
C528	LW2-C528-B	8.9	5.4	13	27.3 T	4.2 NJ	0.95 U	0.26 U	31.5 JT	13.1 JT	5.4 T	13 T
C528	LW2-C528-C	62 J	11 U	5.4 U	62 JT	65 J	9.2 U	7.5 U	127 JT	127 JT	11 UT	7.5 UT
C528	LW2-C528-F	4.6	0.62	0.19 U	5.22 T	4.1 NJ	0.075 U	0.55 U	9.32 JT	8.7 JT	0.62 T	0.55 UT
C529	LW2-C529-B	7.2 J	4.9 J	4.4 J	16.5 JT	3.8	1.1	0.43 U	21.4 JT	11 JT	6 JT	4.4 JT
C529	LW2-C529-C	26 J	8.6 J	2.4 UJ	34.6 JT	19	0.99 U	2.1 NJ	55.7 JT	45 JT	8.6 JT	2.1 JT
C529	LW2-C529-E	280 J	14 UJ	7 J	287 JT	38	16 J	5.3 U	341 JT	318 JT	16 JT	7 JT
C530	LW2-C530-B	16 J	5.7 J	2.7 UJ	21.7 JT	14 J	0.85 U	1.9 U	35.7 JT	30 JT	5.7 JT	2.7 UJT
C530	LW2-C530-C	44 J	9.6 NJ	16 J	69.6 JT	22	6.3 J	1.5 U	97.9 JT	66 JT	15.9 JT	16 JT
C530	LW2-C530-E	160 J	39 NJ	31 J	230 JT	53	16 NJ	4.1	303 JT	213 JT	55 JT	35.1 JT
C531	LW2-C531-B	32 J	16 NJ	12 J	60 JT	18	1.2 U	5.4 U	78 JT	50 JT	16 JT	12 JT
C531	LW2-C531-C	520	25 U	92	612 T	160	11 U	8.3 J	780 JT	680 T	25 UT	100 JT
C531	LW2-C531-E	0.13 U	0.066 U	0.22 U	0.22 UT	0.18 U	0.086 U	0.31 U	0.31 UT	0.18 UT	0.086 UT	0.31 UT
C532	LW2-C532-B	3.8 J	5.6 J	1.1 UJ	9.4 JT	3.1 J	0.32 U	3.5 J	16 JT	6.9 JT	5.6 JT	3.5 JT
C532	LW2-C532-C	4.8 J	5.8 J	1.7 J	12.3 JT	3.5 NJ	0.2 U	1.4	17.2 JT	8.3 JT	5.8 JT	3.1 JT
C532	LW2-C532-E	12 J	11 NJ	1.1 J	24.1 JT	8.9 J	3.1 U	0.81 U	33 JT	20.9 JT	11 JT	1.1 JT
C532	LW2-C532-F	0.12 UJ	0.095 J	0.19 UJ	0.095 JT	0.12 J	0.075 U	0.06 U	0.215 JT	0.12 JT	0.095 JT	0.19 UJT
C533	LW2-C533-B	0.16 U	0.082 UJ	0.27 UJ	0.27 UJT	0.2 U	0.11 U	0.086 U	0.27 UJT	0.2 UT	0.11 UT	0.27 UJT
C533	LW2-C533-C	0.14 U	0.07 UJ	0.23 UJ	0.23 UJT	0.2 U	0.19 U	0.28 U	0.28 UT	0.2 UT	0.19 UT	0.28 UT
C533	LW2-C533-D	0.66 UJ	0.42 UJ	0.19 UJ	0.66 UJT	0.22 UJ	0.075 UJ	0.06 UJ	0.66 UJT	0.66 UJT	0.42 UJT	0.19 UJT
NA-1B	NA-1B-0046	6.13 J	3.91	3.9	13.9 JT	1.35 NJ	0.0474 U	3.12	18.4 JT	7.48 JT	3.91 T	7.02 T
NA-1B	NA-1B-4668	11 J	5.16	5.36	21.5 JT	1.73 J	0.0532 U	0.901	24.2 JT	12.7 JT	5.16 T	6.26 T
NA-1B	NA-1B-6894	28.7 J	9.85	9.4	48 JT	6.56 J	2.52 NJ	0.324 U	57 JT	35.3 JT	12.4 JT	9.4 T
NA-2B	NA-2B-3157	3.79 J	3.06 J	0.306 NJ	7.16 JT	1.42 NJ	0.443 J	0.348	9.37 JT	5.21 JT	3.5 JT	0.654 JT
NA-2B	NA-2B-5794	2.84 J	2.89	0.25 J	5.98 JT	0.599 NJ	0.0564 U	0.323 J	6.9 JT	3.44 JT	2.89 T	0.573 JT
NA-3B	NA-3B-3464	4.24 NJ	2.1	0.061 U	6.34 JT	0.789 NJ	0.0374 U	0.0495 U	7.13 JT	5.03 JT	2.1 T	0.061 UT
NA-3B	NA-3B-6494	8.58 J	4.29	0.585	13.5 JT	2.58 J	0.318 J	0.815 J	17.2 JT	11.2 JT	4.61 JT	1.4 JT
NA-4B	NA-4B-2450	3.58 J	5.55	0.552	9.68 JT	0.958 NJ	0.0588 U	0.144 J	10.8 JT	4.54 JT	5.55 T	0.696 JT
NA-4B	NA-4B-5094	4.55 J	6.15	0.741	11.4 JT	1.06 NJ	0.081 NJ	0.18	12.8 JT	5.61 JT	6.23 JT	0.921 T
B416U1	PPTLDT24B416U1B416C1	3	2 U	100	103 T							
T2U1	PPTLDT24T2U1B204C1	2 U	2 U	2 U	2 UT							
T2U2	PPTLDT24T2U2B203C1	2 U	2	2 U	2 T							
DMMU1	TOSCO99DMMU1SDO1	11 E	8 E	2 UE	19 T							
DMMU1	TOSCO99DMMU1SDO3	12 EG	8 EG	13 EG	33 T							
DMMU2	TOSCO99DMMU2SDO4	20 E	8 E	24 E	52 T							
C01020304	WLCCIF01020304020304	1.4 U	0.35 U	1.3 U	1.4 UT							
T01	WLCCIF01T01T01	0.2 U	0.32 U	1.1 U	1.1 UT							
T02	WLCCIF01T02T02	0.73 U	0.36 U	0.68 U	0.73 UT							
T03	WLCCIF01T03T03	0.69 J	0.81 J	0.92 J	2.42 T							
T04	WLCCIF01T04T04	0.22 U	0.92 U	2.2 U	2.2 UT							
SD0101	WLCCPF01SD0101SD139F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0101	WLCCPF01SD0101SD141F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0101	WLCCPF01SD0101SD1S1C	1.65 U	1.65 U	1.65 U	1.65 UT							
SD0102	WLCCPF01SD0102SD239F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0102	WLCCPF01SD0102SD241F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0103	WLCCPF01SD0103SD339F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0103	WLCCPF01SD0103SD341F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0103	WLCCPF01SD0103SD3S1C	1.7 U	1.7 U	1.7 U	1.7 UT							

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
SD0104	WLCCPF01SD0104SD439F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0104	WLCCPF01SD0104SD441F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0104	WLCCPF01SD0104SD4S1C	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0105	WLCCPF01SD0105SD539F	0.8 U	0.8 U	0.8 U	0.8 UT							
SD0105	WLCCPF01SD0105SD541F	0.8 U	0.8 U	0.8 U	0.8 UT							
WR-VC-03	WLCDRD05VC00303	3.3 J	3.8	1.2 U	7.1 T	1 U	0.72 J	0.79 U	7.82 JT	3.3 JT	4.52 JT	1.2 UT
WR-VC-04	WLCDRD05VC00404	3.1 J	3.3	1.7 U	6.4 T	2.3 U	0.41 U	1.4 U	6.4 JT	3.1 JT	3.3 T	1.7 UT
WR-VC-05	WLCDRD05VC00505	3.2 J	4.2 J	2.2 U	7.4 T	1.7 U	0.48 U	1.4 U	7.4 JT	3.2 JT	4.2 JT	2.2 UT
WR-VC-06	WLCDRD05VC00606	7.7 J	5.2 J	3.2 U	12.9 T	1.9 U	0.5 U	1.6 J	14.5 JT	7.7 JT	5.2 JT	1.6 JT
WR-VC-07	WLCDRD05VC00707	3.7 J	4.6 J	4.7 J	13 T	2.3 U	0.44 U	1.7 J	14.7 JT	3.7 JT	4.6 JT	6.4 JT
WR-VC-08	WLCDRD05VC00808	9.8 J	6.4 J	2.7 U	16.2 T	3.5 U	1.1 U	1.6 U	16.2 JT	9.8 JT	6.4 JT	2.7 UT
WR-VC-09	WLCDRD05VC00909	3.4 J	3.8	1.1	8.3 T	1.1 U	0.44 U	0.65 J	8.95 JT	3.4 JT	3.8 T	1.75 JT
WR-VC-10	WLCDRD05VC01010	11 J	7.8 J	14	32.8 T	4.2 U	0.47 U	2.2 U	32.8 JT	11 JT	7.8 JT	14 T
WR-VC-11	WLCDRD05VC01111	3.5 J	4	2 J	9.5 T	1 U	0.45 U	0.74 U	9.5 JT	3.5 JT	4 T	2 JT
WR-VC-12	WLCDRD05VC01212	12 J	9 J	5.1	26.1 T	4.2 U	1 U	3.4	29.5 JT	12 JT	9 JT	8.5 T
WR-VC-13	WLCDRD05VC01313	3.9 J	4.4 J	1.7	10 T	1 U	0.45 U	0.95 J	11 JT	3.9 JT	4.4 JT	2.65 JT
WR-VC-14	WLCDRD05VC01414	8.1 J	6.8 J	6.4	21.3 T	3.2 J	0.84 U	2.4 U	24.5 JT	11.3 JT	6.8 JT	6.4 T
WR-VC-15	WLCDRD05VC01515	3.6 J	3.9 J	1.9 J	9.4 T	2.2	0.47 U	1 J	12.6 JT	5.8 JT	3.9 JT	2.9 JT
WR-VC-16	WLCDRD05VC01616	7.3 J	5.5 J	1 U	12.8 T	2.9 U	0.47 U	1.6 U	12.8 JT	7.3 JT	5.5 JT	1.6 UT
WR-VC-17	WLCDRD05VC01717	3.7 J	3.2 J	1.6 U	6.9 T	3 U	0.43 U	2.2 U	6.9 JT	3.7 JT	3.2 JT	2.2 UT
WR-VC-18	WLCDRD05VC01818	5.2 J	5.6 J	4.3	15.1 T	2.5 U	0.88 U	1.5 U	15.1 JT	5.2 JT	5.6 JT	4.3 T
WR-VC-19	WLCDRD05VC01919	1.9 J	2.9 J	3.3	8.1 T	1.8 U	0.46 U	1.5 U	8.1 JT	1.9 JT	2.9 JT	3.3 T
WR-VC-20	WLCDRD05VC02020	9.8 J	6.6 J	6.9 NJ	23.3 T	5 J	1.3 U	1.9	30.2 JT	14.8 JT	6.6 JT	8.8 JT
WR-VC-22	WLCDRD05VC02222	6.6 J	6.2	6.5	19.3 T	2.9 U	0.7 U	0.93 U	19.3 JT	6.6 JT	6.2 T	6.5 T
WR-VC-23	WLCDRD05VC02323	3.2 J	2.6 J	3.5 NJ	9.3 T	3.7	0.83 U	2.5 U	13 JT	6.9 JT	2.6 JT	3.5 JT
WR-VC-24	WLCDRD05VC02424	4.3 J	4.2 J	1.9	10.4 T	1.9 U	0.59 U	0.79 U	10.4 JT	4.3 JT	4.2 JT	1.9 T
WR-VC-26	WLCDRD05VC02626	7.5 J	4.5	3.8	15.8 T	2.7 U	0.59 J	0.86 U	16.4 JT	7.5 JT	5.09 JT	3.8 T
WR-VC-28	WLCDRD05VC02828	14 J	12 J	1200	1230 T	3.1 J	1.2 U	2 J	1230 JT	17.1 JT	12 JT	1200 JT
WR-VC-29	WLCDRD05VC02929	1.7 J	2.9	1.4 NJ	6 T	1 U	0.58 U	0.54 U	6 JT	1.7 JT	2.9 T	1.4 JT
WR-VC-30	WLCDRD05VC03030	12 J	7.7 J	3.6	23.3 T	4.8 J	1.3 J	1.7	31.1 JT	16.8 JT	9 JT	5.3 T
WR-VC-31	WLCDRD05VC03131	3.2 J	4.4	1.8 U	7.6 T	2.7 U	0.46 U	0.54 J	8.14 JT	3.2 JT	4.4 T	0.54 JT
WR-VC-32	WLCDRD05VC03232	9.2 J	6.8 J	7.5	23.5 T	2.8 U	0.47 U	1.4 U	23.5 JT	9.2 JT	6.8 JT	7.5 T
WR-VC-33	WLCDRD05VC03333	0.57 J	1.1 J	0.67 U	1.67 T	0.8 J	0.31 U	0.66 J	3.13 JT	1.37 JT	1.1 JT	0.66 JT
WR-VC-34	WLCDRD05VC03434	11 J	7 J	5.8	23.8 T	2.8 J	1.1 U	1.6 U	26.6 JT	13.8 JT	7 JT	5.8 T
WR-VC-35	WLCDRD05VC03535	2.9 J	5.6 J	3.2 J	11.7 T	4.5 J	0.56 J	3.8 J	20.6 JT	7.4 JT	6.16 JT	7 JT
WR-VC-36	WLCDRD05VC03636	11 J	5.9 J	0.82 U	16.9 T	3.3 U	0.96 U	1 U	16.9 JT	11 JT	5.9 JT	1 UT
WR-VC-37	WLCDRD05VC03737	0.99 J	2.3	2	5.29 T	1.6 U	0.38 U	1.6	6.89 JT	0.99 JT	2.3 T	3.6 T
WR-VC-39	WLCDRD05VC03939	0.89 J	1.7	1 U	2.59 T	1.5 U	0.43 U	1 J	3.59 JT	0.89 JT	1.7 T	1 JT
WR-VC-41	WLCDRD05VC04141	1.3 J	2.6 J	0.19 U	3.9 T	1.9 U	0.47 U	1.9	5.8 JT	1.3 JT	2.6 JT	1.9 T
WR-VC-42	WLCDRD05VC04242	5.7	0.81 NJ	2.3	8.81 T	2.1 NJ	0.42 NJ	0.67 NJ	12 JT	7.8 JT	1.23 JT	2.97 JT
WR-VC-43	WLCDRD05VC04343	1.2 J	2.6	0.17 U	3.8 T	0.86 U	0.59 U	0.64 J	4.44 JT	1.2 JT	2.6 T	0.64 JT
WR-VC-45	WLCDRD05VC04545	1.4 NJ	2.3	2.6 U	3.7 T	1.1 U	0.44 U	1.1 J	4.8 JT	1.4 JT	2.3 T	1.1 JT
WR-VC-46	WLCDRD05VC04646	15 J	1.1 U	3 U	15 T	6.3	1.5 U	1.8 U	21.3 JT	21.3 JT	1.5 UT	3 UT
WR-VC-47	WLCDRD05VC04747	0.51 J	1.7	9.7	11.9 T	1.5 U	0.43 U	1.1	13 JT	0.51 JT	1.7 T	10.8 T
WR-VC-49	WLCDRD05VC04949	1.8 J	5.4 NJ	5.5 J	12.7 T	7.7 NJ	1 U	5.4	25.8 JT	9.5 JT	5.4 JT	10.9 JT
WR-VC-50	WLCDRD05VC05050	46 J	10 U	27	73 T	38 U	11 U	17 U	73 JT	46 JT	11 UT	27 T
WR-VC-51	WLCDRD05VC05151	1.5 J	2 J	7 J	10.5 T	3.1	0.42 J	2.2 U	14 JT	4.6 JT	2.42 JT	7 JT
WR-VC-52	WLCDRD05VC05252	30	10 U	1.6 U	30 T	36 U	15 U	27 U	30 T	30 T	15 UT	27 UT
WR-VC-53	WLCDRD05VC05353	0.58 NJ	1.5	1.4 NJ	3.48 T	2.1	0.4 J	1.2 J	7.18 JT	2.68 JT	1.9 JT	2.6 JT
WR-VC-54	WLCDRD05VC05454	32	25 U	1.8 U	32 T	28 U	13 U	10 U	32 T	32 T	25 UT	10 UT
WR-VC-55	WLCDRD05VC05555	2.2	2.3 NJ	3.6 J	8.1 T	2.3 U	1 U	2.5 J	10.6 JT	2.2 T	2.3 JT	6.1 JT
WR-VC-56	WLCDRD05VC05656	680	160 U	490	1170 T	390	4.8 U	18	1580 T	1070 T	160 UT	508 T
WR-VC-57	WLCDRD05VC05757	1.1 J	3.6 J	4.7 U	4.7 T	2.7 NJ	0.42 U	4.4	11.8 JT	3.8 JT	3.6 JT	4.4 T
WR-VC-58	WLCDRD05VC05858	22 J	4.4 J	48	74.4 T	8.8 U	0.71 U	1.9 U	74.4 JT	22 JT	4.4 JT	48 T
WR-VC-59	WLCDRD05VC05959	2.2 J	2.7 J	3.9 J	8.8 T	3.6 NJ	0.39 U	2.8 J	15.2 JT	5.8 JT	2.7 JT	6.7 JT
WR-VC-60	WLCDRD05VC06060	4.8 J	3.3 J	2.2	10.3 T	3.8	1.2 U	1.7 U	14.1 JT	8.6 JT	3.3 JT	2.2 T
WR-VC-61	WLCDRD05VC06161	1.8	3.2	4.8 U	5 T	3.8 NJ	3.8 U	4.7 NJ	13.5 JT	5.6 JT	3.2 T	4.7 JT
WR-VC-62	WLCDRD05VC06262	31	11 J	8.3	50.3 T	12	2.1 NJ	2.5 U	64.4 JT	43 T	13.1 JT	8.3 T
WR-VC-64	WLCDRD05VC06464	11 J	8.2 J	38 J	57.2 T	5.9	1.3 U	1.7 U	63.1 JT	16.9 JT	8.2 JT	38 JT
WR-VC-66	WLCDRD05VC06666	21 J	13 J	35 J	69 T	7.1 J	2	2.2	80.3 JT	28.1 JT	15 JT	37.2 JT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WR-VC-68	WLCDRD05VC06868	16 J	7.5 J	67	90.5 T	6.1	1.2 J	1.8	99.6 JT	22.1 JT	8.7 JT	68.8 T
WR-VC-70	WLCDRD05VC07070	25	57	120 J	202 T	9.7 J	3.5 J	4.8	220 JT	34.7 JT	60.5 JT	125 JT
WR-VC-72	WLCDRD05VC07272	18 J	8.8 J	13 J	39.8 T	6.8 J	1.4	3.4 J	51.4 JT	24.8 JT	10.2 JT	16.4 JT
WR-VC-106	WLCDRD05VC106106	5.8 J	3.5 U	20 J	25.8 T	6.7 U	5.3 U	15 J	40.8 JT	5.8 JT	5.3 UT	35 JT
WR-VC-108	WLCDRD05VC108108	13 J	3.4 U	140	153 T	15 U	18 U	140 J	293 JT	13 JT	18 UT	280 JT
WR-VC-110	WLCDRD05VC110110	25 J	3 U	26	51 T	9.1 U	1.9 U	13 NJ	64 JT	25 JT	3 UT	39 JT
WR-VC-114	WLCDRD05VC114114	1.9 J	3.2 J	2.4 U	5.1 T	1.2 U	0.45 U	1.2 J	6.3 JT	1.9 JT	3.2 JT	1.2 JT
WR-VC-116	WLCDRD05VC116116	1.2 NJ	3.3 J	1.6 U	4.5 T	1.2 U	0.49 U	1.2 U	4.5 JT	1.2 JT	3.3 JT	1.6 UT
WR-VC-118	WLCDRD05VC118118	2.7 J	4.9 J	3.3	10.9 T	4 J	0.85 U	2.5	17.4 JT	6.7 JT	4.9 JT	5.8 T
WR-VC-120	WLCDRD05VC120120	2.2 J	3.7 J	2.3	8.2 T	1.3 U	0.43 U	1.8	10 JT	2.2 JT	3.7 JT	4.1 T
WR-VC-122	WLCDRD05VC122122	0.43 J	0.83 J	1 U	1.26 T	1 U	0.39 U	0.34 J	1.6 JT	0.43 JT	0.83 JT	0.34 JT
WR-VC-124	WLCDRD05VC124124	1.2 J	2.3	1.8	5.3 T	2.1 U	0.42 U	0.85 J	6.15 JT	1.2 JT	2.3 T	2.65 JT
WR-VC-126	WLCDRD05VC126126	0.76 J	1.7 J	2 J	4.46 T	2	0.49 U	1 J	7.46 JT	2.76 JT	1.7 JT	3 JT
WR-VC-128	WLCDRD05VC128128	0.82 NJ	1.2 J	3.4 NJ	5.42 T	1.6 U	0.34 U	0.91 J	6.33 JT	0.82 JT	1.2 JT	4.31 JT
WR-VC-130	WLCDRD05VC130130	1.1	1.7 J	2.3 U	2.8 T	2.5	0.68 U	1.7	7 JT	3.6 T	1.7 JT	1.7 T
WR-VC-132	WLCDRD05VC132132	4.2 J	4.7 J	8 J	16.9 T	7.6 NJ	0.78 U	4.9	29.4 JT	11.8 JT	4.7 JT	12.9 JT
WR-VC-134	WLCDRD05VC134134	0.99 J	2 J	2.8 J	5.79 T	2.9 U	0.31 U	2.4	8.19 JT	0.99 JT	2 JT	5.2 JT
C01-03	WLCDRI03C01-03CSS01	7.6	4.4	2.3	14.3							
C04-06	WLCDRI03C04-06CSS02	2.6	3.8	2.1 UJ	7.45							
C07-08	WLCDRI03C07-08CSS03	4.7	4.6	7.3	16.6							
C09-11	WLCDRI03C09-11CSS04	2	2.6	0.34 U	4.6							
C12-14	WLCDRI03C12-14CSS05	1.6	2.6	1.1 UJ	4.2							
C15-17	WLCDRI03C15-17CSS06	1.3	2.7	1.3 UJ	4							
C18-20	WLCDRI03C18-20CSS07	0.88 J	1.7	0.35 U	2.58							
C21-23	WLCDRI03C21-23CSS08	0.82 J	1.7	0.33 U	2.52							
C24-26	WLCDRI03C24-26CSS09	2.2	3.6	0.33 U	5.8							
C27-29	WLCDRI03C27-29CSS10	1.4	2.9	1.6 P	5.9							
C30-32	WLCDRI03C30-32CSS11	1	2	0.32 U	3							
C33-35	WLCDRI03C33-35CSS12	0.84 JP	1.7	0.33 U	2.54							
C36-38	WLCDRI03C36-38CSS13	0.91 J	1.4	0.33 U	2.31							
C39-41	WLCDRI03C39-41CSS14	0.95 J	1.7	0.34 U	2.65							
C42-44	WLCDRI03C42-44CSS15	0.99	1.7	1.1 P	3.79							
C45-47	WLCDRI03C45-47CSS16	0.91 J	1.8	0.34 U	2.71							
C48-50	WLCDRI03C48-50CSS17	1.1 J	2	0.35 U	3.1							
C51-52	WLCDRI03C51-52CSS18	0.97 J	1.8	1.3 P	4.07							
HC-VC-53	WLCDRI03HCVC53CSS19	1.7	2.4	0.93 UJ	4.1							
WB-8	WLCEAF02WB08SO1915	3800	570 J	34000	38370 T							
WB-8	WLCEAF02WB08SO1917	470000	9000	510000 T	1399000 T							
WB-8	WLCEAF02WB08SO1919	95	7.1 U	330	425 T							
WB-8	WLCEAF02WB08SO1929	26	7 U	17	43 T							
WB-9	WLCEAF02WB09SO1931	1900	730	12000	14630 T							
WB-9	WLCEAF02WB09SO1934	240000	24000	2500000 T	4764000 T							
WB-9	WLCEAF02WB09SO1938	130 U	130 U	1900	1900 T							
WB-9	WLCEAF02WB09SO1945	20	6.6 U	240	260 T							
WB-10	WLCEAF02WB10SO1947	890 JT	175 T	4000 T	5070 T							
WB-10	WLCEAF02WB10SO1952	4600	660 J	15000	20260 T							
WB-10	WLCEAF02WB10SO1956	640000	4300 U	34500 T	659000 T							
WB-10	WLCEAF02WB10SO1961	28	6.6 U	6.6 U	28 T							
WB-11	WLCEAF02WB11SO1963	1300 J	400 J	3500 J	5200 T							
WB-11	WLCEAF02WB11SO1967	690000	5700 U	110000	800000 T							
WB-11	WLCEAF02WB11SO1971	36	6.4 U	6.4 U	36 T							
WB-12	WLCEAF02WB12SO1870	42 J	25 J	100 J	167 T							
WB-13	WLCEAF02WB13SO1896	8200	780	26000	34980 T							
WB-13	WLCEAF02WB13SO1901	460	75 U	610	1070 T							
WB-14	WLCEAF02WB14SO1906	810	150 J	1400	2360 T							
WB-14	WLCEAF02WB14SO1912	6.9 U	6.9 U	6.9 U	6.9 UT							
WB-15	WLCEAF02WB15SO1850	80 J	25 J	290 J	395 T							
WB-16	WLCEAF02WB16SO1867	39 J	11 UJ	130 J	169 T							
WB-17	WLCEAF02WB17SO1904	320 J	92 U	6100	6420 T							
WB-18	WLCEAF02WB18SO1888	1200	350	8000	9550 T							

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WB-18	WLCEAF02WB18SO1890	3600	650 J	33500 T	21250 T							
WB-18	WLCEAF02WB18SO1894	220	6.5 U	150	370 T							
WB-19	WLCEAF02WB19SO1885	310	100	620	1030 T							
WB-20	WLCEAF02WB20SO1882	24 J	11 UJ	67 J	91 T							
WB-21	WLCEAF02WB21SO1873	29 J	9.1 UJ	37 J	66 T							
WB-22	WLCEAF02WB22SO1879	14 U	8.1	15 U	8.1 T							
WB-23	WLCEAF02WB23SO1858	230	21 U	450	680 T							
WB-23	WLCEAF02WB23SO1864	11 U	6.7 U	6.7 U	11 UT							
WB-24	WLCEAF02WB24SO1972	130000	13000	3500000	3643000 T							
WB-24	WLCEAF02WB24SO1975	89 J	6.9 U	27000	27089 T							
WB-25	WLCEAF02WB25SO1978	350 JT	110 UJT	25600 JT	1550 T							
WB-25	WLCEAF02WB25SO1983	10	7.4 U	24	34 T							
WB-25	WLCEAF02WB25SO1985	6.9 UT	6.9 UT	12.5 T	12.5 T							
WB-25	WLCEAF02WB25SO1988	6.2 U	6.2 U	6.2 U	6.2 UT							
S1	WLCGXV99S1S1_30	6.7 U	6.7 U	6.7 U	6.7 UT							
S2	WLCGXV99S2S2_30	43.3 U	43.3 U	43.3 U	43.3 UT							
S3	WLCGXV99S3S3_30	32	20.1 U	20.1 U	32 T							
S3	WLCGXV99S3S3_30R	20.1 U	20.1 U	20.1 U	20.1 UT							
S4	WLCGXV99S4S4_30	19.2	13.9	6.7 U	33.1 T							
SDC-SS01	WLCITC03SS010007	5.5	4.7 J	5.2 UM	10.2 J							
SDC-SS01	WLCITC03SS010710C	0.11 U	0.13 U	0.22 U	0.22 U							
SDC-SS02	WLCITC03SS020013	20	17 J	6.3 UM	37 J							
SDC-SS02	WLCITC03SS021517C	0.1 U	0.13 U	0.22 U	0.22 U							
SDC-SS03R	WLCITC03SS03R0204C	0.11 U	0.13 U	0.23 U	0.23 U							
SDC-SS04	WLCITC03SS040008	2.4	4.1 J	3.4 UM	6.5 J							
SDC-SS05	WLCITC03SS050012	0.47 J	1.1 UM	4.1 UM	0.47 J							
SDC-SS05	WLCITC03SS051416C	0.11 U	0.13 U	0.22 U	0.22 U							
SDC-SS06	WLCITC03SS060007	0.5 J	0.13 U	2.6	3.1 J							
SDC-SS06	WLCITC03SS060810C	0.11 U	0.13 U	0.22 U	0.22 U							
CS001	WLCMRI02CS001CS001	57	8.8 J	27	92.8 T							
CS002	WLCMRI02CS002CS002	14	4.6	5.3	23.9 T							
CS003	WLCMRI02CS003CS003	74	11 J	57	142 T							
G04	WLCRIV99G04G04S03	0.4 J	0.4 J	2 U	0.8 T							
G04	WLCRIV99G04G04S07	0.3 J	0.3 J	2 U	0.6 T							
G04	WLCRIV99G04G04S08	2 U	0.2 J	2 U	0.2 T							
G05	WLCRIV99G05.566.5	0.8 J	1 J	2 U	1.8 T							
G05	WLCRIV99G055/7879	2 J	1 J	2 U	3 T							
G05	WLCRIV99G05G05S04	3.3 U	2.3 U	6.7 U	6.7 UT							
G05	WLCRIV99G05G05S05	3.3 U	2.3 U	6.7 U	6.7 UT							
G05	WLCRIV99G05HCG05C	3700	2800	670 U	6500 T							
G05	WLCRIV99G05HCG101	3.4	2.3 U	6.7 U	3.4 T							
G06A	WLCRIV99G06A06AS04	3.3 U	2.3 U	6.7 U	6.7 UT							
G06B	WLCRIV99G06B06BS13	4	5	4 U	9 T							
G06B	WLCRIV99G06B3940.5	1 J	2 J	2 U	3 T							
G06B	WLCRIV99G06B51.553	2 U	2 U	2 U	2 UT							
G06B	WLCRIV99G06B61.563	2 U	2 U	2 U	2 UT							
G06B	WLCRIV99G06BCG06BC	3.3	3.8	6.7 U	7.1 T							
G07	WLCRIV99G07G07S03	3.3 U	2.3 U	6.7 U	6.7 UT							
G07	WLCRIV99G07G07S05	17	7.7	730	754.7 T							
G07	WLCRIV99G07G07S19	4	4 U	4 J	8 T							
G07	WLCRIV99G07HCG07C	59	88	62	209 T							
G08	WLCRIV99G08.545.5	4	3	2 U	7 T							
G08	WLCRIV99G0856.558	2	2	2 U	4 T							
G08	WLCRIV99G0876.578	2 U	2 U	2 U	2 UT							
G08	WLCRIV99G08G08S03	3.3 U	2.3 U	6.7 U	6.7 UT							
G08	WLCRIV99G08HCG08C	14	4 U	9	23 T							
G08	WLCRIV99G08HCG100	3.3 U	2.3 U	6.7 U	6.7 UT							
G09	WLCRIV99G09.512.5	2 U	2 U	2 U	2 UT							
G09	WLCRIV99G091617.5	2 U	2 U	2 U	2 UT							
G09	WLCRIV99G092122.5	2 U	2 U	2 U	2 UT							

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
G10	WLCRIV99G10G10S04	2 J	2	0.4 U	4 T							
G10	WLCRIV99G10G10S05	0.8 J	2	2 U	2.8 T							
G10	WLCRIV99G10G10S12	2 U	2 U	2 U	2 UT							
G10	WLCRIV99G10G10S14	2 U	2 U	2 U	2 UT							
G11	WLCRIV99G1112.514	2 U	2 U	2 U	2 UT							
G12	WLCRIV99G1238.540	0.4 J	2 U	2 U	0.4 T							
G12	WLCRIV99G1248.550	2 J	2	2 U	4 T							
G12	WLCRIV99G125354.5	2 J	1 J	2 U	3 T							
G12	WLCRIV99G126869.5	0.8 J	0.69 J	2 U	1.49 T							
G12	WLCRIV99G127374.5	2 U	2 U	2 U	2 UT							
G12	WLCRIV99G12G12S11	0.3 J	2 U	2 U	0.3 T							
G13A	WLCRIV99G13A13AS02	3.3 U	2.3 U	6.7 U	6.7 UT							
G13A	WLCRIV99G13A13AS07	3.3 U	2.3 U	6.7 U	6.7 UT							
G13A	WLCRIV99G13A15.518	1 J	2 J	2 U	3 T							
G13A	WLCRIV99G13ACG13AC	7	8	7	22 T							
G13B	WLCRIV99G13B13BS07	3.3 U	2.6	6.7 U	2.6 T							
G13B	WLCRIV99G13B13BS17	3.3 U	2.3 U	6.7 U	6.7 UT							
G13B	WLCRIV99G13B13BS18	3.3 U	2.3 U	6.7 U	6.7 UT							
G13B	WLCRIV99G13B13BS19	3.3 U	2.3 U	6.7 U	6.7 UT							
G14	WLCRIV99G14G14S04	1 J	1 J	2 U	2 T							
G14	WLCRIV99G14G14S06	1 J	1 J	2 U	2 T							
G16	WLCRIV99G16G16S06	7	6	7	20 T							
G16	WLCRIV99G16G16S10	3	2	0.4 J	5.4 T							
G16	WLCRIV99G16G16S12	3	2	0.3 J	5.3 T							
T2-01-1	WLCT0F01T20101T2011A	1.7 U	2.1	6.5	8.6 T							
T2-01-1	WLCT0F01T20101T2011B	16 U	16 U	78	78 T							
T2-01-1	WLCT0F01T20101T2011C	5.6	3.8 J	17	26.4 T							
T2-01-2	WLCT0F01T20102T2012A	2.4	2.9	3.1	8.4 T							
T2-01-2	WLCT0F01T20102T2012B	1 J	1.8 J	5 U	2.8 T							
T5-01-1	WLCT0F01T50101T5011A	1.4 U	1.4 U	1.4 U	1.4 UT							
T5-01-2	WLCT0F01T50102T5012A	2.6	2.4	1.5 U	5 T							
B401-C1	WLCT0I98B401C1B401C1	14	5.8	460	479.8 T							
B401-C2	WLCT0I98B401C2B401C2	5.1	2.3 U	6.7 U	5.1 T							
B501-C1	WLCT0I98B501C1B501C1	9.9	5	6.7 U	14.9 T							
B501-C2	WLCT0I98B501C2B501C2	3.9	2.6	6.7 U	6.5 T							
IS-C1	WLCT0I98ISC1ISC1	20 U	20 U	20 U	20 UT							
IS-C2	WLCT0I98ISC2ISC2	2 U	2 U	2 U	2 UT							
T4-PS03	WLCT4C04PS03031113	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS03	WLCT4C04PS03031517	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS04	WLCT4C04PS04041012	2.1	0.5 J	0.52 U	2.6 T	0.83 U	0.5 U	1.2 U	2.6 JT	2.1 T	0.5 JT	1.2 UT
T4-PS04	WLCT4C04PS04041517	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-PS12	WLCT4C04PS12121012	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS12	WLCT4C04PS12121517	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS17	WLCT4C04PS17171012	0.94	0.45 J	2.8	4.19 T	0.73	0.44 U	0.44 U	4.92 JT	1.67 T	0.45 JT	2.8 T
T4-PS17	WLCT4C04PS17171517	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS20	WLCT4C04PS20201517	7.6	11 J	2.3 J	20.9 T	3.7	1.6 U	2.9 U	24.6 JT	11.3 T	11 JT	2.3 JT
T4-PS20	WLCT4C04PS20202022	0.83	1.7 J	2.4	4.93 T	0.8	0.4 U	1.9	7.63 JT	1.63 T	1.7 JT	4.3 T
T4-PS21	WLCT4C04PS21211517	0.93	0.41 U	0.43 U	0.93 T	0.41 U	0.41 U	0.41 U	0.93 T	0.93 T	0.41 UT	0.43 UT
T4-PS21	WLCT4C04PS21212022	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-PS22	WLCT4C04PS22221517	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-PS22	WLCT4C04PS22222022	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-PS28	WLCT4C04PS28281012	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-PS28	WLCT4C04PS28281517	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-PS31	WLCT4C04PS31.522.5	0.43	0.4 U	0.4 U	0.43 T	0.28 J	0.4 U	0.4 U	0.71 JT	0.71 JT	0.4 UT	0.4 UT
T4-PS31	WLCT4C04PS31311517	3.1	0.78 J	5.1	8.98 T	2.1	0.4 U	0.5	11.6 JT	5.2 T	0.78 JT	5.6 T
T4-PS32	WLCT4C04PS32321012	0.32 J	0.36 J	0.43 J	1.11 T	0.43 U	0.43 U	0.43 U	1.11 JT	0.32 JT	0.36 JT	0.43 JT
T4-PS32	WLCT4C04PS32321517	0.43 U	0.43 U	0.29 J	0.29 T	0.43 U	0.43 U	0.43 U	0.29 JT	0.43 UT	0.43 UT	0.29 JT
T4-PS33	WLCT4C04PS33331113	0.87 U	0.4 U	0.4 U	0.87 UT	0.4 U	0.4 U	0.4 U	0.87 UT	0.87 UT	0.4 UT	0.4 UT
T4-PS33	WLCT4C04PS33C33911	0.48 U	0.41 U	0.41 U	0.48 UT	0.41 U	0.41 U	0.41 U	0.48 UT	0.48 UT	0.41 UT	0.41 UT
T4-PS33	WLCT4C04PS33VC3357	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 UT	0.41 UT	0.41 UT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
T4-UP09	WLCT4C04UP09UP0902	2	3.1	0.4 U	5.1 T	1.2 J	0.4 U	0.4 U	6.3 JT	3.2 JT	3.1 T	0.4 UT
T4-UP10	WLCT4C04UP10UP1002	2.3	2.5	0.4 U	4.8 T	1.4	0.4 U	0.4 U	6.2 T	3.7 T	2.5 T	0.4 UT
T4-VC01	WLCT4C04VC01VC0113	1	0.44 U	4.3 U	1 T	5.2	0.43 U	3.7 J	9.9 JT	6.2 T	0.44 UT	3.7 JT
T4-VC01	WLCT4C04VC01VC0135	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-VC02	WLCT4C04VC02VC0213	2.6 J	4 U	9.9	12.5 T	4 U	4 U	8.8 J	21.3 JT	2.6 JT	4 UT	18.7 JT
T4-VC02	WLCT4C04VC02VC0235	0.4 U	0.4 U	0.099 J	0.099 T	0.4 U	0.4 U	0.4 U	0.099 JT	0.4 UT	0.4 UT	0.099 JT
T4-VC02	WLCT4C04VC02VC0257	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC02	WLCT4C04VC02VC0279	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC03	WLCT4C04VC03VC0313	0.4 U	0.4 U	0.12 J	0.12 T	0.4 U	0.4 U	0.4 U	0.12 JT	0.4 UT	0.4 UT	0.12 JT
T4-VC03	WLCT4C04VC03VC0335	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC03	WLCT4C04VC03VC0357	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC04	WLCT4C04VC04VC0413	2.9	4.1	13	20 T	1.4 J	0.4 U	0.4 U	21.4 JT	4.3 JT	4.1 T	13 T
T4-VC04	WLCT4C04VC04VC0435	0.34 J	0.35 J	0.53 J	1.22 T	0.4 U	0.4 U	0.4 U	1.22 JT	0.34 JT	0.35 JT	0.53 JT
T4-VC04	WLCT4C04VC04VC0457	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC04	WLCT4C04VC04VC0479	0.41 U	0.41 U	0.087 J	0.087 T	0.41 U	0.41 U	0.41 U	0.087 JT	0.41 UT	0.41 UT	0.087 JT
T4-VC05	WLCT4C04VC05VC0513	3.2	2.6 J	2.1	7.9 T	3.1 J	0.43 U	1.5 U	11 JT	6.3 JT	2.6 JT	2.1 T
T4-VC05	WLCT4C04VC05VC0535	0.99	1.1 J	0.77	2.86 T	0.92 J	0.41 U	0.39 J	4.17 JT	1.91 JT	1.1 JT	1.16 JT
T4-VC05	WLCT4C04VC05VC0557	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-VC05	WLCT4C04VC05VC0579	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-VC06	WLCT4C04VC06VC0613	1	1.5 J	1.1	3.6 T	1.1 J	0.4 U	0.49 J	5.19 JT	2.1 JT	1.5 JT	1.59 JT
T4-VC06	WLCT4C04VC06VC0635	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC06	WLCT4C04VC06VC0657	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC06	WLCT4C04VC06VC0679	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC07	WLCT4C04VC07VC0713	5.2	11 J	9.5	25.7 T	3 U	1.3	6.7	33.7 JT	5.2 T	12.3 JT	16.2 T
T4-VC07	WLCT4C04VC07VC0735	1.2	2.7 J	3.6 J	7.5 T	3 J	0.38 U	1.9	12.4 JT	4.2 JT	2.7 JT	5.5 JT
T4-VC07	WLCT4C04VC07VC0757	0.36 J	0.22 J	0.31 J	0.89 T	0.27 J	0.4 U	0.13 J	1.29 JT	0.63 JT	0.22 JT	0.44 JT
T4-VC07	WLCT4C04VC07VC0779	0.4 U	0.4 U	0.11 J	0.11 T	0.4 U	0.4 U	0.4 U	0.11 JT	0.4 UT	0.4 UT	0.11 JT
T4-VC08	WLCT4C04VC08C08911	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-VC08	WLCT4C04VC08VC0813	0.4 U	0.4 U	0.19 J	0.19 T	0.4 U	0.4 U	0.4 U	0.19 JT	0.4 UT	0.4 UT	0.19 JT
T4-VC08	WLCT4C04VC08VC0835	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC08	WLCT4C04VC08VC0857	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC08	WLCT4C04VC08VC0879	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
T4-VC09	WLCT4C04VC09C09911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC09	WLCT4C04VC09VC0913	2.4	3 J	3.9	9.3 T	3.9 J	0.48 U	2.2	15.4 JT	6.3 JT	3 JT	6.1 T
T4-VC09	WLCT4C04VC09VC0935	4.6	5.6 J	14	24.2 T	3.6 U	2.3 U	7.8	32 JT	4.6 T	5.6 JT	21.8 T
T4-VC09	WLCT4C04VC09VC0957	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UT	0.39 UT	0.39 UT	0.39 UT
T4-VC09	WLCT4C04VC09VC0979	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC10	WLCT4C04VC10101113	0.39 U	0.39 U	0.39 U	0.39 UT	0.4 U	0.39 U	0.39 U	0.4 UT	0.4 UT	0.39 UT	0.39 UT
T4-VC10	WLCT4C04VC10C10911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC10	WLCT4C04VC10VC1013	0.4 U	0.4 U	0.52	0.52 T	0.4 U	0.4 U	0.4 U	0.52 T	0.4 UT	0.4 UT	0.52 T
T4-VC10	WLCT4C04VC10VC1035	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC10	WLCT4C04VC10VC1057	0.4 U	0.4 U	0.4 U	0.4 UT	0.52 U	0.4 U	0.4 U	0.52 UT	0.52 UT	0.4 UT	0.4 UT
T4-VC10	WLCT4C04VC10VC1079	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC11	WLCT4C04VC11C11911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC11	WLCT4C04VC11VC1113	3	3.9	2 J	8.9 T	2.2 J	0.75 U	1.1 U	11.1 JT	5.2 JT	3.9 T	2 JT
T4-VC11	WLCT4C04VC11VC1135	1.4	0.89	2.9	5.19 T	1.3	0.4 U	0.98 U	6.49 T	2.7 T	0.89 T	2.9 T
T4-VC11	WLCT4C04VC11VC1157	0.4 U	0.4 U	0.07 J	0.07 T	0.4 U	0.4 U	0.4 U	0.07 JT	0.4 UT	0.4 UT	0.07 JT
T4-VC11	WLCT4C04VC11VC1179	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC12	WLCT4C04VC12VC1213	5	7.3	3.3	15.6 T	5.3 J	0.49 U	1.5 J	22.4 JT	10.3 JT	7.3 T	4.8 JT
T4-VC12	WLCT4C04VC12VC1235	9.5	15 J	7.1 J	31.6 T	5.6 J	3	4.9	45.1 JT	15.1 JT	18 JT	12 JT
T4-VC12	WLCT4C04VC12VC1257	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC12	WLCT4C04VC12VC1279	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC13	WLCT4C04VC13VC1313	0.4 U	0.4 U	1.7	1.7 T	2.3 J	0.4 U	0.45 U	4 JT	2.3 JT	0.4 UT	1.7 T
T4-VC13	WLCT4C04VC13VC1335	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC13	WLCT4C04VC13VC1357	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-VC13	WLCT4C04VC13VC1379	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 U	0.42 U	0.42 U	0.42 UT	0.42 UT	0.42 UT	0.42 UT
T4-VC14	WLCT4C04VC14VC1413	0.34 J	0.4 U	0.91	1.25 T	0.4 U	0.4 U	0.4 U	1.25 JT	0.34 JT	0.4 UT	0.91 T
T4-VC14	WLCT4C04VC14VC1435	0.88	0.88	1	2.76 T	0.7 J	0.39 U	0.39 U	3.46 JT	1.58 JT	0.88 T	1 T
T4-VC14	WLCT4C04VC14VC1457	1.6	2.7 J	3.3	7.6 T	3.4 J	0.64 J	1.9	13.5 JT	5 JT	3.34 JT	5.2 T
T4-VC14	WLCT4C04VC14VC1479	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
T4-VC15	WLCT4C04VC15C15911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC15	WLCT4C04VC15VC1513	4.8	9.5 J	13	27.3 T	11 J	2.3 U	6.6	44.9 JT	15.8 JT	9.5 JT	19.6 T
T4-VC15	WLCT4C04VC15VC1535	0.49	0.82 J	0.81	2.12 T	0.91	0.4 U	0.34 J	3.37 JT	1.4 T	0.82 JT	1.15 JT
T4-VC15	WLCT4C04VC15VC1557	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC15	WLCT4C04VC15VC1579	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC16	WLCT4C04VC16C16911	0.39 U	0.39 U	0.39 UJ	0.39 UT	0.39 U	0.39 U	0.39 U	0.39 UJT	0.39 UT	0.39 UT	0.39 UJT
T4-VC16	WLCT4C04VC16VC1613	1.6	1.4 J	3.3 J	6.3 T	1.7 J	0.44 U	0.96	8.96 JT	3.3 JT	1.4 JT	4.26 JT
T4-VC16	WLCT4C04VC16VC1635	0.48 U	0.48 U	0.48 UJ	0.48 UT	0.48 U	0.48 U	0.48 U	0.48 UJT	0.48 UT	0.48 UT	0.48 UJT
T4-VC16	WLCT4C04VC16VC1657	0.5 U	0.5 U	0.5 U	0.5 UT	0.5 U	0.5 U	0.5 U	0.5 UT	0.5 UT	0.5 UT	0.5 UT
T4-VC16	WLCT4C04VC16VC1679	0.4 U	0.4 U	0.4 UJ	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UJT	0.4 UT	0.4 UT	0.4 UJT
T4-VC17	WLCT4C04VC17VC1713	4.5	5.6 J	3.3	13.4 T	3.7 J	0.86 U	2.2 J	19.3 JT	8.2 JT	5.6 JT	5.5 JT
T4-VC17	WLCT4C04VC17VC1735	43	25 J	8.2 J	76.2 T	30	1.9 U	13 U	106 JT	73 T	25 JT	8.2 JT
T4-VC17	WLCT4C04VC17VC1757	0.41 U	0.41 U	0.62	0.62 T	0.41 U	0.41 U	0.41 U	0.62 T	0.41 UT	0.41 UT	0.62 T
T4-VC18	WLCT4C04VC18VC1813	4.4	3.8	1.9 J	10.1 T	2.9	0.4 U	1	14 JT	7.3 T	3.8 T	2.9 JT
T4-VC18	WLCT4C04VC18VC1835	7.5	9.3	1.5 U	16.8 T	3.7	0.87 U	1.5 U	20.5 T	11.2 T	9.3 T	1.5 UT
T4-VC18	WLCT4C04VC18VC1857	2.2	1.7	5.7	9.6 T	1.2	0.37 J	0.63 J	11.8 JT	3.4 T	2.07 JT	6.33 JT
T4-VC18	WLCT4C04VC18VC1879	12 J	1.1	0.75 J	13.85 T	4.4 J	0.4 U	0.4 U	18.3 JT	16.4 JT	1.1 T	0.75 JT
T4-VC19	WLCT4C04VC19C19911	1.3	0.4 U	0.25 J	1.55 T	0.72	0.4 U	0.4 U	2.27 JT	2.02 T	0.4 UT	0.25 JT
T4-VC19	WLCT4C04VC19VC1913	2.5 J	4.3 J	3 J	9.8 T	2.4 J	0.56 UJ	1.4 UJ	12.2 JT	4.9 JT	4.3 JT	3 JT
T4-VC19	WLCT4C04VC19VC1935	4.1	8.5	3.3	15.9 T	3 J	0.64 U	1.5 U	18.9 JT	7.1 JT	8.5 T	3.3 T
T4-VC19	WLCT4C04VC19VC1957	3.4	3.8	1.6	8.8 T	2.4 J	0.53 U	1.2	12.4 JT	5.8 JT	3.8 T	2.8 T
T4-VC19	WLCT4C04VC19VC1979	3.8	1.6 J	0.87 J	6.27 T	2.9	0.56	0.4 U	9.73 JT	6.7 T	2.16 JT	0.87 JT
T4-VC20	WLCT4C04VC20201113	8.4	6.3 J	2.8	17.5 T	5.2	1.6	2.5 U	24.3 JT	13.6 T	7.9 JT	2.8 T
T4-VC20	WLCT4C04VC20C20911	8.4	14 J	12	34.4 T	3.9 U	1.7 U	8.2	42.6 JT	8.4 T	14 JT	20.2 T
T4-VC20	WLCT4C04VC20VC2013	2.6	3.7	0.4 U	6.3 T	1.5 J	0.4 U	0.49 U	7.8 JT	4.1 JT	3.7 T	0.49 UT
T4-VC20	WLCT4C04VC20VC2035	2.9	3.3	1.8 J	8 T	1.8 J	0.48 U	0.67 U	9.8 JT	4.7 JT	3.3 T	1.8 JT
T4-VC20	WLCT4C04VC20VC2057	4.3	6.8 J	4.8	15.9 T	4.9 J	0.87 U	3	23.8 JT	9.2 JT	6.8 JT	7.8 T
T4-VC20	WLCT4C04VC20VC2079	7.6	11 J	16	34.6 T	8.3 J	2 U	4.8	47.7 JT	15.9 JT	11 JT	20.8 T
T4-VC21	WLCT4C04VC21211113	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.25 J	0.25 JT	0.4 UT	0.4 UT	0.25 JT
T4-VC21	WLCT4C04VC21C21911	7.7	6.7 J	2.6	17 T	3.7	1.3 U	1.8 U	20.7 JT	11.4 T	6.7 JT	2.6 T
T4-VC21	WLCT4C04VC21VC2113	3.8	4.1	0.4 U	7.9 T	1.3	0.4 U	0.4 U	9.2 T	5.1 T	4.1 T	0.4 UT
T4-VC21	WLCT4C04VC21VC2135	1.8	3.8	2.7	8.3 T	2 J	0.4 U	1.2	11.5 JT	3.8 JT	3.8 T	3.9 T
T4-VC21	WLCT4C04VC21VC2157	5.7	9.5 J	5.5	20.7 T	5.9 J	0.63 U	3.3	29.9 JT	11.6 JT	9.5 JT	8.8 T
T4-VC21	WLCT4C04VC21VC2179	7.5	10	3.1	20.6 T	4.1	1.3 U	1.8 J	26.5 JT	11.6 T	10 T	4.9 JT
T4-VC22	WLCT4C04VC22C22911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC22	WLCT4C04VC22VC2213	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC22	WLCT4C04VC22VC2235	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC22	WLCT4C04VC22VC2257	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC22	WLCT4C04VC22VC2279	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC23	WLCT4C04VC23C23911	0.48 U	0.48 U	0.24 J	0.24 T	0.48 U	0.48 U	0.63 U	0.24 JT	0.48 UT	0.48 UT	0.24 JT
T4-VC23	WLCT4C04VC23VC2313	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC23	WLCT4C04VC23VC2335	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC23	WLCT4C04VC23VC2357	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC23	WLCT4C04VC23VC2379	0.55 U	0.4 U	0.4 U	0.55 UT	0.4 U	0.4 U	0.4 U	0.55 UT	0.55 UT	0.4 UT	0.4 UT
T4-VC24	WLCT4C04VC24241113	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 U	0.43 U	0.43 U	0.43 UT	0.43 UT	0.43 UT	0.43 UT
T4-VC24	WLCT4C04VC24C24911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC24	WLCT4C04VC24VC2413	1.5	1.2	0.4 U	2.7 T	1	0.4 U	0.61 J	4.31 JT	2.5 T	1.2 T	0.61 JT
T4-VC24	WLCT4C04VC24VC2435	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC24	WLCT4C04VC24VC2457	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC24	WLCT4C04VC24VC2479	0.4 U	0.4 U	0.12 J	0.12 T	0.4 U	0.4 U	0.4 U	0.12 JT	0.4 UT	0.4 UT	0.12 JT
T4-VC25	WLCT4C04VC25C25911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC25	WLCT4C04VC25VC2513	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC25	WLCT4C04VC25VC2535	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC25	WLCT4C04VC25VC2557	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC25	WLCT4C04VC25VC2579	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC26	WLCT4C04VC26V2613	3.1	3.7	1.7	8.5 T	2.1	0.62 U	0.93 J	11.5 JT	5.2 T	3.7 T	2.63 JT
T4-VC26	WLCT4C04VC26VC2635	3.3	4.7 J	13	21 T	4.2 J	0.4 U	3.1 J	28.3 JT	7.5 JT	4.7 JT	16.1 JT
T4-VC26	WLCT4C04VC26VC2657	1.8	2.2 J	1.5	5.5 T	2.1 J	0.41 U	1	8.6 JT	3.9 JT	2.2 JT	2.5 T
T4-VC26	WLCT4C04VC26VC2679	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 UT	0.41 UT	0.41 UT
T4-VC27	WLCT4C04VC27VC2713	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
T4-VC27	WLCT4C04VC27VC2735	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC27	WLCT4C04VC27VC2757	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 UT	0.41 UT	0.41 UT
T4-VC27	WLCT4C04VC27VC2779	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC28	WLCT4C04VC28VC2813	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC28	WLCT4C04VC28VC2835	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC28	WLCT4C04VC28VC2857	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC28	WLCT4C04VC28VC2879	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC29	WLCT4C04VC29C29911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC29	WLCT4C04VC29VC2913	64 J	4.1	90	158.1 T	16	0.67 U	24 U	174 JT	80 JT	4.1 T	90 T
T4-VC29	WLCT4C04VC29VC2935	2.5	1.8	1.6	5.9 T	1.8 J	0.4 U	0.4 U	7.7 JT	4.3 JT	1.8 T	1.6 T
T4-VC29	WLCT4C04VC29VC2957	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC29	WLCT4C04VC29VC2979	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC30	WLCT4C04VC30C30911	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 UT	0.4 UT	0.4 UT
T4-VC30	WLCT4C04VC30VC3013	2.4	4.3	3	9.7 T	2.5 J	0.4 U	1.4 J	13.6 JT	4.9 JT	4.3 T	4.4 JT
T4-VC30	WLCT4C04VC30VC3035	10	10	6.8	26.8 T	7.7 J	1.6 U	3.7 J	38.2 JT	17.7 JT	10 T	10.5 JT
T4-VC30	WLCT4C04VC30VC3057	10	8.9	4.2	23.1 T	5	1.4 U	2.2	30.3 T	15 T	8.9 T	6.4 T
T4-VC30	WLCT4C04VC30VC3079	12	15 J	5.2	32.2 T	6.1 J	2.2 U	2.2 J	40.5 JT	18.1 JT	15 JT	7.4 JT
T4-VC31	WLCT4C04VC31C31911	0.4 U	0.22 J	0.4 U	0.22 T	0.4 U	0.4 U	0.4 U	0.22 JT	0.4 UT	0.22 JT	0.4 UT
T4-VC31	WLCT4C04VC31VC3113	2	3.3	2.1	7.4 T	1.7	0.4 U	0.71 U	9.1 T	3.7 T	3.3 T	2.1 T
T4-VC31	WLCT4C04VC31VC3135	4.4	5.3	4.3	14 T	3.8 J	0.63 U	2.1	19.9 JT	8.2 JT	5.3 T	6.4 T
T4-VC31	WLCT4C04VC31VC3157	12	5.3	1.6	18.9 T	10	1.2 J	1.3 J	31.4 JT	22 T	6.5 JT	2.9 JT
T4-VC31	WLCT4C04VC31VC3179	0.4 U	0.4 U	0.4 U	0.4 UT	0.4 U	0.4 U	0.25 J	0.25 JT	0.4 UT	0.4 UT	0.25 JT
T4-VC32	WLCT4C04VC32VC3213	4.5	4.9	4	13.4 T	3	0.79 U	1.3 J	17.7 JT	7.5 T	4.9 T	5.3 JT
T4-VC32	WLCT4C04VC32VC3235	3.7	3.6	2.8	10.1 T	2.5	0.69 U	0.66 U	12.6 T	6.2 T	3.6 T	2.8 T
T4-VC32	WLCT4C04VC32VC3257	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 U	0.41 U	0.41 U	0.41 UT	0.41 UT	0.41 UT	0.41 UT
T4-VC32	WLCT4C04VC32VC3279	0.46 U	0.46 U	0.46 U	0.46 UT	0.46 U	0.46 U	0.46 U	0.46 UT	0.46 UT	0.46 UT	0.46 UT
C104105	WLCT4J97104105B41603	5.93	3.6	4.82	14.35 T							
HC-VC-102	WLCT4J97CVC102B41601	1 U	1 U	1 U	1 UT							
HC-VC-102	WLCT4J97CVC102B41604	1.84	1 U	1 U	1.84 T							
HC-VC-103	WLCT4J97CVC103B41602	4.38	4.08	1 U	8.46 T							
T4COMP	WLCT4L01T4COMPCOMP	2.85 T	2.65 T	1.3 JT	6.15 T							
T4-VC-01	WLCT4L01T4VC01T4011A	5.7	4.7	2 U	10.4 T							
T4-VC-01	WLCT4L01T4VC01T4011B	6.1 P	5.6	10	21.7 T							
T4-VC-01	WLCT4L01T4VC01T4011C	9.4	4.2	5.4 P	19 T							
T4-VC-02	WLCT4L01T4VC02T4012A	4.8 J	4.4 UJ	18 UJ	4.8 T							
T4-VC-02	WLCT4L01T4VC02T4012B	6.1	5.3 U	5.3 U	6.1 T							
T4-VC-03	WLCT4L01T4VC03T4013A	13	17	4.5 P	34.5 T							
HC-VC-B501-03	WLCT5K99B50103argeC1	5 U	5 U	5 U	5 UT							
HC-B501-C1	WLCT5K99B501C1B501C1	5 U	5 U	5 U	5 UT							
HC-B503-C1	WLCT5K99B503C1B503C1	5 U	5 U	5 U	5 UT							
WR-VC-01	WLR0499WRVC01WRVC01	3.4 U	3.4 U	3.4 U	3.4 UT							
WR-VC-02	WLR0499WRVC02WRVC02	5.4	5.9	3.7 U	11.3 T							
WR-VC-03	WLR0499WRVC03WRVC03	4.3 U	4.3 U	4.3 U	4.3 UT							
WR-VC-04	WLR0499WRVC04WRVC04	3.2 U	3.2 U	3.2 U	3.2 UT							
WR-VC-05	WLR0499WRVC05WRA	3.9 U	3.9 U	3.9 U	3.9 UT							
WR-VC-05	WLR0499WRVC05WRVC05	3.3 U	3.3 U	3.3 U	3.3 UT							
WR-VC-06	WLR0499WRVC06WRVC06	3.4 U	3.4 U	3.4 U	3.4 UT							
WR-VC-07	WLR0499WRVC07WRVC07	3.5 U	3.5 U	3.5 U	3.5 UT							
WR-VC-08	WLR0499WRVC08WRVC08	3.5 U	3.5 U	3.5 U	3.5 UT							
WR-VC-08	WLR0499WRVC08WRVC8C	3.1	4	2.8 U	7.1 T							
WR-VC-09	WLR0499WRVC09WRVC09	3.4 U	5.9	3.4 U	5.9 T							
WR-BC-03	WLR0797WRBC03WRBC03	0.7	0.4	2 U	1.1 T							
WR-CD-40	WLR0797WRCD40RCD40A	19	4	2 U	23 T							
WR-CD-41	WLR0797WRCD41RCD41A	0.4	0.5	2 U	0.9 T							
WR-CD-41	WLR0797WRCD41RCD41B	2 U	1	1	2 T							
WR-CD-42	WLR0797WRCD42RCD42A	0.8	1	2 U	1.8 T							
WR-CD-42	WLR0797WRCD42RCD42B	2	0.5	0.6	3.1 T							
WR-CD-42	WLR0797WRCD42RCD42C	0.8	2	2 U	2.8 T							
WR-CD-42	WLR0797WRCD42RCD42D	3	2	2 U	5 T							
WR-CD-43	WLR0797WRCD43RCD43A	1	2 U	2	3 T							

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WR-CD-43	WLR0797WRCD43RCD43B	2 U	2 U	2 U	2 UT							
WR-CD-43	WLR0797WRCD43WRD	0.3	2 U	2 U	0.3 T							
WR-GC-02	WLR0797WRGC02RGC02A	1	0.7	2 U	1.7 T							
WR-GC-02	WLR0797WRGC02RGC02B	2 U	2 U	2 U	2 UT							
WR-GC-04	WLR0797WRGC04RGC04A	5	7	2 U	12 T							
WR-GC-04	WLR0797WRGC04RGC04B	7	4	2 U	11 T							
WR-GC-05	WLR0797WRGC05RGC05A	2 U	2 U	2 U	2 UT							
WR-GC-05	WLR0797WRGC05RGC05B	2 U	2 U	2 U	2 UT							
WR-GC-06	WLR0797WRGC06RGC06A	2 U	2 U	2 U	2 UT							
WR-GC-06	WLR0797WRGC06RGC06B	2 U	2 U	2 U	2 UT							
WR-GC-11	WLR0797WRGC11RGC11A	2	2	2 U	4 T							
WR-GC-18	WLR0797WRGC18RGC18A	2	2	0.8	4.8 T							
WR-GC-19	WLR0797WRGC19RGC19A	2 U	2 U	2 U	2 UT							
WR-GC-24	WLR0797WRGC24RGC24A	100	4	94	198 T							
WR-GC-24	WLR0797WRGC24RGC24B	0.2	2 U	2	2.2 T							
WR-GC-25	WLR0797WRGC25RGC25A	4	3	2 U	7 T							
WR-GC-30	WLR0797WRGC30RGC30A	1	1	0.8	2.8 T							
WR-GC-31	WLR0797WRGC31RGC31A	0.8	1	0.5	2.3 T							
WR-GC-32	WLR0797WRGC32RGC32A	0.7	1	4	5.7 T							
WR-GC-33	WLR0797WRGC33RGC33A	1	2	0.3	3.3 T							
WR-GC-34	WLR0797WRGC34RGC34A	2	2	2 U	4 T							
WR-GC-35	WLR0797WRGC35RGC35A	4	4	2 U	8 T							
WR-GC-37	WLR0797WRGC37RGC37A	0.4	2 U	0.2	0.6 T							
WR-GC-38	WLR0797WRGC38RGC38A	2 U	2 U	2 U	2 UT							
WR-GC-39	WLR0797WRGC39RGC39A	2 U	2 U	2 U	2 UT							
CR-VC-01	WLR1199CRVC01RVC01R	2.4 U	2.4 U	2.4 U	2.4 UT							
WR-VC-02	WLR1199WRVC02WRVC02	2.9 J	2.5 J	3.4 U	5.4 T							
WR-VC-03	WLR1199WRVC03WRVC03	2.2 J	3.5	3.5 U	5.7 T							
WR-VC-04	WLR1199WRVC04WRVC04	1.2 J	1.8 J	3.5 U	3 T							
WR-VC-05	WLR1199WRVC05WRVC05	2.1 J	3.3	3.2 U	5.4 T							
WR-VC-06	WLR1199WRVC06C06ABC	3.2 U	2.9 J	3.2 U	2.9 T							
WR-VC-06	WLR1199WRVC06RVC06D	2.9 U	5.3	2.9 U	5.3 T							
WR-VC-07	WLR1199WRVC07C07ABC	2.9 U	5.4	3.4	8.8 T							
WR-VC-07	WLR1199WRVC07RVC07D	2.6 U	5.4	10	15.4 T							
OSS001	WLRELF99OSS001SD0004	1770	226	1060	3056 T							
OSS002	WLRELF99OSS002SDC001	5200	356	17000	22556 T							
OSS003	WLRELF99OSS003SD0022	735	25 U	2800	3535 T							
OSS004	WLRELF99OSS004SD0013	16000	1840	400 U	17840 T							
OSS005	WLRELF99OSS005SDC002	147	10 U	216	363 T							
OSS006	WLRELF99OSS006SD0017	4100	1180	11000	16280 T							
RB1	WLRELF99RB1SD1002	96	100	590	786 T							
RB2	WLRELF99RB2SD1004	360	310	1300	1970 T							
RB3	WLRELF99RB3SD1006	75	110	2000	2185 T							
RB4	WLRELF99RB4SD1008	18	28	2600	2646 T							
RB5	WLRELF99RB5SD1010	10 U	58	64	122 T							
RB6	WLRELF99RB6SD1012	28	71	360	459 T							
RB6	WLRELF99RB6SD1014	35	100	390	525 T							
SD001	WR-WSI98SD0010000A	36 J	9.4 J	62 J	107.4 T							
SD035	WR-WSI98SD0350000A	23 J	7.1 UIJ	18 J	41 T							
SD048	WR-WSI98SD048000ACC	7.5 JT	3.35 JT	9.25 JT	20.1 T							
SD049	WR-WSI98SD0490000A	2.5 NJ	2.7 NJ	2 UJ	5.2 T							
SD055C	WR-WSI98SD055C0000A	61	17 U	33	94 T							
SD057	WR-WSI98SD0570000A	2 U	2 U	5 J	5 T							
SD072	WR-WSI98SD0720000A	16	5.5	17	38.5 T							
SD074	WR-WSI98SD0740000A	4.8 J	2.8 J	15 J	22.6 T							
SD081C	WR-WSI98SD081C0000A	82	5.4 UI	48	130 T							
SD084	WR-WSI98SD084000ACC	4550 T	750 UT	1800 T	6350 T							
SD090	WR-WSI98SD0900000A	170	160 U	1100	1270 T							
SD092	WR-WSI98SD0920000A	29000	7500 U	22000	51000 T							
SD096	WR-WSI98SD0960000A	7.6	3.1 UI	5.6 UIJ	7.6 T							

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Table C2-17. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Subsurface Sediment Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
SD106	WR-WSI98SD1060000A	2.2 J	2 J	2.9 UIJ	4.2 T							
SD116	WR-WSI98SD1160000A	2.2 J	2.3 J	2 UJ	4.5 T							
SD117	WR-WSI98SD1170000A	20	5.2	22	47.2 T							
SD138	WR-WSI98SD1380000A	1.9 UJ	1.9 UJ	2.7 UIJ	2.7 UT							
SD141	WR-WSI98SD1410000A	3.3 J	2.6 UIJ	3.1 UIJ	3.3 T							
SD150	WR-WSI98SD1500000A	1.9 U	1.9 U	4.4	4.4 T							
SD151	WR-WSI98SD1510000A	3.5 UI	2.3 UI	7.2 UI	7.2 UT							

Notes:
E - Estimated.
G - Estimate is greater than value shown.
I - the MRL/MDL has been elevated due to a chromatographic interference.
J - The associated numerical value is an estimated quantity.
M - Mean.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
P - GC/HPLC criteria exceeded RPD>40% (>25% CLP pesticides).
R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
C009	LW2-C009-B	0.0299 UJ	0.0189 UJ	0.0162 UJ	2.05 NJ	0.0326 UJ	2.05 JT
C009	LW2-C009-C	0.0419 U	0.108 J	0.0227 U	0.0525 U	0.0457 U	0.108 JT
C011-1	LW2-C011-B1	0.0359 UJT	0.0227 UJT	0.0194 UJT	0.22 UJT	0.0391 UJT	0.22 UJT
C011-2	LW2-C011-B2	0.034 U	0.0215 U	0.0184 U	0.0426 U	0.0371 U	0.0426 UT
C011-1	LW2-C011-C1	0.814 JT	0.429 NJT	0.0242 UJT	0.306 JT	0.0487 UJT	1.55 JT
C011-2	LW2-C011-C2	0.368 U	0.232 U	0.199 U	0.461 U	0.401 U	0.461 UT
C011-1	LW2-C011-D1	0.362 UJT	0.229 UJT	0.196 UJT	0.454 UJT	0.395 UJT	0.454 UJT
C011-2	LW2-C011-D2	1.12 J	0.47 NJ	0.0243 U	0.467 NJ	0.0489 U	2.06 JT
C011-2	LW2-C011-E2	0.0348 U	0.0219 U	0.0188 U	0.0435 U	0.0379 U	0.0435 UT
C011-1	LW2-C011-F1	0.072 U	0.074 U	0.099 U	0.14 U	0.056 J	0.056 JT
C015	LW2-C015-B	0.598 J	0.299 NJ	0.0235 UJ	4 NJ	0.0474 UJ	4.9 JT
C015	LW2-C015-C	0.354 U	0.299 J	0.192 U	0.443 U	0.386 U	0.299 JT
C015	LW2-C015-D	0.411 U	0.26 U	0.222 U	0.514 U	0.448 U	0.514 UT
C015	LW2-C015-E	0.18 U	0.2 U	0.091 U	0.21 U	0.13 U	0.21 UT
C019-1	LW2-C019-B1	0.0324 U	0.0204 U	0.0175 U	1.26 NJ	0.0353 U	1.26 JT
C019-1	LW2-C019-C1	0.342 U	0.216 U	0.185 U	0.429 U	0.373 U	0.429 UT
C019-1	LW2-C019-D1	1.3 U	4.5 U	0.45 U	6 NJ	1.3 U	6 JT
C019-2	LW2-C019-E2	0.071 U	0.072 U	0.097 U	0.089 U	0.048 U	0.097 UT
C020	LW2-C020-B	0.364 J	0.255 NJ	0.0253 U	1.26 NJ	0.051 U	1.88 JT
C020	LW2-C020-C	1.55 J	0.814 NJ	0.0916 U	4.47 NJ	0.184 U	6.83 JT
C020	LW2-C020-D	1 U	15	1 U	5.8 U	2.8 U	15 T
C022	LW2-C022-B	0.737 J	0.524 J	0.0264 U	0.275 J	0.773 J	2.31 JT
C022	LW2-C022-C	0.527 J	0.292 NJ	0.0273 U	0.308 J	0.476 NJ	1.6 JT
C025-1	LW2-C025-B1	0.0355 U	0.0224 U	0.0192 U	0.0445 U	0.0387 U	0.0445 UT
C025-1	LW2-C025-C1	0.0429 U	0.0271 U	0.0232 U	0.0538 U	0.0468 U	0.0538 UT
C025-2	LW2-C025-D2	0.0349 UJ	0.022 UJ	0.0189 UJ	0.0437 UJ	0.038 UJ	0.0437 UJT
C027	LW2-C027-B	0.091 J	0.0237 UJ	0.0203 UJ	0.0469 UJ	0.0408 UJ	0.091 JT
C027	LW2-C027-C	0.0415 UJ	0.0262 UJ	0.0225 UJ	0.052 UJ	0.0452 UJ	0.052 UJT
C034	LW2-C034-B	0.0353 UJ	0.0223 UJ	0.14 NJ	0.0442 UJ	0.0385 UJ	0.14 JT
C034	LW2-C034-C	0.0356 UJ	0.0225 UJ	0.0192 UJ	0.0445 UJ	0.0388 UJ	0.0445 UJT
C034	LW2-C034-E	0.0358 UJ	0.0226 UJ	0.0194 UJ	0.0448 UJ	0.039 UJ	0.0448 UJT
C034	LW2-C034-F	0.072 UJ	0.074 UJ	0.099 U	0.18 U	0.046 U	0.18 UT
C038	LW2-C038-B	0.0358 U	0.0226 UJ	0.0194 U	0.0448 UJ	0.039 U	0.0448 UJT
C038	LW2-C038-C	0.0334 U	0.0211 UJ	0.0181 U	0.0418 UJ	0.0364 U	0.0418 UJT
C038	LW2-C038-D	0.046 J	0.0254 UJ	0.0217 UJ	0.0503 UJ	0.0438 UJ	0.046 JT
C060	LW2-C060-B	5.75 NJ	0.262 NJ	0.123 UJ	0.285 UJ	0.248 UJ	6.01 JT
C060	LW2-C060-C	3.25 NJ	0.146 UJ	0.125 UJ	0.959 NJ	0.253 UJ	4.21 JT
C061	LW2-C061-C	0.074 UJ	0.91 UJ	0.15 J	1.1 U	0.2 U	0.15 JT
C061	LW2-C061-E	0.065 UJ	0.066 UJ	0.089 U	0.064 U	0.041 U	0.089 UT
C062	LW2-C062-B	0.0335 U	0.0212 UJ	0.0182 U	0.042 UJ	0.0366 U	0.042 UJT
C062	LW2-C062-C	0.0359 U	0.0226 UJ	0.0194 U	0.0449 UJ	0.0391 U	0.0449 UJT
C062	LW2-C062-D	0.0355 U	0.0224 UJ	0.0192 U	0.0444 UJ	0.0387 U	0.0444 UJT
C064	LW2-C064-B	0.226 UJ	0.143 UJ	0.123 UJ	0.284 UJ	0.247 UJ	0.284 UJT
C064	LW2-C064-C	0.0402 UJ	0.0254 UJ	0.0218 UJ	0.0503 UJ	0.0438 UJ	0.0503 UJT
C066	LW2-C066-B	0.0406 UJ	0.0256 UJ	0.022 UJ	0.0508 UJ	0.0443 UJ	0.0508 UJT
C066	LW2-C066-C	0.157 NJ	0.0246 UJ	0.0211 UJ	0.0488 UJ	0.0425 UJ	0.157 JT
C066	LW2-C066-F	0.08 UJ	0.081 UJ	0.11 U	0.15 U	0.068 U	0.15 UT
C067	LW2-C067-B	0.392 J	0.301 NJ	0.0243 U	0.447 NJ	0.329 NJ	1.47 JT
C067	LW2-C067-D	0.23 U	0.414 J	0.125 U	0.288 UJ	0.251 U	0.414 JT
C067	LW2-C067-E	0.204 U	0.129 U	0.111 U	0.256 UJ	0.223 U	0.256 UJT
C073	LW2-C073-B	0.0354 UJ	0.0224 UJ	0.0192 UJ	0.0444 UJ	0.0386 UJ	0.0444 UJT
C073	LW2-C073-C	0.309 J	0.24 NJ	0.106 UJ	0.246 UJ	0.214 UJ	0.549 JT
C073	LW2-C073-D	0.166 UJ	0.105 UJ	0.0897 UJ	0.207 UJ	0.181 UJ	0.207 UJT
C074	LW2-C074-B	0.292	0.182 J	0.0231 U	0.153 J	0.145 J	0.772 JT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
C074	LW2-C074-C	0.176 U	0.111 U	0.0955 U	0.221 UJ	0.192 U	0.221 UJT
C074	LW2-C074-D	0.039 U	0.0246 U	0.0211 U	0.0488 UJ	0.0425 U	0.0488 UJT
C074	LW2-C074-F	0.0356 U	0.0225 U	0.0193 U	0.0445 U	0.0388 U	0.0445 UT
C077	LW2-C077-C	0.19 UJ	0.12 UJ	0.103 UJ	0.238 UJ	0.207 UJ	0.238 UJT
C077	LW2-C077-D	0.0414 UJ	0.0261 UJ	0.0224 UJ	0.0518 UJ	0.0451 UJ	0.0518 UJT
C078	LW2-C078-B	0.07 U	0.071 U	0.095 U	0.09 U	0.044 U	0.095 UT
C078	LW2-C078-C	0.07 U	0.071 U	0.095 U	0.068 U	0.044 U	0.095 UT
C079	LW2-C079-B	0.076 U	0.077 U	0.11 U	0.074 U	0.048 U	0.11 UT
C079	LW2-C079-C	0.071 U	0.073 U	0.097 U	0.07 U	0.045 U	0.097 UT
C080	LW2-C080-B	0.2 U	0.88 U	0.085 U	0.32 U	0.2 U	0.88 UT
C080	LW2-C080-C	0.063 U	0.086 U	0.085 UJ	0.17 UJ	0.11 UJ	0.17 UJT
C082	LW2-C082-B1	0.067 UJ	0.51 J	0.095 U	0.85 U	0.18 NJ	0.69 JT
C082-2	LW2-C082-B2	0.066 UT	0.57 T	0.15 UJT	0.2 UJT	0.22 UJT	0.57 T
C082	LW2-C082-C1	0.064 UJ	0.065 UJ	0.087 U	0.063 U	0.041 U	0.087 UT
C082-2	LW2-C082-C2	0.064 UT	0.15 JT	0.087 UT	0.062 UT	0.04 UT	0.15 JT
C082	LW2-C082-D1	0.056 U	0.057 U	0.2 U	0.055 U	0.036 U	0.2 UT
C082-2	LW2-C082-D2	0.061 UT	0.062 UT	0.083 UT	0.059 UT	0.039 UT	0.083 UT
C083	LW2-C083-B	0.27 U	3 J	0.11 U	0.38 U	1.1 U	3 JT
C083	LW2-C083-C	0.2 U	3.2 J	0.095 U	0.37 U	0.23 U	3.2 JT
C084	LW2-C084-B	0.47 U	3.6 J	0.17 U	0.45 U	0.2 U	3.6 JT
C084	LW2-C084-C	0.12 U	0.52 U	0.099 U	0.2 U	0.2 U	0.52 UT
C084	LW2-C084-D	0.072 U	0.073 U	0.098 U	0.08 U	0.045 U	0.098 UT
C086	LW2-C086-B	0.141 NJ	0.0289 UJ	0.0248 UJ	0.0573 UJ	0.0499 UJ	0.141 JT
C086	LW2-C086-C	0.0301 UJ	0.019 UJ	0.0163 UJ	0.0377 UJ	0.0328 UJ	0.0377 UJT
C087	LW2-C087-B	0.35 U	2.7 J	0.12 U	0.38 U	0.28 U	2.7 JT
C087	LW2-C087-C	0.066 U	0.25	0.09 U	0.2 U	0.042 U	0.25 T
C088	LW2-C088-B	0.29 U	2 J	0.11 U	0.36 U	0.2 U	2 JT
C088	LW2-C088-C	0.059 U	0.21 U	0.08 U	0.058 U	0.037 U	0.21 UT
C089	LW2-C089-B	0.43 UJ	74 J	0.5 U	1.9 U	23 U	74 JT
C089	LW2-C089-C	0.2 UJ	1.2 UJ	0.085 U	0.2 U	0.53 U	1.2 UJT
C089	LW2-C089-D	0.073 UJ	0.074 UJ	0.099 U	0.071 U	0.046 U	0.099 UT
C090	LW2-C090-B	0.25 U	3.6 J	0.11 U	0.41 U	1.1 U	3.6 JT
C090	LW2-C090-C	0.06 U	0.13 J	0.082 U	0.32 U	0.038 U	0.13 JT
C091	LW2-C091-B	0.5 U	3.4 J	0.18 J	0.44 U	0.21 U	3.58 JT
C091	LW2-C091-C	0.43 U	4.2 J	0.12 U	0.52 U	0.33 NJ	4.53 JT
C091	LW2-C091-D	0.065 U	0.068 U	0.088 U	0.063 U	0.041 U	0.088 UT
C092	LW2-C092-B	6.2 UJ	460 J	5.1 U	650 U	150 U	460 JT
C092	LW2-C092-C	4.9 UJ	490 NJ	2.1 U	330 U	120 U	490 JT
C092	LW2-C092-D	0.43 UJ	1.4 J	0.098 U	1.6 U	0.2 U	1.4 JT
C092	LW2-C092-E	0.073 UJ	0.074 UJ	0.099 U	0.071 U	0.046 U	0.099 UT
C093	LW2-C093-B	0.609 U	0.385 U	0.33 U	5.3 J	0.664 U	5.3 JT
C093	LW2-C093-C	0.0356 U	0.0225 U	0.0193 U	0.0446 U	0.0388 U	0.0446 UT
C094	LW2-C094-B	0.92 U	22 J	1.3 U	3.2 U	13 U	22 JT
C094	LW2-C094-C	0.075 U	0.12 U	0.11 U	0.074 U	0.048 U	0.12 UT
C096	LW2-C096-B	0.2 U	6.1 J	0.36 U	0.55 U	2.9 U	6.1 JT
C096	LW2-C096-C	0.065 U	0.067 U	0.089 U	0.064 U	0.042 U	0.089 UT
C099	LW2-C099-B	1.1 U	7.5 J	0.13 U	0.33 U	0.29 U	7.5 JT
C099	LW2-C099-C	1.7 U	13 NJ	2.3 U	2.7 U	2.8 U	13 JT
C103	LW2-C103-B	0.086 UJ	1.4 UJ	0.13 J	0.33 U	0.23 U	0.13 JT
C103	LW2-C103-D	0.2 UJ	1.4 UJ	0.56 NJ	0.71 U	0.2 U	0.56 JT
C103	LW2-C103-E	0.064 UJ	0.27 UJ	0.087 UJ	0.2 UJ	0.12 UJ	0.27 UJT
C105	LW2-C105-B	0.26 NJ	0.0272 U	0.0233 U	0.0539 UJ	0.047 U	0.26 JT
C105	LW2-C105-C	0.0414 U	0.0261 U	0.0224 U	0.0518 UJ	0.0451 U	0.0518 UJT
C106	LW2-C106-B	0.091 UJ	1.4	0.16 U	0.34 U	0.28 NJ	1.68 JT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C106	LW2-C106-C	1.7 U	4.7	2.3 U	1.7 U	1.2 U	4.7 T
C106	LW2-C106-E	0.2 U	2.3 J	0.25 U	0.68 U	0.2 U	2.3 JT
C106	LW2-C106-F	0.068 U	0.24 U	0.093 U	0.48 U	0.19 U	0.48 UT
C109	LW2-C109-B	0.09 UJ	1.9 J	0.2 U	0.37 U	0.2 U	1.9 JT
C109	LW2-C109-C	0.086 UJ	1.9 J	0.52 J	0.4 U	0.33 U	2.42 JT
C109	LW2-C109-E	0.065 UJ	0.066 UJ	0.089 U	0.064 U	0.041 U	0.089 UT
C111-1	LW2-C111-B	0.65 J	0.407 NJ	0.025 U	0.324 J	0.997 J	2.38 JT
C111-2	LW2-C111-B2	0.581 NJ	0.21 NJ	2.97	0.323 NJ	0.772 NJ	4.86 JT
C111-1	LW2-C111-C	1.21 NJ	0.565 NJ	0.0265 U	0.462 NJ	0.0534 U	2.24 JT
C111-2	LW2-C111-C2	2.57 NJ	0.583 NJ	0.126 U	0.292 UJ	0.255 U	3.15 JT
C111-2	LW2-C111-E2	11.3 NJ	0.37 NJ	0.119 UJ	0.988 NJ	0.24 UJ	12.7 JT
C111-1	LW2-C111-F	0.194 U	0.122 U	0.105 U	0.243 UJ	0.211 U	0.243 UJT
C112	LW2-C112-B	0.488 J	0.367 NJ	0.0256 U	0.292 J	0.0516 U	1.15 JT
C112	LW2-C112-C	2.02 NJ	0.463 NJ	0.13 U	0.301 UJ	0.262 U	2.48 JT
C112	LW2-C112-D	6.27 NJ	0.626 J	0.129 U	0.299 UJ	0.261 U	6.9 JT
C121	LW2-C121-B	1.29 NJ	0.137 UJ	0.117 UJ	0.271 UJ	0.236 UJ	1.29 JT
C121	LW2-C121-C	0.389 J	0.135 UJ	0.115 UJ	0.408 J	0.233 UJ	0.797 JT
C121	LW2-C121-D	0.066 UJ	0.067 UJ	0.09 U	0.064 U	0.042 U	0.09 UT
C122	LW2-C122-B	0.884 NJ	0.617 J	0.122 U	0.281 U	0.245 U	1.5 JT
C122	LW2-C122-C	5.94 NJ	0.646 NJ	0.223 U	0.516 U	0.449 U	6.59 JT
C127	LW2-C127-B	0.42 UJ	2.5 UJ	1.7 J	2.5 U	1.9 U	1.7 JT
C127	LW2-C127-C	0.99 UJ	1.9 UJ	4.1 J	2.4 U	3 U	4.1 JT
C127	LW2-C127-D	0.067 UJ	0.14 UJ	0.63 U	0.2 U	0.043 U	0.63 UT
C130	LW2-C130-B	0.268 U	0.852 NJ	0.145 U	3.02 NJ	0.292 U	3.87 JT
C130	LW2-C130-C	0.0315 U	0.0199 U	0.0171 U	0.0395 U	0.0344 U	0.0395 UT
C130	LW2-C130-E	0.0364 U	0.023 U	0.0197 U	0.0456 U	0.0397 U	0.0456 UT
C133	LW2-C133-B	0.539 J	0.564 NJ	0.028 UJ	0.424 NJ	0.57 NJ	2.1 JT
C133	LW2-C133-C	0.42 U	0.85 U	0.18 U	1.1 U	0.2 U	1.1 UT
C133	LW2-C133-D	2.8 J	0.656 NJ	0.126 UJ	0.292 UJ	0.254 UJ	3.46 JT
C135	LW2-C135-B	1.9 U	2 UJ	2.6 U	1.9 U	1.2 U	2.6 UT
C135	LW2-C135-D	0.25 U	1.1	0.12 U	1.6 U	0.054 U	1.1 T
C136	LW2-C136-B	0.812 J	0.924	0.153 U	0.355 U	0.309 U	1.74 JT
C136	LW2-C136-C	2.5 NJ	0.169 U	0.145 U	0.335 U	0.291 U	2.5 JT
C136	LW2-C136-D	6.96 NJ	0.343 J	0.126 U	1.58 NJ	0.253 U	8.88 JT
C138	LW2-C138-B	0.38 J	0.27 J	0.13 U	0.2 U	0.2 U	0.65 JT
C138	LW2-C138-D	0.067 UJ	0.069 UJ	0.092 U	0.066 U	0.043 U	0.092 UT
C139	LW2-C139-B	0.259 UJ	0.163 UJ	0.14 U	0.324 UJ	0.282 U	0.324 UJT
C139	LW2-C139-C	0.625 J	0.403 NJ	0.0427 U	0.315 J	0.086 U	1.34 JT
C139	LW2-C139-D	0.063 UJ	0.064 UJ	0.085 U	0.2 U	0.04 U	0.2 UT
C142	LW2-C142-B	13.4 NJ	0.595 NJ	0.134 U	1.09 J	15.9 NJ	31 JT
C142	LW2-C142-C	9.52 J	1.54 J	0.247 U	3.23 J	21.8 J	36.1 JT
C144	LW2-C144-B	0.3 J	0.44 NJ	0.14 U	0.085 U	0.24 J	0.98 JT
C144	LW2-C144-D	0.068 U	0.26 U	0.093 U	0.28 U	0.27 U	0.28 UT
C147	LW2-C147-B	1.54 NJ	0.395 NJ	0.131 U	0.302 U	0.263 U	1.94 JT
C147	LW2-C147-C	10.3 NJ	0.253 NJ	0.119 U	0.275 U	26 NJ	36.6 JT
C147	LW2-C147-D	2.3 UJ	2.8 UJ	2.5 J	4.2 U	5.6 U	2.5 JT
C147	LW2-C147-E	3.85 NJ	1.08 J	0.25 U	0.579 U	0.504 U	4.93 JT
C148	LW2-C148-B	0.41 U	0.43 J	0.56 U	0.94 U	0.26 U	0.43 JT
C148	LW2-C148-D	0.55 U	0.41 U	0.33 NJ	1.5 U	0.2 U	0.33 JT
C155	LW2-C155-B	0.216 U	0.137 U	0.117 U	0.271 U	0.236 U	0.271 UT
C155	LW2-C155-C	0.216 U	0.136 U	0.117 U	0.27 U	0.235 U	0.27 UT
C157	LW2-C157-B	0.23 UJ	0.145 UJ	0.124 UJ	0.288 UJ	0.25 UJ	0.288 UJT
C157	LW2-C157-C	0.213 UJ	0.134 UJ	0.115 UJ	0.266 UJ	0.232 UJ	0.266 UJT
C158	LW2-C158-B	0.2 UJ	0.48 UJ	0.22	0.59 U	0.35 NJ	0.57 JT

BZTO104(e)028811

Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C158	LW2-C158-D	0.07 UJ	0.59 UJ	0.3 J	1.1 U	0.044 U	0.3 JT
C160	LW2-C160-B	0.228 UJ	0.144 UJ	0.123 UJ	0.285 UJ	0.249 UJ	0.285 UJT
C160	LW2-C160-C	0.218 UJ	0.138 UJ	0.118 UJ	0.273 UJ	0.238 UJ	0.273 UJT
C161	LW2-C161-B	0.236 UJ	0.149 UJ	0.128 UJ	0.295 UJ	0.257 UJ	0.295 UJT
C161	LW2-C161-C	0.196 UJ	0.124 UJ	0.106 UJ	0.246 UJ	0.214 UJ	0.246 UJT
C162	LW2-C162-B	0.2 UJ	0.4 UJ	0.13 U	0.58 U	0.36 NJ	0.36 JT
C162	LW2-C162-D	0.069 UJ	0.07 UJ	0.094 U	0.067 U	0.044 U	0.094 UT
C163-1	LW2-C163-B1	0.0329 UJ	0.0208 UJ	0.0178 UJ	0.0412 UJ	0.0359 UJ	0.0412 UJT
C163-2	LW2-C163-B2	0.0307 UJT	0.0194 UJT	0.0166 UJT	0.0385 UJT	0.0335 UJT	0.0385 UJT
C163-1	LW2-C163-C1	0.0506 UJ	0.032 UJ	0.0274 UJ	0.0634 UJ	0.0552 UJ	0.0634 UJT
C163-2	LW2-C163-C2	0.204 UJT	0.129 UJT	0.111 UJT	0.256 UJT	0.223 UJT	0.256 UJT
C164	LW2-C164-B	0.0316 U	0.131 NJ	0.0171 U	0.099 NJ	0.0345 U	0.23 JT
C164	LW2-C164-C	0.0331 U	0.0209 U	0.0179 U	0.0415 U	0.0361 U	0.0415 UT
C164	LW2-C164-E	2.94 NJ	0.58 NJ	0.117 U	0.27 U	0.236 U	3.52 JT
C166	LW2-C166-B	0.192 UJ	0.121 UJ	0.104 UJ	0.24 UJ	0.209 UJ	0.24 UJT
C166	LW2-C166-C	7.57 NJ	0.345 NJ	0.734 J	0.264 UJ	0.23 UJ	8.65 JT
C166	LW2-C166-D	8.35 NJ	0.22 NJ	0.114 UJ	0.264 UJ	0.23 UJ	8.57 JT
C167	LW2-C167-B	0.094 UJ	0.56 J	0.21	0.43 U	0.2 U	0.77 JT
C167	LW2-C167-C	0.29 UJ	1.2 NJ	0.16 NJ	1.2 U	0.2 U	1.36 JT
C167	LW2-C167-D	0.071 UJ	0.2 UJ	0.17 J	0.35 U	0.37 U	0.17 JT
C169	LW2-C169-C	0.28 U	0.51 U	0.15 U	1 NJ	0.17 U	1 JT
C170	LW2-C170-B	0.209 U	0.132 U	0.113 U	0.261 U	0.228 U	0.261 UT
C170	LW2-C170-C	0.0348 U	0.022 U	0.0188 U	0.0435 U	0.0379 U	0.0435 UT
C171	LW2-C171-B	0.425 J	0.33 NJ	0.0298 UJ	0.587 J	0.06 UJ	1.34 JT
C171	LW2-C171-C	0.952 J	0.508 NJ	0.108 U	0.329 J	0.218 U	1.79 JT
C171	LW2-C171-D	0.07 U	0.071 U	0.095 U	0.068 U	0.044 U	0.095 UT
C172	LW2-C172-B	0.324 J	0.316 NJ	0.0264 U	0.575 NJ	0.311 J	1.53 JT
C172	LW2-C172-C	2.08 NJ	1.11 J	0.329 U	0.761 U	0.662 U	3.19 JT
C172	LW2-C172-E	0.067 U	0.096 U	0.092 U	0.2 U	0.2 U	0.2 UT
C173	LW2-C173-B	0.47 U	0.48 UJ	0.64 U	0.46 U	0.8 J	0.8 JT
C173	LW2-C173-D	0.065 U	0.066 U	0.089 U	0.064 U	0.041 U	0.089 UT
C176	LW2-C176-B	0.579 J	0.196 NJ	0.0275 U	0.525 NJ	0.849 NJ	2.15 JT
C176	LW2-C176-C	0.2 NJ	0.0245 U	0.021 U	0.0486 U	0.0423 U	0.2 JT
C176	LW2-C176-G	0.0359 U	0.063 J	0.0195 U	0.045 U	0.0392 U	0.063 JT
C179	LW2-C179-B	0.456 UJ	0.288 UJ	0.247 U	0.571 UJ	0.497 U	0.571 UJT
C179	LW2-C179-C	0.233 UJ	0.147 UJ	0.126 U	0.292 UJ	0.254 U	0.292 UJT
C179	LW2-C179-D	0.221 UJ	0.14 UJ	0.12 U	0.574 J	0.241 U	0.574 JT
C182	LW2-C182-B	0.908 NJ	0.255 NJ	0.111 U	0.256 U	0.223 U	1.16 JT
C182	LW2-C182-C	7.09 NJ	0.374 NJ	0.126 U	0.292 U	0.254 U	7.46 JT
C182	LW2-C182-D	1.7 U	9.2 U	2.3 U	9.2 U	4 U	9.2 UT
C184	LW2-C184-B	2.28 J	0.543 NJ	0.121 UJ	0.28 UJ	0.244 UJ	2.82 JT
C184	LW2-C184-C	14.2 NJ	0.271 U	0.232 U	0.537 U	38.3 NJ	52.5 JT
C184	LW2-C184-D	0.0392 U	0.0247 U	0.0212 U	0.049 U	0.0427 U	0.049 UT
C187	LW2-C187-B	0.74 UJ	4.1 UJ	10 NJ	2.7 U	2 U	10 JT
C187	LW2-C187-C	2.4 UJ	2.4 UJ	1.3 NJ	3.7 U	7.5 U	1.3 JT
C187	LW2-C187-D	0.063 UJ	0.065 UJ	0.086 U	0.2 U	0.04 U	0.2 UT
C192	LW2-C192-B	1.36 J	0.47 NJ	0.119 U	0.275 U	0.24 U	1.83 JT
C192	LW2-C192-C	8.22 NJ	0.142 U	0.121 U	1.26 NJ	0.244 U	9.48 JT
C192	LW2-C192-D	0.171 U	0.108 U	0.0927 U	0.214 U	0.187 U	0.214 UT
C196	LW2-C196-B	0.2 UJ	0.19 UJ	0.12 NJ	0.76 NJ	0.28 NJ	1.16 JT
C196	LW2-C196-C	0.065 U	0.066 U	0.088 U	0.084 U	0.041 U	0.088 UT
C197	LW2-C197-B	0.247 U	1.06 NJ	0.134 U	0.309 U	2.63 NJ	3.69 JT
C197	LW2-C197-C	0.237 U	0.15 U	0.129 U	0.297 U	0.259 U	0.297 UT
C197	LW2-C197-D	0.0315 U	0.0199 U	0.017 U	0.0394 U	0.0343 U	0.0394 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C199	LW2-C199-B	0.217 U	0.436 NJ	3.86 NJ	0.271 U	0.526 J	4.82 JT
C199	LW2-C199-C	0.0396 U	0.025 U	0.0214 U	0.0496 U	0.0432 U	0.0496 UT
C202	LW2-C202-B	1.6 J	0.299 UJ	3.62 J	0.592 UJ	0.516 U	5.22 JT
C202	LW2-C202-C	0.486 UJ	0.307 UJ	0.263 U	0.609 UJ	0.53 U	0.609 UJT
C202	LW2-C202-D	0.063 U	0.065 U	0.086 U	0.068 U	0.04 U	0.086 UT
C203	LW2-C203-B	0.378 J	0.147 UJ	1.68 NJ	0.292 UJ	0.254 UJ	2.06 JT
C203	LW2-C203-C	0.23 UJ	0.146 UJ	0.125 UJ	0.288 UJ	0.251 UJ	0.288 UJT
C203	LW2-C203-E	0.0391 UJ	0.0247 UJ	0.0212 U	0.0489 UJ	0.0426 U	0.0489 UJT
C206	LW2-C206-B	9.63 NJ	0.336 NJ	0.136 U	1.21 J	0.274 U	11.2 JT
C206	LW2-C206-C	0.0308 U	0.0195 U	0.0167 U	0.0386 U	0.0336 U	0.0386 UT
C207-1	LW2-C207-B	0.235 UJ	0.149 UJ	0.127 U	0.295 UJ	0.257 U	0.295 UJT
C207-2	LW2-C207-B2	0.238 UJT	0.151 UJT	0.129 UT	0.299 UJT	0.26 UT	0.299 UJT
C207-1	LW2-C207-C	0.0384 UJ	0.0243 UJ	0.0208 UJ	0.0481 UJ	0.0419 UJ	0.0481 UJT
C207-2	LW2-C207-C2	0.0393 UJT	0.0248 UJT	0.0213 UT	0.0492 UJT	0.0429 UT	0.0492 UJT
C207-1	LW2-C207-D	0.208 UJ	0.132 UJ	0.113 U	0.261 UJ	0.227 U	0.261 UJT
C210	LW2-C210-B	0.0378 U	0.0239 U	0.0205 U	0.069 J	0.0412 U	0.069 JT
C210	LW2-C210-C	0.035 U	0.0221 U	0.0189 U	0.0438 U	0.0381 U	0.0438 UT
C213	LW2-C213-B	0.0334 U	0.0211 U	0.0181 U	0.0419 U	0.0365 U	0.0419 UT
C213	LW2-C213-C	0.0364 U	0.023 U	0.0197 U	0.197 NJ	0.0397 U	0.197 JT
C213	LW2-C213-D	0.0355 U	0.039 J	0.0192 U	0.0444 U	0.0387 U	0.039 JT
C215	LW2-C215-B	0.062 U	0.063 U	0.085 U	0.061 U	0.039 U	0.085 UT
C215	LW2-C215-C	0.061 U	0.062 U	0.083 U	0.059 U	0.039 U	0.083 UT
C220	LW2-C220-B	0.173 UJ	0.109 UJ	0.0935 U	0.216 UJ	0.188 U	0.216 UJT
C220	LW2-C220-C	0.0376 UJ	0.0238 UJ	0.0204 UJ	0.0471 UJ	0.041 UJ	0.0471 UJT
C221	LW2-C221-B	0.183 UJ	0.116 UJ	0.0991 U	0.229 UJ	0.2 U	0.229 UJT
C221	LW2-C221-C	0.183 UJ	0.116 UJ	0.0991 U	0.229 UJ	0.199 U	0.229 UJT
C227	LW2-C227-B	1 UJ	0.72 J	0.34 U	0.63 U	0.64 NJ	1.36 JT
C227	LW2-C227-C	0.25 UJ	1.2 UJ	0.34 U	1.2 U	0.29 U	1.2 UJT
C228	LW2-C228-B	0.208 U	0.131 UJ	0.113 U	0.261 UJ	0.227 UJ	0.261 UJT
C231	LW2-C231-B	0.226 U	0.143 U	0.122 U	3.41 NJ	0.246 U	3.41 JT
C231	LW2-C231-C	0.19 U	1.16 NJ	0.103 U	0.238 U	0.429 J	1.59 JT
C232	LW2-C232-B	0.0314 U	0.0199 U	0.017 U	0.0394 UJ	0.0343 U	0.0394 UJT
C232	LW2-C232-C	0.0347 U	0.575 U	0.0188 U	0.0434 UJ	0.0378 U	0.575 UT
C240	LW2-C240-B	0.987 J	1.1 NJ	0.13 U	2.27 NJ	1.83 NJ	6.19 JT
C240	LW2-C240-D	1.08 U	0.682 U	0.584 U	1.35 U	1.18 U	1.35 UT
C240	LW2-C240-E	1.1 U	0.695 U	0.595 U	1.38 U	1.2 U	1.38 UT
C244	LW2-C244-B	0.308 J	0.172 NJ	2.5 NJ	0.629 NJ	0.388 J	4 JT
C244	LW2-C244-C	1.91 J	0.17 U	3.01 J	0.338 UJ	0.294 U	4.92 JT
C245	LW2-C245-B	0.229 U	0.145 U	0.124 U	0.287 U	0.25 U	0.287 UT
C245	LW2-C245-C	0.193 U	0.122 U	0.105 U	3.22 NJ	0.211 U	3.22 JT
C245	LW2-C245-D	0.221 U	0.14 U	0.12 U	0.277 U	1.04 NJ	1.04 JT
C245	LW2-C245-E	0.0388 U	0.0245 U	0.021 U	0.0486 U	0.054 J	0.054 JT
C247	LW2-C247-B	0.0366 UJ	0.0231 UJ	0.0198 U	0.0458 UJ	0.0399 UJ	0.0458 UJT
C247	LW2-C247-C	0.0365 UJ	0.0231 UJ	0.0198 U	0.0457 UJ	0.0398 UJ	0.0457 UJT
C247	LW2-C247-D	0.0374 UJ	0.0236 UJ	0.0202 U	0.0468 UJ	0.0407 UJ	0.0468 UJT
C252	LW2-C252-B	0.174 UJ	0.11 UJ	0.094 UJ	2.12 NJ	0.189 UJ	2.12 JT
C252	LW2-C252-C	0.444 U	0.28 U	0.24 U	0.555 U	0.484 U	0.555 UT
C252	LW2-C252-D	0.41 U	0.42 U	0.56 U	0.4 U	0.37 U	0.56 UT
C254	LW2-C254-B	0.651 J	0.184 U	0.158 U	0.365 U	0.318 U	0.651 JT
C254	LW2-C254-C	0.0286 U	0.0181 U	0.0155 U	0.0359 U	0.0312 U	0.0359 UT
C255	LW2-C255-B	0.0333 U	0.021 U	0.018 U	0.0416 U	0.0363 U	0.0416 UT
C255	LW2-C255-C	0.0312 U	0.089 NJ	0.0169 U	0.0391 U	0.0341 U	0.089 JT
C257	LW2-C257-B	0.167 U	0.105 U	0.0904 U	0.209 U	1.06	1.06 T
C258	LW2-C258-B	0.182 U	0.115 U	0.0984 U	0.227 U	0.198 U	0.227 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C258	LW2-C258-C	0.176 U	0.111 UJ	R	0.22 UJ	0.192 U	0.22 UJT
C260	LW2-C260-B	0.169 UJ	0.107 UJ	0.0915 UJ	0.211 UJ	0.184 UJ	0.211 UJT
C260	LW2-C260-C	0.215 UJ	0.136 UJ	0.116 UJ	0.269 UJ	0.235 UJ	0.269 UJT
C260	LW2-C260-D	0.063 U	0.065 U	0.087 U	0.13 U	0.04 U	0.13 UT
C263	LW2-C263-B	0.539 U	46.7 J	0.292 U	9.3 J	25.7 NJ	81.7 JT
C263	LW2-C263-D	0.496 U	0.313 U	5.15 NJ	1.18 J	0.541 U	6.33 JT
C264	LW2-C264-B	7.14 NJ	0.145 U	0.124 U	10.8 NJ	0.25 U	17.9 JT
C264	LW2-C264-C	1.43 J	0.128 U	0.11 U	3.03 J	2.45 NJ	6.91 JT
C264	LW2-C264-D	0.17 U	0.068 U	0.09 U	0.1 U	0.093 U	0.17 UT
C266	LW2-C266-B	0.0308 UJ	0.0195 UJ	0.0167 UJ	0.0386 UJ	0.0336 UJ	0.0386 UJT
C266	LW2-C266-C	0.212 UJ	0.134 UJ	0.115 UJ	0.265 UJ	4.6 NJ	4.6 JT
C267	LW2-C267-B	0.236 UJ	0.248 NJ	0.128 UJ	0.295 UJ	0.257 UJ	0.248 JT
C267	LW2-C267-C	0.064 J	0.0197 U	0.0168 U	0.039 U	0.0339 U	0.064 JT
C268	LW2-C268-B	0.0342 U	0.0216 U	0.0185 U	0.0428 U	0.0373 U	0.0428 UT
C268	LW2-C268-C	0.0293 U	0.0185 U	0.0159 U	0.0367 U	0.0319 U	0.0367 UT
C269	LW2-C269-B	0.255 U	5.47 NJ	0.138 U	0.32 U	38.4 NJ	43.9 JT
C269	LW2-C269-C	0.238 U	5.06 NJ	0.129 U	2.04 NJ	26.6 NJ	33.7 JT
C269	LW2-C269-D	7.3 U	5.8 UJ	1.5 U	12 U	9.6 U	12 UT
C269	LW2-C269-F	0.209 U	0.132 U	0.113 U	4.51 NJ	1.33 J	5.84 JT
C270	LW2-C270-B	6.83 NJ	0.779 U	0.668 U	1.54 U	1.34 U	6.83 JT
C270	LW2-C270-C	1.13 U	3.82 NJ	0.61 U	1.41 U	1.23 U	3.82 JT
C270	LW2-C270-D	0.23 U	0.29 U	0.22 U	0.52 U	0.36 U	0.52 UT
C272	LW2-C272-B	0.033 U	0.0209 U	0.0179 U	0.0413 U	0.036 U	0.0413 UT
C272	LW2-C272-C	0.0308 U	0.0194 U	0.0167 U	0.0385 U	0.0335 U	0.0385 UT
C273	LW2-C273-B	0.522 U	6.92 NJ	0.282 U	10.3 NJ	0.569 U	17.2 JT
C273	LW2-C273-C	0.435 U	4.94	0.236 U	6.38 NJ	0.475 U	11.3 JT
C273	LW2-C273-D	2.2 U	0.9 U	0.28 U	0.39 U	1.3 U	2.2 UT
C276	LW2-C276-B	4.76 NJ	0.443 NJ	0.133 U	3.09 NJ	0.268 U	8.29 JT
C276	LW2-C276-C	4.02	0.607 U	0.52 U	1.2 U	1.05 U	4.02 T
C276	LW2-C276-D	0.34 U	0.35 UJ	0.47 U	0.34 U	0.92 U	0.92 UT
C277	LW2-C277-B	0.0531 U	0.0335 U	0.0287 U	0.466 J	0.0579 U	0.466 JT
C277	LW2-C277-C	0.97 NJ	0.464 NJ	0.0255 U	0.405 J	0.0514 U	1.84 JT
C277	LW2-C277-D	6.5 NJ	0.665 NJ	0.126 U	0.29 U	18.7 NJ	25.9 JT
C278	LW2-C278-B	10.2 NJ	0.352 NJ	0.276 UJ	8.03 NJ	7.26 NJ	25.8 JT
C278	LW2-C278-C	0.442 U	0.279 U	0.239 U	0.554 U	0.482 U	0.554 UT
C278	LW2-C278-D	0.0359 U	0.0227 U	0.0195 U	0.045 U	0.0392 U	0.045 UT
C280	LW2-C280-B	0.238 U	0.151 U	0.129 U	0.299 U	0.26 U	0.299 UT
C280	LW2-C280-C	0.205 U	0.13 U	0.111 U	0.257 U	0.224 U	0.257 UT
C280	LW2-C280-D	0.18 U	0.114 U	0.0976 U	0.226 U	0.197 U	0.226 UT
C282	LW2-C282-B	0.0323 UJ	0.0204 UJ	0.0175 U	0.0405 UJ	0.0353 UJ	0.0405 UJT
C282	LW2-C282-C	0.0302 UJ	0.0191 UJ	0.0163 U	0.0378 UJ	0.0329 UJ	0.0378 UJT
C282	LW2-C282-D	0.0323 UJ	0.0204 UJ	0.0175 U	0.0404 UJ	0.0352 UJ	0.0404 UJT
C283	LW2-C283-B	0.975 U	0.616 U	0.528 U	1.22 UJ	1.06 U	1.22 UJT
C283	LW2-C283-C	0.831 U	0.525 U	0.45 U	1.04 UJ	0.906 U	1.04 UJT
C283	LW2-C283-E	0.036 U	0.0227 U	0.0195 U	0.0451 UJ	0.0392 U	0.0451 UJT
C284	LW2-C284-B	1.34 NJ	0.158 U	0.136 U	4.27 NJ	0.273 U	5.61 JT
C284	LW2-C284-C	1.06 U	0.669 U	0.573 U	1.33 U	1.15 U	1.33 UT
C284	LW2-C284-D	0.181 U	0.114 U	0.0978 U	0.226 U	0.197 U	0.226 UT
C288	LW2-C288-B	3.12 NJ	3.51 NJ	0.274 U	7.36 NJ	0.552 U	14 JT
C288	LW2-C288-C	0.467 U	4.13 NJ	0.253 U	5.88 J	2.92 NJ	12.9 JT
C288	LW2-C288-D	0.218 U	0.138 U	0.118 U	0.273 U	0.238 U	0.273 UT
C290	LW2-C290-B	0.064 U	0.3 U	0.087 U	2.2 U	0.041 U	2.2 UT
C290	LW2-C290-D	0.067 U	0.069 U	0.092 U	0.066 U	0.043 U	0.092 UT
C291	LW2-C291-B	0.2 U	0.29 U	0.13 U	0.39 U	0.21	0.21 T

BZTO104(e)028814

Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
C291	LW2-C291-C	0.091 U	1.6 U	0.2 U	2.3 U	0.058 U	2.3 UT
C293-1	LW2-C293-B	0.284 UJ	0.18 UJ	0.154 UJ	0.83 J	0.31 UJ	0.83 JT
C293-2	LW2-C293-B2	5.32 NJ	0.174 U	0.149 U	0.726 NJ	0.3 U	6.05 JT
C293-1	LW2-C293-C	7.62 NJ	0.152 U	0.131 U	0.302 U	7.54 NJ	15.2 JT
C293-2	LW2-C293-C2	0.24 U	0.152 U	0.13 U	0.3 U	0.262 U	0.3 UT
C293-1	LW2-C293-D	0.0461 UJ	0.0291 UJ	0.0249 UJ	0.138 J	0.0502 UJ	0.138 JT
C294	LW2-C294-B	5.66 J	0.29 U	0.249 U	10.2 NJ	0.501 U	15.9 JT
C294	LW2-C294-C	0.456 U	3.4 NJ	0.247 U	0.571 U	0.497 U	3.4 JT
C294	LW2-C294-D	0.406 U	0.256 U	0.22 U	2.34 NJ	0.442 U	2.34 JT
C295	LW2-C295-B	1.24 NJ	0.455 NJ	0.0283 U	0.525 NJ	0.057 U	2.22 JT
C295	LW2-C295-C	51.3 NJ	1.07 NJ	0.261 U	0.841 J	0.526 U	53.2 JT
C296	LW2-C296-B	0.2 UJ	0.91 UJ	0.28 J	1.3 UJ	0.2 UJ	0.28 JT
C296	LW2-C296-C	0.084 UJ	0.079 UJ	0.11 UJ	0.076 UJ	0.049 UJ	0.11 UJT
C299	LW2-C299-C	13 U	6.3 UJ	25 U	18 U	22 U	25 UT
C300-2	LW2-C300-B	0.46 U	3.4 U	0.63 U	4.6 J	0.29 U	4.6 JT
C300-2	LW2-C300-D	0.86 U	0.33 U	1.7 U	2 U	1.8 U	2 UT
C301	LW2-C301-B	4.53 U	2.86 U	2.45 U	26.5 J	38.2 J	64.7 JT
C301	LW2-C301-C	25.4 U	9.4 U	8.06 U	18.6 UJ	55.5 J	55.5 JT
C301	LW2-C301-D	7.06 NJ	21.4 J	0.186 U	3.61 NJ	0.375 UJ	32.1 JT
C301	LW2-C301-E	12.4 U	7.82 U	6.71 U	15.5 UJ	13.5 U	15.5 UJT
C301	LW2-C301-G	0.807 U	0.51 U	0.437 U	1.01 UJ	0.88 U	1.01 UJT
C302	LW2-C302-B	32.9 NJ	0.699 U	0.599 U	9.57 NJ	1.21 U	42.5 JT
C302	LW2-C302-C	7.58 U	4.79 U	4.1 U	9.49 U	8.27 U	9.49 UT
C302	LW2-C302-D	61 J	59 UJ	59 NJ	180 U	62 U	120 JT
C303	LW2-C303-B	1 UJ	1.6 UJ	1.9 NJ	3 U	1.5 U	1.9 JT
C303	LW2-C303-C	0.063 UJ	0.17 UJ	1.7 UJ	0.095 UJ	0.12 UJ	1.7 UJT
C305-1	LW2-C305-B1	0.463 U	0.292 U	0.251 U	4.21 J	0.504 U	4.21 JT
C305-2	LW2-C305-B2	8.63 NJ	0.277 U	0.237 U	0.549 U	0.478 U	8.63 JT
C305-1	LW2-C305-C1	0.183 U	0.115 U	0.0989 U	0.229 U	1.12 J	1.12 JT
C305-2	LW2-C305-C2	20 NJ	0.28 U	0.24 U	11.4 NJ	0.483 U	31.4 JT
C305-1	LW2-C305-D1	0.142 NJ	0.022 U	0.0189 U	0.0436 U	0.038 U	0.142 JT
C305-2	LW2-C305-D2	0.0334 U	0.0211 U	0.0181 U	0.204 NJ	0.0364 U	0.204 JT
C311	LW2-C311-B	9.14 NJ	0.929 J	0.254 U	0.587 U	0.511 U	10.1 JT
C311	LW2-C311-C	0.468 U	0.713 NJ	0.253 U	0.586 U	0.51 U	0.713 JT
C311	LW2-C311-E	0.406 U	0.256 U	0.22 U	0.508 U	0.442 U	0.508 UT
C312	LW2-C312-B	0.093 NJ	0.14 NJ	0.42	8.3 U	0.22 U	0.653 JT
C312	LW2-C312-C	0.062 UJ	0.063 UJ	0.084 U	0.06 U	0.039 U	0.084 UT
C313	LW2-C313-B	0.0359 UJ	0.0227 UJ	0.0194 UJ	0.0449 UJ	0.0391 UJ	0.0449 UJT
C313	LW2-C313-C	0.0388 UJ	0.0245 UJ	0.021 UJ	0.0485 UJ	0.0423 UJ	0.0485 UJT
C314	LW2-C314-B	2.95 J	0.173 UJ	0.149 UJ	0.344 UJ	0.299 UJ	2.95 JT
C314	LW2-C314-C	23.8 NJ	0.15 UJ	0.128 UJ	0.297 UJ	27.3 NJ	51.1 JT
C314	LW2-C314-D	0.52 UJ	0.5 UJ	0.97 NJ	0.89 U	0.37 U	0.97 JT
C316	LW2-C316-B	0.223 UJ	0.141 UJ	12.7 NJ	1.36 J	6.6 NJ	20.7 JT
C316	LW2-C316-C	14.8 J	0.809 NJ	9.09 NJ	1.97 J	27 NJ	53.7 JT
C316	LW2-C316-D	0.445 U	0.281 U	0.241 U	0.558 UJ	0.486 U	0.558 UJT
C321	LW2-C321-B1	0.34 UJ	0.87 UJ	0.47 U	1.5	0.22 U	1.5 T
C321-2	LW2-C321-B2	0.2 UJ	0.96 UJ	0.25 U	3.1 NJ	0.045 U	3.1 JT
C321	LW2-C321-C1	0.068 UJ	0.069 UJ	0.093 UJ	0.067 UJ	0.043 UJ	0.093 UJT
C321-2	LW2-C321-C2	0.41 NJ	0.2 UJ	0.092 U	0.87 NJ	0.31 NJ	1.59 JT
C321-2	LW2-C321-E2	0.063 UJ	0.064 UJ	0.086 U	0.061 U	0.04 U	0.086 UT
C323	LW2-C323-B	2.69 NJ	0.675 NJ	1.09 J	0.247 UJ	0.215 UJ	4.46 JT
C323	LW2-C323-C	0.366 NJ	0.178 NJ	0.265 NJ	0.0453 UJ	0.0394 UJ	0.809 JT
C323	LW2-C323-D	0.511 J	0.0226 U	0.0194 U	0.366 NJ	0.039 U	0.877 JT
C324	LW2-C324-B	0.416	0.393 NJ	0.0213 U	0.178 NJ	0.0429 U	0.987 JT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C324	LW2-C324-D	0.358	0.143 NJ	0.0207 U	0.147 J	0.0417 U	0.648 JT
C324	LW2-C324-E	1.09 NJ	0.504 J	0.112 UJ	0.26 UJ	0.226 UJ	1.59 JT
C326	LW2-C326-B	1.17 NJ	0.541 NJ	0.0266 UJ	0.32 J	0.0535 UJ	2.03 JT
C326	LW2-C326-C	0.314 NJ	0.0212 UJ	0.0182 UJ	0.0421 UJ	0.796 NJ	1.11 JT
C327	LW2-C327-B	0.346 J	0.248 NJ	0.405 NJ	0.217 J	0.24 NJ	1.46 JT
C327	LW2-C327-C	0.679 NJ	0.243 J	0.931 J	0.229 U	0.482 J	2.34 JT
C327	LW2-C327-D	0.07 U	0.37 U	0.4 J	0.99 U	0.2 U	0.4 JT
C329	LW2-C329-B	0.402 NJ	0.402 NJ	0.0192 UJ	0.716 NJ	0.297 NJ	1.82 JT
C329	LW2-C329-C	1.2	0.123 U	0.105 U	0.243 U	0.212 U	1.2 T
C329	LW2-C329-D	0.869 NJ	0.114 U	0.0978 U	0.844 J	0.197 U	1.71 JT
C331	LW2-C331-B	0.369 NJ	0.129 NJ	0.018 U	0.282 NJ	0.0363 U	0.78 JT
C331	LW2-C331-C	0.173 U	0.11 U	0.0939 U	0.217 U	0.189 U	0.217 UT
C331	LW2-C331-D	0.0367 U	0.055 J	0.0199 U	0.046 U	0.0401 U	0.055 JT
C331	LW2-C331-E	0.0368 U	0.0232 U	0.0199 U	0.046 U	0.0401 U	0.046 UT
C332	LW2-C332-B	34.8 NJ	0.155 U	0.133 U	0.307 U	34.4 NJ	69.2 JT
C332	LW2-C332-C	0.0349 U	0.0221 U	0.0189 U	0.0437 U	0.0381 U	0.0437 UT
C333	LW2-C333-B	0.865 J	0.12 UJ	0.102 UJ	0.237 UJ	0.732 J	1.6 JT
C333	LW2-C333-C	0.0328 U	0.0207 U	0.0177 U	0.041 U	0.0357 U	0.041 UT
C333	LW2-C333-E	0.0381 U	0.278 NJ	0.0206 U	0.0477 U	0.0416 U	0.278 JT
C334	LW2-C334-B	17.1 NJ	8.24 J	0.129 U	8.79 J	16.1 J	50.2 JT
C334	LW2-C334-C	0.175 NJ	0.0224 U	0.0192 U	0.0445 U	0.0388 U	0.175 JT
C335	LW2-C335-B	0.18 UJ	0.114 UJ	0.0977 UJ	0.226 UJ	0.197 UJ	0.226 UJT
C335	LW2-C335-C	0.0298 UJ	0.0188 UJ	0.0161 UJ	0.0373 UJ	0.0324 UJ	0.0373 UJT
C341	LW2-C341-B	2.08 NJ	0.167 U	0.143 U	0.331 UJ	0.289 U	2.08 JT
C342	LW2-C342-B	0.595	0.451 NJ	0.0273 U	0.483 J	0.939 NJ	2.47 JT
C342	LW2-C342-C	2.07 NJ	0.695 NJ	0.122 U	0.456 J	0.246 U	3.22 JT
C342	LW2-C342-D	0.184 U	0.116 U	0.0998 U	0.231 U	0.201 U	0.231 UT
C346	LW2-C346-B	1.58 NJ	0.777 J	0.116 U	1.3	0.235 U	3.66 JT
C346	LW2-C346-C	0.208 U	0.131 U	0.113 U	0.26 U	0.227 U	0.26 UT
C347	LW2-C347-B	0.861 J	0.256 NJ	0.0322 U	0.397 J	0.524 J	2.04 JT
C347	LW2-C347-C	0.0494 U	0.0312 U	0.0267 U	0.154 J	0.0538 U	0.154 JT
C347	LW2-C347-E	0.069 U	0.07 UJ	0.094 U	0.067 U	0.044 U	0.094 UT
C347	LW2-C347-F	1.51 J	2.42 J	0.0216 UJ	0.301 J	1.29 NJ	5.52 JT
C348	LW2-C348-B	0.237 U	12.3	32.8	29.5 NJ	16.5 J	91.1 JT
C348	LW2-C348-C	9.31 U	5.88 U	5.04 U	11.7 U	886 NJ	886 JT
C348	LW2-C348-D	0.172 U	0.298 J	0.093 U	0.215 U	0.668 NJ	0.966 JT
C349	LW2-C349-B	0.559 J	1.07 NJ	1.71 NJ	0.239 J	0.0588 U	3.58 JT
C349	LW2-C349-C	0.0506 UJ	0.88 J	1.59 NJ	0.238 J	2.29 NJ	5 JT
C349	LW2-C349-D	0.17 U	0.061 U	0.082 U	0.083 U	0.088 U	0.17 UT
C351	LW2-C351-B	66.1 NJ	0.643 U	0.551 U	1.27 U	113 NJ	179 JT
C351	LW2-C351-C	0.0339 U	0.0214 U	0.0184 U	0.0425 U	0.037 U	0.0425 UT
C351	LW2-C351-D	0.0341 U	0.0215 U	0.0184 U	0.0427 U	0.0372 U	0.0427 UT
C351	LW2-C351-E	0.0335 U	0.0211 U	0.0181 U	0.0419 U	0.0365 U	0.0419 UT
C352	LW2-C352-B	0.482	0.855 NJ	0.0264 U	0.286 J	0.377 J	2 JT
C352	LW2-C352-C	0.374 J	0.294 NJ	0.025 U	0.188 J	0.464 NJ	1.32 JT
C352	LW2-C352-D	0.088 J	0.147 NJ	0.017 U	0.044 J	0.0342 U	0.279 JT
C356	LW2-C356-B	0.272 U	0.172 U	7.92 NJ	3.07 NJ	0.296 U	11 JT
C356	LW2-C356-C	2.45 U	653 NJ	339 J	3.07 U	2.67 U	992 JT
C356	LW2-C356-E	5.69 J	0.104 U	0.0894 U	0.207 U	6.95 NJ	12.6 JT
C357	LW2-C357-B	0.0475 UJ	0.03 UJ	0.854 J	0.0594 UJ	0.651 NJ	1.51 JT
C357	LW2-C357-C	0.0372 UJ	0.43 NJ	0.986 NJ	0.0465 UJ	0.0405 UJ	1.42 JT
C358	LW2-C358-B	0.49 U	0.79 J	0.67 U	0.62 NJ	0.31 U	1.41 JT
C358	LW2-C358-C	0.45 U	1.2 UJ	0.61 U	0.99 U	0.29 U	1.2 UJT
C358	LW2-C358-D	0.45 U	3.5 J	0.61 U	0.44 U	1.1 U	3.5 JT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C359	LW2-C359-B	0.246 U	0.994 J	0.133 U	0.52 J	6.62 NJ	8.13 JT
C359	LW2-C359-C	0.243 U	0.416 NJ	0.132 U	0.305 U	0.265 U	0.416 JT
C359	LW2-C359-D	50.8 J	4.24 NJ	0.246 U	0.568 U	0.494 U	55 JT
C360	LW2-C360-B1	0.11 UJ	3.4 J	0.14 U	0.1 U	0.7 U	3.4 JT
C360-2	LW2-C360-B2	2.2 UJT	9.4 JT	3 UT	260 JT	1.4 UT	269 JT
C360	LW2-C360-C1	1.8 UJ	14 NJ	2.5 U	5.4 U	1.2 U	14 JT
C360-2	LW2-C360-C2	1.6 J	4.7 UJ	1.6 NJ	3.7 U	2 U	3.2 JT
C361	LW2-C361-B	0.046 UJ	1.16 NJ	1.04 J	0.0576 UJ	1.04 NJ	3.24 JT
C362	LW2-C362-B	0.704 NJ	0.0316 U	0.0271 U	0.0626 U	1.76 NJ	2.46 JT
C362	LW2-C362-C	0.211	0.174 NJ	0.0252 U	0.17 J	0.0508 U	0.555 JT
C362	LW2-C362-D	3.25 NJ	3.94 NJ	0.127 U	1.02 J	1.87 J	10.1 JT
C364	LW2-C364-B	0.609 NJ	0.164 NJ	2.03 NJ	0.23 UJ	0.201 UJ	2.8 JT
C364	LW2-C364-C	0.207 U	0.131 U	0.112 U	0.26 U	0.226 U	0.26 UT
C366-1	LW2-C366-B1	1 UT	13 JT	32.6 JT	17.5 JT	30.2 JT	93.3 JT
C366-2	LW2-C366-B2	0.253 U	2.6 NJ	12.1 NJ	0.317 U	19.2 NJ	33.9 JT
C366-1	LW2-C366-C1	0.224 UJT	0.142 UJT	0.121 UJT	12.5 JT	15 JT	27.5 JT
C366-2	LW2-C366-C2	0.229 U	0.145 U	0.124 U	0.287 U	0.25 U	0.287 UT
C366-1	LW2-C366-D1	0.16 UT	0.101 UT	0.0867 UT	1.12 JT	1.85 JT	2.97 JT
C366-2	LW2-C366-D2	0.197 U	0.124 U	0.107 U	0.246 U	3.99 NJ	3.99 JT
C366-1	LW2-C366-E1	0.189 UT	0.119 UT	0.102 UT	0.236 UT	4.2 JT	4.2 JT
C366-2	LW2-C366-F2	0.0352 U	0.0222 U	0.0191 U	0.0441 U	0.0384 U	0.0441 UT
C366-1	LW2-C366-G1	0.0353 UT	0.0223 UT	0.0191 UT	0.0442 UT	0.0385 UT	0.0442 UT
C368	LW2-C368-B	2.89	1.08 J	0.477 J	0.324 U	3.34 NJ	7.79 JT
C368	LW2-C368-C	2.01 NJ	0.125 U	0.107 U	1.4 J	3.57 NJ	6.98 JT
C368	LW2-C368-D	1.92 NJ	1.09 U	0.931 U	2.15 U	1.88 U	1.92 JT
C368	LW2-C368-E	0.166 U	0.105 U	0.0898 U	0.208 U	0.181 U	0.208 UT
C371	LW2-C371-B	0.198 U	0.125 U	10.1 J	0.248 U	5.53 NJ	15.6 JT
C371	LW2-C371-C	0.17 U	0.107 U	0.092 U	0.213 U	0.185 U	0.213 UT
C371	LW2-C371-E	0.0336 U	0.0212 U	0.0182 U	0.042 U	0.0366 U	0.042 UT
C372	LW2-C372-B	0.212 U	0.149 NJ	0.115 UJ	0.265 U	0.231 UJ	0.149 JT
C372	LW2-C372-C	0.187 U	0.118 U	0.101 UJ	0.234 U	0.203 UJ	0.234 UT
C377	LW2-C377-B	0.0437 U	0.0276 U	0.0237 U	0.0547 U	0.819 NJ	0.819 JT
C377	LW2-C377-C	0.232 U	0.147 U	0.126 U	0.29 U	2.48 NJ	2.48 JT
C377	LW2-C377-E	0.416 U	0.262 U	0.225 U	0.52 U	0.453 U	0.52 UT
C379	LW2-C379-B	0.263 UJ	4.16 NJ	0.142 UJ	0.635 J	0.287 UJ	4.8 JT
C379	LW2-C379-C	0.231 UJ	0.146 UJ	0.125 UJ	0.289 UJ	0.252 UJ	0.289 UJT
C379	LW2-C379-D	0.0379 UJ	0.0239 UJ	0.0205 UJ	0.0474 U	0.0413 UJ	0.0474 UT
C380	LW2-C380-B	0.0438 U	0.0277 U	0.0237 U	0.0549 U	0.0478 U	0.0549 UT
C380	LW2-C380-C	0.0414 UJ	0.0261 UJ	0.0224 UJ	0.0518 UJ	0.0451 UJ	0.0518 UJT
C381	LW2-C381-B	0.31 UJ	0.35 UJ	0.11 U	0.22 U	0.08 J	0.08 JT
C381	LW2-C381-C	0.079 UJ	0.088 UJ	0.11 U	0.078 U	0.06 U	0.11 UT
C381	LW2-C381-E	0.071 UJ	0.073 UJ	0.097 U	0.07 U	0.045 U	0.097 UT
C382	LW2-C382-B	12.7 NJ	0.134 U	0.115 U	1.08 NJ	0.231 U	13.8 JT
C382	LW2-C382-C	0.422 NJ	0.0241 U	0.0207 U	0.079 J	0.0416 U	0.501 JT
C382	LW2-C382-D	0.071 U	0.072 UJ	0.096 U	0.17 U	0.045 U	0.17 UT
C383	LW2-C383-B	0.238 J	0.269 NJ	0.0172 UJ	0.219 NJ	0.096 J	0.822 JT
C383	LW2-C383-C	0.0407 U	0.0257 U	0.022 U	0.0509 U	0.0444 U	0.0509 UT
C384	LW2-C384-B	0.491 UJ	0.31 UJ	0.266 UJ	1.97 NJ	0.535 UJ	1.97 JT
C384	LW2-C384-C	0.0324 UJ	0.0204 UJ	0.0175 UJ	0.0405 U	0.0353 UJ	0.0405 UT
C386	LW2-C386-B	0.464 NJ	0.501 NJ	0.0246 U	0.174 NJ	0.599 NJ	1.74 JT
C386	LW2-C386-C	0.0302 U	0.0191 U	0.0164 UJ	0.0379 U	0.033 UJ	0.0379 UT
C392	LW2-C392-B	0.41 J	0.127 NJ	0.0307 U	0.649 NJ	0.0619 U	1.19 JT
C392	LW2-C392-C	0.614 NJ	0.034 NJ	0.0188 U	0.135 NJ	0.0379 U	0.783 JT
C393	LW2-C393-B	0.194 UJ	0.123 U	0.105 U	0.243 U	0.212 U	0.243 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2		27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane		Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID							
C393	LW2-C393-C	0.032 UJ	0.0202 U		0.0173 U	0.04 U	0.0349 U	0.04 UT
C396	LW2-C396-B	0.0405 U	0.0256 U		0.0219 U	0.0507 U	0.0441 U	0.0507 UT
C396	LW2-C396-C	0.0435 U	0.0275 U		0.0236 U	0.0545 U	0.0475 U	0.0545 UT
C397	LW2-C397-B	0.589 NJ	0.389 NJ	R		0.502 J	0.547 NJ	2.03 JT
C397	LW2-C397-C	0.741 NJ	0.362 NJ		0.0276 U	0.49	0.0557 U	1.59 JT
C397	LW2-C397-D	2.25 NJ	0.948 NJ		0.0271 UJ	0.348 J	0.0547 UJ	3.55 JT
C401	LW2-C401-B	0.781 NJ	0.6 NJ		0.106 U	0.246 U	0.483 NJ	1.86 JT
C401	LW2-C401-C	0.169 U	0.106 U		1.66 NJ	0.211 U	0.184 U	1.66 JT
C401	LW2-C401-D	0.55	0.501 J		0.0894 U	0.207 U	0.18 U	1.05 JT
C401	LW2-C401-E	1.36 NJ	0.578 NJ		0.105 U	0.244 U	0.212 U	1.94 JT
C401	LW2-C401-F	0.071 UJ	0.073 UJ		0.097 U	0.087 U	0.045 U	0.097 UT
C403	LW2-C403-B	0.0347 U	0.0219 U		0.0188 U	0.0435 U	0.0379 U	0.0435 UT
C403	LW2-C403-C	0.0348 U	0.022 U		0.0188 U	0.0435 U	0.0379 U	0.0435 UT
C403	LW2-C403-D	0.0394 U	0.0249 U		0.0213 U	0.0493 U	0.043 U	0.0493 UT
C405	LW2-C405-B	1.77 J	1.32 NJ		0.101 U	0.686 J	1.15 J	4.93 JT
C405	LW2-C405-C	0.338 J	0.105 U		0.0899 U	0.208 U	0.203 NJ	0.541 JT
C409	LW2-C409-B	0.3 NJ	0.111 NJ		1.21 NJ	0.325 NJ	0.0461 U	1.95 JT
C409	LW2-C409-C	0.284 NJ	0.0214 U		0.0183 U	0.207	0.301 J	0.792 JT
C409	LW2-C409-D	0.061 U	0.26 J		0.084 U	0.25 U	0.039 U	0.26 JT
C413-1	LW2-C413-B1	0.231 U	0.146 U		1.45 J	0.338 J	0.251 U	1.79 JT
C413-2	LW2-C413-B2	0.712	0.137 U		0.117 U	0.414 J	0.236 U	1.13 JT
C413-1	LW2-C413-C1	0.221 U	0.42 NJ		0.119 U	0.276 U	0.24 U	0.42 JT
C413-2	LW2-C413-C2	0.224 U	0.142 U		0.121 U	0.281 U	0.244 U	0.281 UT
C413-2	LW2-C413-D2	0.216 U	0.136 U		0.117 U	0.27 U	6.78 J	6.78 JT
C415	LW2-C415-B	0.0337 U	0.0213 U		0.0183 U	0.0422 U	0.0368 U	0.0422 UT
C415	LW2-C415-C	0.033 U	0.0209 U		0.0179 U	0.0413 U	0.036 U	0.0413 UT
C415	LW2-C415-D	0.0345 U	0.0218 U		0.0187 U	0.0432 U	0.0376 U	0.0432 UT
C417	LW2-C417-B	0.799 J	0.802 NJ		0.0302 U	0.647 J	0.0609 U	2.25 JT
C417	LW2-C417-D	4.36 J	8.24 J		0.0187 U	1.05 NJ	2.53 J	16.2 JT
C420	LW2-C420-B	0.374 J	0.29 NJ		0.0258 U	0.173 J	0.204 J	1.04 JT
C420	LW2-C420-C	0.207 U	0.382 NJ		0.112 U	0.259 U	0.226 U	0.382 JT
C420	LW2-C420-D	0.32 U	2.3 J		0.43 U	3.5 U	0.2 UJ	2.3 JT
C421	LW2-C421-B	0.091 U	9.8		0.23 U	3.6 U	1.1 U	9.8 T
C421	LW2-C421-D	0.07 U	0.092 NJ		0.096 U	0.15 U	0.045 U	0.092 JT
C425-1	LW2-C425-B1	0.562 T	0.582 JT		0.0176 UT	0.174 T	0.358 JT	1.68 JT
C425-2	LW2-C425-B2	0.713 J	0.763 J		0.0968 U	0.224 U	0.743 NJ	2.22 JT
C425-1	LW2-C425-C1	2.2 JT	2.24 JT		0.0182 UT	0.657 JT	1.31 JT	6.41 JT
C425-2	LW2-C425-C2	1.12 J	1.29 J		0.0181 U	0.304 J	0.761 J	3.48 JT
C425-2	LW2-C425-D2	3.64 J	2.74 J		0.0213 U	0.611 J	1.67 J	8.66 JT
C425-1	LW2-C425-E1	5 JT	3.27 JT		0.0184 UT	0.722 JT	2.03 JT	11 JT
C426	LW2-C426-B	0.38 NJ	0.127 NJ		0.0271 UJ	0.0627 UJ	0.0546 UJ	0.507 JT
C426	LW2-C426-C	0.036 U	0.0227 U		0.0195 U	0.0451 U	0.0392 U	0.0451 UT
C430	LW2-C430-B	0.418 J	0.315 NJ		0.0253 U	0.241 NJ	0.456 NJ	1.43 JT
C430	LW2-C430-C	1.26 NJ	0.459 NJ		0.0252 U	0.316 J	0.0507 U	2.04 JT
C430	LW2-C430-E	1.64 NJ	1.27 NJ		0.113 U	0.261 U	0.228 U	2.91 JT
C431	LW2-C431-B	1.97 J	1.75 NJ		0.124 U	0.287 U	1.9 NJ	5.62 JT
C431	LW2-C431-C	4.59 J	3.15		0.104 U	0.241 U	3.46 NJ	11.2 JT
C431	LW2-C431-D	0.326 J	0.214 J		0.0193 U	0.0446 U	0.0389 U	0.54 JT
C431	LW2-C431-F	0.067 UJ	0.069 UJ		0.092 U	0.066 U	0.043 U	0.092 UT
C434	LW2-C434-B	2.08 NJ	0.639 J		0.122 U	0.283 U	0.246 U	2.72 JT
C434	LW2-C434-C	0.036 UJ	0.0228 UJ		0.0195 U	0.0451 UJ	0.0393 UJ	0.0451 UJT
C434	LW2-C434-D	0.0346 UJ	0.038 J		0.0187 U	0.0433 UJ	0.0377 UJ	0.038 JT
C436	LW2-C436-C	0.39 U	1.4 U		0.54 U	1.7 U	0.49 U	1.7 UT
C437	LW2-C437-B	0.171 U	0.108 U		0.0926 U	0.214 U	0.186 U	0.214 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
C437	LW2-C437-C	0.034 U	0.0215 U	0.0184 U	0.401 NJ	0.151	0.552 JT
C437	LW2-C437-D	0.0366 U	0.0231 U	0.0198 U	0.0459 U	0.0399 U	0.0459 UT
C439	LW2-C439-B	0.249 U	0.455 J	0.135 UJ	0.312 U	0.272 UJ	0.455 JT
C439	LW2-C439-C	0.216 UJ	0.492 NJ	0.117 UJ	0.27 UJ	0.235 UJ	0.492 JT
C440	LW2-C440-C	0.17 U	2.2	0.31 U	1.9	0.32 J	4.42 JT
C441-1	LW2-C441-B1	0.921 J	0.837 J	0.118 UJ	0.422 J	0.238 UJ	2.18 JT
C441-2	LW2-C441-B2	2.83 JT	4.28 JT	0.122 UJT	0.939 JT	2.03 NJT	10.1 JT
C441-1	LW2-C441-C1	0.0358 U	0.0226 U	0.0194 UJ	0.0448 U	0.039 UJ	0.0448 UT
C441-2	LW2-C441-C2	0.0391 UT	0.0247 UT	0.0212 UJT	0.049 UT	0.0426 UJT	0.049 UT
C444	LW2-C444-B	2.73 J	1.44 NJ	0.0309 UJ	0.562 NJ	1.68 NJ	6.41 JT
C444	LW2-C444-C	1.16 J	0.334 NJ	0.121 U	0.28 U	0.244 U	1.49 JT
C444	LW2-C444-E	0.069 U	0.07 U	0.094 U	0.068 U	0.044 U	0.094 UT
C445	LW2-C445-B	0.547 J	0.672 J	0.0262 U	0.259 J	0.363 J	1.84 JT
C445	LW2-C445-C	1.19 J	1.56 NJ	0.126 U	0.291 UJ	0.253 UJ	2.75 JT
C445	LW2-C445-E	0.226 UJ	0.572 J	0.123 U	0.283 UJ	0.247 UJ	0.572 JT
C447	LW2-C447-C	0.077 U	0.18 U	0.11 U	0.22 U	0.16 U	0.22 UT
C448	LW2-C448-C	1.7 J	3.3	0.22 J	1.5 U	1.1 J	6.32 JT
C449	LW2-C449-B	0.36 UJ	0.53 J	0.14 U	0.3 U	0.41	0.94 JT
C449	LW2-C449-C	0.31 UJ	0.55 J	0.2 U	0.084 U	0.25	0.8 JT
C449	LW2-C449-E	0.25 UJ	0.97 UJ	0.26 J	0.24 U	0.24 U	0.26 JT
C450	LW2-C450-B	1.84 J	1.96 J	1.54 J	0.372 NJ	2.14 NJ	7.85 JT
C450	LW2-C450-C	20.1 J	24.7 NJ	0.254 U	3.83 NJ	17.6 NJ	66.2 JT
C453	LW2-C453-B	32.3 J	37.3 J	0.258 U	4.36 J	46.2 NJ	120 JT
C453	LW2-C453-C	16.8	27.7 J	0.246 U	1.77 J	38 NJ	84.3 JT
C453	LW2-C453-D	0.108 NJ	0.163 NJ	0.0234 U	0.071 NJ	0.0472 U	0.342 JT
C454	LW2-C454-B	0.0326 U	0.042 NJ	0.0176 U	0.083 J	0.0355 U	0.125 JT
C454	LW2-C454-C	0.141 J	0.113 NJ	0.0259 U	0.327 NJ	0.0522 UJ	0.581 JT
C454	LW2-C454-D	0.156 J	0.126 J	0.0231 U	0.264 NJ	0.0465 U	0.546 JT
C454	LW2-C454-E	0.0351 U	0.0222 U	0.019 U	0.044 U	0.0383 U	0.044 UT
C455	LW2-C455-B	630 J	1140 J	2.57 U	80.2 J	480 J	2330 JT
C455	LW2-C455-C	32.7 J	63 J	0.121 U	2.96 J	9.16 J	108 JT
C455	LW2-C455-D	0.217 UJ	0.259 NJ	0.117 U	0.271 UJ	0.236 UJ	0.259 JT
C456	LW2-C456-B	1.03 J	0.779 NJ	0.0259 U	0.296 J	0.74 J	2.85 JT
C456	LW2-C456-C	3.28 J	3.16 NJ	0.105 U	0.569 J	3.06 NJ	10.1 JT
C456	LW2-C456-D	0.088 J	0.0281 U	0.0241 U	0.28 J	0.0485 U	0.368 JT
C456	LW2-C456-F	0.0431 U	0.0272 U	0.0233 U	0.054 U	0.047 U	0.054 UT
C457	LW2-C457-B	0.721	0.574 NJ	0.234 NJ	0.258 J	0.73 NJ	2.52 JT
C457	LW2-C457-C	1.2 J	0.709 NJ	1.22 NJ	0.553 NJ	1.62 NJ	5.3 JT
C457	LW2-C457-E	0.0432 UJ	0.0273 UJ	0.0234 UJ	0.0541 UJ	0.0471 UJ	0.0541 UJT
C458-1	LW2-C458-B	0.246 J	0.0346 U	0.0297 U	0.0687 U	0.0598 U	0.246 JT
C458-2	LW2-C458-B2	0.401 JT	0.481 JT	0.0275 UJT	0.19 JT	0.237 JT	1.31 JT
C458-1	LW2-C458-C	0.54 J	0.307 NJ	0.0269 U	0.225 J	0.404 J	1.48 JT
C458-2	LW2-C458-C2	0.609 JT	0.559 JT	0.0273 UT	0.245 JT	0.314 JT	1.73 JT
C458-1	LW2-C458-D	0.19 U	0.61 NJ	0.13 U	0.54 U	0.14 J	0.75 JT
C461	LW2-C461-B	0.496 J	0.396 NJ	0.0292 UJ	0.0675 UJ	0.0588 UJ	0.892 JT
C461	LW2-C461-C	0.37 J	0.383 NJ	0.0258 UJ	0.191 J	0.052 UJ	0.944 JT
C468	LW2-C468-B	0.772 NJ	0.514 NJ	0.0256 U	0.219 J	0.661 NJ	2.17 JT
C468	LW2-C468-C	0.559	0.538 NJ	0.48 NJ	0.338 J	0.421 J	2.34 JT
C474	LW2-C474-B	0.309 J	0.171 NJ	0.0288 U	0.0666 U	0.058 U	0.48 JT
C474	LW2-C474-C	0.44 J	0.285 J	0.0254 U	0.0588 U	0.0512 U	0.725 JT
C477	LW2-C477-B	0.82 J	0.03 U	0.0257 U	0.552 J	0.6 NJ	1.97 JT
C477	LW2-C477-C	0.32 NJ	0.217 NJ	0.019 U	0.398 J	0.0382 U	0.935 JT
C492	LW2-C492-B	0.42 U	0.54 UJ	1.2 U	3.1 J	0.26 U	3.1 JT
C492	LW2-C492-C	0.06 U	0.061 UJ	0.082 U	0.059 U	0.057 U	0.082 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
C494	LW2-C494-B	0.811 J	0.0242 U	0.0208 U	0.763 J	0.0418 U	1.57 JT
C494	LW2-C494-C	1.22 J	0.982 NJ	0.0217 U	0.628 J	0.0437 U	2.83 JT
C494	LW2-C494-D	0.977 J	1.22 NJ	0.116 U	1.43 NJ	0.618 J	4.25 JT
C494	LW2-C494-E	0.207 U	0.13 U	0.112 U	0.259 U	0.225 U	0.259 UT
C521	LW2-C521-B	2 U	6.7 U	4.7 U	15	3 U	15 T
C521	LW2-C521-C	3 U	4.9 U	9.8 U	6.7 U	2.4 U	9.8 UT
C521	LW2-C521-D	3.9 U	4.8 U	3.6 U	4.7 U	4.8 U	4.8 UT
C522	LW2-C522-B	0.22 UJ	0.69 J	0.12 U	0.37 U	0.21 U	0.69 JT
C522	LW2-C522-C	0.067 UJ	0.069 U	0.092 U	0.066 U	0.043 UJ	0.092 UT
C523	LW2-C523-B	0.41 UJ	0.42 UJ	1.3 UJ	1.2 UJ	0.26 UJ	1.3 UJT
C523	LW2-C523-C	1.7 UJ	0.36 UJ	0.48 UJ	1 UJ	1.9 UJ	1.9 UJT
C524	LW2-C524-B	0.23 UJ	0.084 U	0.12 U	0.38 U	0.052 UJ	0.38 UT
C525	LW2-C525-B	2 U	5.6 UJ	4.2	4 U	6.9 U	4.2 T
C525	LW2-C525-C	3.4 U	6.2 UJ	4.2 U	10 U	7.7 U	10 UT
C525	LW2-C525-D	37 U	25 UJ	56 U	19 U	19 U	56 UT
C525	LW2-C525-E	1.7 U	0.34 UJ	0.46 U	0.76 U	1 U	1.7 UT
C527	LW2-C527-B	2 U	0.99 UJ	1.4 U	0.95 U	2 J	2 JT
C527	LW2-C527-C	2.1 U	2.7 UJ	2 U	5.2 U	1.8 U	5.2 UT
C527	LW2-C527-E	32 NJ	12 NJ	8.8	33 U	4 U	52.8 JT
C528	LW2-C528-B	0.37 U	0.54 J	0.41 U	0.73 U	0.2 U	0.54 JT
C528	LW2-C528-C	5.9	4 UJ	3.3 U	7.2 U	1.2 U	5.9 T
C528	LW2-C528-F	0.69 NJ	0.067 UJ	0.21 J	0.065 U	0.26 UJ	0.9 JT
C529	LW2-C529-B	0.22 UJ	0.68 UJ	0.13 U	0.56 U	0.43 U	0.68 UJT
C529	LW2-C529-C	0.71 UJ	2.6 UJ	0.61 U	3.4 U	1.4 U	3.4 UT
C529	LW2-C529-E	2.6 UJ	1.8 UJ	5.7 NJ	3.7 U	0.26 U	5.7 JT
C530	LW2-C530-B	0.44 UJ	1.4 NJ	0.61 U	11 NJ	0.85 U	12.4 JT
C530	LW2-C530-C	0.43 UJ	2.2 J	1.3 U	1.4 U	4.3 NJ	6.5 JT
C530	LW2-C530-E	1.4 UJ	4.5 UJ	3.3 NJ	3 U	1.1 U	3.3 JT
C531	LW2-C531-B	0.43 UJ	2.1 J	1.6 NJ	3.3 U	1.7 U	3.7 JT
C531	LW2-C531-C	0.43 UJ	6.8 UJ	5.1 J	330 NJ	1.8 U	335 JT
C531	LW2-C531-E	0.075 UJ	0.18 UJ	0.11 U	0.18 U	0.18 U	0.18 UT
C532	LW2-C532-B	0.33 UJ	0.64 UJ	0.21 J	0.58 U	0.2 U	0.21 JT
C532	LW2-C532-C	0.27 UJ	0.78 UJ	0.19 J	0.6 U	0.18 U	0.19 JT
C532	LW2-C532-E	0.083 UJ	0.63 UJ	0.39 J	0.71 UJ	0.2 UJ	0.39 JT
C532	LW2-C532-F	0.066 UJ	0.067 UJ	0.09 U	0.064 U	0.042 U	0.09 UT
C533	LW2-C533-B	0.093 UJ	0.095 UJ	0.13 U	0.2 J	0.059 U	0.2 JT
C533	LW2-C533-C	0.13 UJ	0.18 UJ	0.11 U	0.086 U	0.13 U	0.18 UJT
C533	LW2-C533-D	0.065 UJ	0.067 UJ	1.9 UJ	0.064 UJ	0.042 UJ	1.9 UJT
NA-1B	NA-1B-0046	0.466 J	0.513 J	0.025 U	0.316 NJ	0.438 J	1.73 JT
NA-1B	NA-1B-4668	0.681	0.353 J	0.0281 U	0.754 NJ	0.701 NJ	2.49 JT
NA-1B	NA-1B-6894	3.62 J	0.829	0.129 U	1.02 NJ	0.261 U	5.47 JT
NA-2B	NA-2B-3157	0.503	0.374 J	0.0264 U	0.394 NJ	0.543 J	1.81 JT
NA-2B	NA-2B-5794	0.463 NJ	0.259 NJ	0.0298 U	0.47 NJ	0.304 J	1.5 JT
NA-3B	NA-3B-3464	0.4 NJ	0.134 NJ	0.0197 U	0.128 J	0.0398 U	0.662 JT
NA-3B	NA-3B-6494	0.984 NJ	0.302 NJ	0.0214 U	0.0495 U	0.602 NJ	1.89 JT
NA-4B	NA-4B-2450	0.96 NJ	0.423 NJ	0.031 U	0.296 J	0.78 NJ	2.46 JT
NA-4B	NA-4B-5094	1.13 NJ	0.601 NJ	0.0297 U	0.396 J	0.981 NJ	3.11 JT
WR-VC-03	WLCDRD05VC00303	0.22 U	0.69 J	0.32 U	0.52 U	0.39 J	1.08 JT
WR-VC-04	WLCDRD05VC00404	0.2 U	0.56 U	0.29 U	0.94 U	0.29 U	0.94 UT
WR-VC-05	WLCDRD05VC00505	0.23 U	0.88 U	0.33 U	0.93 U	0.43 J	0.43 JT
WR-VC-06	WLCDRD05VC00606	0.24 U	0.49 U	0.35 U	0.92 U	0.35 U	0.92 UT
WR-VC-07	WLCDRD05VC00707	0.22 U	1.1 NJ	0.31 U	0.63 U	0.31 U	1.1 JT
WR-VC-08	WLCDRD05VC00808	0.23 U	0.75 J	0.38 U	0.33 U	0.33 U	0.75 JT
WR-VC-09	WLCDRD05VC00909	0.37 J	0.53 U	0.31 U	0.43 U	0.33 J	0.7 JT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID						
WR-VC-10	WLCDRD05VC01010	0.55 U	1.3 U	1 U	1.6 U	0.45 U	1.6 UT
WR-VC-11	WLCDRD05VC01111	0.38 J	0.65 J	0.31 U	0.53 U	0.31 U	1.03 JT
WR-VC-12	WLCDRD05VC01212	0.21 U	1 U	0.32 UJ	2.5 UJ	0.3 NJ	0.3 JT
WR-VC-13	WLCDRD05VC01313	0.35 J	0.75 J	0.31 U	0.68 U	0.42 J	1.52 JT
WR-VC-14	WLCDRD05VC01414	0.48 U	0.57 U	0.3 U	1 U	0.3 U	1 UT
WR-VC-15	WLCDRD05VC01515	0.29 J	0.59 U	1 U	0.61 U	0.36 J	0.65 JT
WR-VC-16	WLCDRD05VC01616	0.2 U	1.4 J	0.29 U	1.2 U	0.29 U	1.4 JT
WR-VC-17	WLCDRD05VC01717	0.21 U	0.76 J	0.3 U	0.3 U	0.33 U	0.76 JT
WR-VC-18	WLCDRD05VC01818	0.22 U	0.27 U	0.32 U	1.1 U	0.35 U	1.1 UT
WR-VC-19	WLCDRD05VC01919	0.22 U	0.21 NJ	0.32 U	1.1 U	0.32 U	0.21 JT
WR-VC-20	WLCDRD05VC02020	0.21 U	1.2 NJ	0.31 U	1.4 U	0.31 U	1.2 JT
WR-VC-22	WLCDRD05VC02222	0.24 U	0.65 U	0.39 U	0.64 U	0.46 J	0.46 JT
WR-VC-23	WLCDRD05VC02323	0.17 U	1.1 J	0.24 U	1.9 U	0.29 U	1.1 JT
WR-VC-24	WLCDRD05VC02424	0.24 U	0.52 J	0.35 U	1 U	0.35 U	0.52 JT
WR-VC-26	WLCDRD05VC02626	0.22 U	0.66 J	0.32 U	0.6 U	0.32 J	0.98 JT
WR-VC-28	WLCDRD05VC02828	0.24 U	0.75 U	0.35 U	0.6 U	0.79 NJ	0.79 JT
WR-VC-29	WLCDRD05VC02929	0.22 U	0.58 J	0.32 U	1 U	0.32 U	0.58 JT
WR-VC-30	WLCDRD05VC03030	0.24 U	0.84 J	0.35 U	1.3 U	0.79 NJ	1.63 JT
WR-VC-31	WLCDRD05VC03131	0.72 J	0.84 J	0.32 U	0.35 U	0.54 J	2.1 JT
WR-VC-32	WLCDRD05VC03232	0.29 J	0.78 U	0.33 U	0.56 U	0.67 NJ	0.96 JT
WR-VC-33	WLCDRD05VC03333	0.15 U	0.081 U	0.22 U	0.47 U	0.22 U	0.47 UT
WR-VC-34	WLCDRD05VC03434	0.25 U	0.77 J	0.36 U	0.36 U	0.68 J	1.45 JT
WR-VC-35	WLCDRD05VC03535	0.19 U	0.29 J	0.3 U	1 U	0.29 U	0.29 JT
WR-VC-36	WLCDRD05VC03636	0.25 U	0.27 NJ	0.36 U	0.36 U	0.36 U	0.27 JT
WR-VC-37	WLCDRD05VC03737	0.18 U	0.16 U	0.26 U	1 U	0.26 U	1 UT
WR-VC-39	WLCDRD05VC03939	0.21 U	0.12 U	0.3 U	0.63 U	0.3 U	0.63 UT
WR-VC-41	WLCDRD05VC04141	0.28 U	0.42 J	0.77 NJ	1 U	0.33 U	1.19 JT
WR-VC-42	WLCDRD05VC04242	0.16 U	0.96 U	0.23 U	1 U	1 U	1 UT
WR-VC-43	WLCDRD05VC04343	0.2 U	0.63 U	1 U	0.49 U	0.29 U	1 UT
WR-VC-45	WLCDRD05VC04545	0.21 U	0.91 J	0.31 U	0.81 U	0.31 U	0.91 JT
WR-VC-46	WLCDRD05VC04646	1.3 U	1 U	0.25 U	1.3 UJ	1.5 U	1.5 UT
WR-VC-47	WLCDRD05VC04747	0.21 U	0.59 J	1 U	0.59 U	0.3 U	0.59 JT
WR-VC-49	WLCDRD05VC04949	0.58 J	4.1 J	0.34 U	3.5 U	0.43 J	5.11 JT
WR-VC-50	WLCDRD05VC05050	10 U	10 U	10 U	10 U	9.8 U	10 UT
WR-VC-51	WLCDRD05VC05151	0.48 NJ	2.5 J	0.27 U	0.27 U	0.36 U	2.98 JT
WR-VC-52	WLCDRD05VC05252	8.2 J	15 U	10 U	2.9 U	12 U	8.2 JT
WR-VC-53	WLCDRD05VC05353	0.51 NJ	1.7	0.25 U	1.2 U	0.72 NJ	2.93 JT
WR-VC-54	WLCDRD05VC05454	8.2 U	10 U	4.3 U	3.2 U	5.7 U	10 UT
WR-VC-55	WLCDRD05VC05555	0.17 U	2.2 J	0.25 U	1.8 U	0.25 U	2.2 JT
WR-VC-56	WLCDRD05VC05656	0.94 U	3.1 U	1.9 U	1.5 J	2.1 U	1.5 JT
WR-VC-57	WLCDRD05VC05757	0.48 U	2.7 J	0.46 J	1 U	0.3 U	3.16 JT
WR-VC-58	WLCDRD05VC05858	0.99 U	0.83 NJ	1.3 U	1.3 U	0.71 U	0.83 JT
WR-VC-59	WLCDRD05VC05959	0.19 U	1 U	0.37 U	3.2 U	0.27 U	3.2 UT
WR-VC-60	WLCDRD05VC06060	0.17 U	1.1 U	0.24 U	1.6	0.48 U	1.6 T
WR-VC-61	WLCDRD05VC06161	0.2 U	1 U	0.28 U	2.9 U	0.28 U	2.9 UT
WR-VC-62	WLCDRD05VC06262	0.22 U	1.4 U	0.42 J	1.6 J	0.98 U	2.02 JT
WR-VC-64	WLCDRD05VC06464	0.25 U	0.84 J	0.37 U	0.43 U	0.86 NJ	1.7 JT
WR-VC-66	WLCDRD05VC06666	0.23 U	1.2 U	0.33 U	1.6 U	1 U	1.6 UT
WR-VC-68	WLCDRD05VC06868	0.23 U	1 U	0.34 U	1.5 U	1 U	1.5 UT
WR-VC-70	WLCDRD05VC07070	0.23 U	2.5 J	0.33 U	2.8 U	1 U	2.5 JT
WR-VC-72	WLCDRD05VC07272	0.22 U	1 U	0.32 U	2.5 U	1 U	2.5 UT
WR-VC-106	WLCDRD05VC106106	0.21 U	13 J	0.3 U	11 U	0.3 U	13 JT
WR-VC-108	WLCDRD05VC108108	4.5 U	1.2 U	0.76 U	3.3 U	4.4 U	4.5 UT
WR-VC-110	WLCDRD05VC110110	0.15 U	1.4 U	1 U	3.6 U	0.3 U	3.6 UT

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Table C2-18. Values Used in Total Chlordanes Calculations for Subsurface Sediment Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
WR-VC-114	WLCDRD05VC114114	0.22 U	0.87 NJ	0.31 U	0.84 U	0.31 U	0.87 JT
WR-VC-116	WLCDRD05VC116116	0.23 U	0.68 NJ	0.39 U	0.84 U	0.34 U	0.68 JT
WR-VC-118	WLCDRD05VC118118	0.2 U	1 U	0.29 U	1.6 U	0.29 U	1.6 UT
WR-VC-120	WLCDRD05VC120120	1 U	0.99 NJ	0.3 U	1.2 U	0.3 U	0.99 JT
WR-VC-122	WLCDRD05VC122122	0.19 U	0.24 J	0.28 U	0.28 U	0.28 U	0.24 JT
WR-VC-124	WLCDRD05VC124124	0.2 U	0.6 J	0.29 U	0.6 U	0.29 U	0.6 JT
WR-VC-126	WLCDRD05VC126126	0.22 J	0.88 NJ	0.27 U	0.57 U	0.27 U	1.1 JT
WR-VC-128	WLCDRD05VC128128	0.87 U	0.089 U	0.24 U	0.63 U	0.24 U	0.87 UT
WR-VC-130	WLCDRD05VC130130	0.15 U	0.68 U	0.22 U	0.82 U	0.22 U	0.82 UT
WR-VC-132	WLCDRD05VC132132	0.59 J	1.5 U	0.7 U	3.7 U	0.52 U	0.59 JT
WR-VC-134	WLCDRD05VC134134	0.15 U	1.3 NJ	0.22 U	0.77 U	0.22 U	1.3 JT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C009	LW2-C009-B	0.0259 UJ	0.0216 UJ	0.0664 UJ	0.0664 UJT
C009	LW2-C009-C	0.0362 U	0.675 NJ	0.0929 U	0.675 JT
C011-1	LW2-C011-B1	0.031 UJT	0.0259 UJT	0.0796 UJT	0.0796 UJT
C011-2	LW2-C011-B2	0.0294 U	0.0246 U	0.0755 UJ	0.0755 UJT
C011-1	LW2-C011-C1	0.0386 UJT	0.0323 UJT	0.0991 UJT	0.0991 UJT
C011-2	LW2-C011-C2	0.318 U	0.266 U	0.816 UJ	0.816 UJT
C011-1	LW2-C011-D1	0.313 UJT	0.262 UJT	0.804 UJT	0.804 UJT
C011-2	LW2-C011-D2	0.0387 U	0.0323 U	0.0994 UJ	0.0994 UJT
C011-2	LW2-C011-E2	0.0301 U	0.0251 U	0.0771 UJ	0.0771 UJT
C011-1	LW2-C011-F1	0.056 U	0.086 U	0.17 U	0.17 UT
C015	LW2-C015-B	0.0376 UJ	0.0314 UJ	0.0963 UJ	0.0963 UJT
C015	LW2-C015-C	0.306 U	0.255 U	0.785 U	0.785 UT
C015	LW2-C015-D	0.355 U	0.297 U	0.912 U	0.912 UT
C015	LW2-C015-E	0.2 U	0.11 U	0.081 U	0.2 UT
C019-1	LW2-C019-B1	0.028 U	0.0234 U	0.0718 U	0.0718 UT
C019-1	LW2-C019-C1	0.296 U	0.247 U	0.759 U	0.759 UT
C019-1	LW2-C019-D1	1.3 U	2.8 U	0.4 U	2.8 UT
C019-2	LW2-C019-E2	0.055 U	0.084 U	0.27 U	0.27 UT
C020	LW2-C020-B	0.0404 U	0.0338 U	0.104 U	0.104 UT
C020	LW2-C020-C	0.146 U	0.122 U	0.375 U	0.375 UT
C020	LW2-C020-D	1 U	5.9 U	1 U	5.9 UT
C022	LW2-C022-B	0.0421 U	0.0351 U	0.108 U	0.108 UT
C022	LW2-C022-C	0.0436 U	0.0364 U	0.112 U	0.112 UT
C025-1	LW2-C025-B1	0.0307 U	0.0257 U	0.0788 U	0.0788 UT
C025-1	LW2-C025-C1	0.0371 U	0.323 J	0.0952 U	0.323 JT
C025-2	LW2-C025-D2	0.0302 UJ	0.485 NJ	0.0774 UJ	0.485 JT
C027	LW2-C027-B	0.0324 UJ	0.027 UJ	0.0831 UJ	0.0831 UJT
C027	LW2-C027-C	0.0359 UJ	0.03 UJ	0.0921 UJ	0.0921 UJT
C034	LW2-C034-B	0.0305 UJ	0.225 NJ	0.0782 UJ	0.225 JT
C034	LW2-C034-C	0.0307 UJ	0.318 NJ	0.0789 UJ	0.318 JT
C034	LW2-C034-E	0.031 UJ	0.186 J	0.0794 UJ	0.186 JT
C034	LW2-C034-F	0.056 U	0.086 U	0.23 UJ	0.23 UJT
C038	LW2-C038-B	0.0309 U	0.0258 UJ	0.0793 UJ	0.0793 UJT
C038	LW2-C038-C	0.0289 U	0.0241 UJ	0.0741 UJ	0.0741 UJT
C038	LW2-C038-D	0.0347 UJ	0.029 UJ	0.0891 UJ	0.0891 UJT
C060	LW2-C060-B	0.197 UJ	0.164 UJ	0.505 UJ	0.505 UJT
C060	LW2-C060-C	0.2 UJ	0.167 UJ	0.514 UJ	0.514 UJT
C061	LW2-C061-C	0.4 NJ	0.27	0.09 UJ	0.67 JT
C061	LW2-C061-E	0.051 U	0.077 U	0.08 UJ	0.08 UJT
C062	LW2-C062-B	0.029 U	0.307 NJ	0.0744 UJ	0.307 JT
C062	LW2-C062-C	0.031 U	0.277 NJ	0.0795 UJ	0.277 JT
C062	LW2-C062-D	0.0307 U	0.0256 UJ	0.0787 UJ	0.0787 UJT
C064	LW2-C064-B	0.196 UJ	0.518 NJ	0.502 UJ	0.518 JT
C064	LW2-C064-C	0.0347 UJ	0.291 NJ	0.0891 UJ	0.291 JT
C066	LW2-C066-B	0.0351 UJ	0.0293 UJ	0.0901 UJ	0.0901 UJT
C066	LW2-C066-C	0.33 J	0.422 NJ	0.0865 UJ	0.752 JT
C066	LW2-C066-F	0.085 J	0.094 U	0.52 U	0.085 JT
C067	LW2-C067-B	0.0389 U	0.0325 U	0.0997 UJ	0.0997 UJT
C067	LW2-C067-D	0.199 U	0.166 U	0.51 UJ	0.51 UJT
C067	LW2-C067-E	0.177 U	0.147 U	0.453 UJ	0.453 UJT
C073	LW2-C073-B	0.0306 UJ	0.173 J	0.0788 UJ	0.173 JT
C073	LW2-C073-C	0.17 UJ	0.142 UJ	0.436 UJ	0.436 UJT
C073	LW2-C073-D	0.143 UJ	0.12 UJ	0.368 UJ	0.368 UJT
C074	LW2-C074-B	0.0369 U	0.0308 U	0.0948 UJ	0.0948 UJT
C074	LW2-C074-C	0.152 U	0.127 U	0.391 UJ	0.391 UJT
C074	LW2-C074-D	0.0337 U	0.0282 U	0.0865 UJ	0.0865 UJT
C074	LW2-C074-F	0.0307 U	0.37 J	0.0789 UJ	0.37 JT
C077	LW2-C077-C	0.164 UJ	0.372 J	0.422 UJ	0.372 JT
C077	LW2-C077-D	0.0358 UJ	0.213 NJ	0.0918 UJ	0.213 JT
C078	LW2-C078-B	0.054 U	0.083 U	0.085 U	0.085 UT
C078	LW2-C078-C	0.054 U	0.083 U	0.085 U	0.085 UT
C079	LW2-C079-B	0.059 U	0.089 U	0.092 U	0.092 UT
C079	LW2-C079-C	0.055 U	0.084 U	0.087 U	0.087 UT
C080	LW2-C080-B	0.24 U	0.073 U	0.076 U	0.24 UT
C080	LW2-C080-C	0.049 U	0.074 U	0.077 U	0.077 UT
C082	LW2-C082-B1	0.085 U	0.11 NJ	0.2 UJ	0.11 JT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C082-2	LW2-C082-B2	0.12 UT	0.18 JT	0.08 UT	0.18 JT
C082	LW2-C082-C1	0.05 U	0.076 U	0.078 UJ	0.078 UJT
C082-2	LW2-C082-C2	0.049 UT	0.075 UT	0.078 UT	0.078 UT
C082	LW2-C082-D1	0.043 U	0.066 U	0.068 U	0.068 UT
C082-2	LW2-C082-D2	0.047 UT	0.072 UT	0.074 UT	0.074 UT
C083	LW2-C083-B	0.33 U	0.38 U	0.094 U	0.38 UT
C083	LW2-C083-C	0.33 U	0.39 U	0.085 U	0.39 UT
C084	LW2-C084-B	0.35 U	0.44 U	0.11 U	0.44 UT
C084	LW2-C084-C	0.056 U	0.086 U	0.089 U	0.089 UT
C084	LW2-C084-D	0.056 U	0.085 U	0.2 U	0.2 UT
C086	LW2-C086-B	0.0396 UJ	0.0331 UJ	0.102 UJ	0.102 UJT
C086	LW2-C086-C	0.026 UJ	0.205 NJ	0.0668 UJ	0.205 JT
C087	LW2-C087-B	0.29 U	0.45 U	0.1 U	0.45 UT
C087	LW2-C087-C	0.051 U	0.078 U	0.099 U	0.099 UT
C088	LW2-C088-B	0.062 U	1.6 J	3.5 NJ	5.1 JT
C088	LW2-C088-C	0.046 U	0.07 U	0.072 U	0.072 UT
C089	LW2-C089-B	24 U	1.7 UJ	0.21 UJ	24 UT
C089	LW2-C089-C	0.2 U	0.074 UJ	0.076 U	0.2 UT
C089	LW2-C089-D	0.057 U	0.086 UJ	0.089 U	0.089 UT
C090	LW2-C090-B	0.34 U	1.9	0.2 U	1.9 T
C090	LW2-C090-C	0.047 U	0.071 U	0.073 U	0.073 UT
C091	LW2-C091-B	0.33 U	0.5 U	0.11 U	0.5 UT
C091	LW2-C091-C	0.35 U	2.7 NJ	0.11 U	2.7 JT
C091	LW2-C091-D	0.05 U	0.077 U	0.079 U	0.079 UT
C092	LW2-C092-B	180 NJ	26 U	0.6 U	180 JT
C092	LW2-C092-C	34 U	8.1 UJ	0.6 U	34 UT
C092	LW2-C092-D	0.2 U	0.31 UJ	0.087 U	0.31 UJT
C092	LW2-C092-E	0.057 U	0.086 UJ	0.089 U	0.089 UT
C093	LW2-C093-B	0.527 U	0.44 U	1.35 UJ	1.35 UJT
C093	LW2-C093-C	0.0308 U	0.357 J	0.079 UJ	0.357 JT
C094	LW2-C094-B	3.1 U	2.8 U	1.2 U	3.1 UT
C094	LW2-C094-C	0.058 U	0.089 U	0.092 U	0.092 UT
C096	LW2-C096-B	9.5 J	0.32 U	0.078 U	9.5 JT
C096	LW2-C096-C	0.051 U	0.077 U	0.08 U	0.08 UT
C099	LW2-C099-B	0.38 U	0.35 U	0.12 U	0.38 UT
C099	LW2-C099-C	1.3 U	2 U	2.1 U	2.1 UT
C103	LW2-C103-B	0.067 U	0.2 UJ	0.11 U	0.2 UJT
C103	LW2-C103-D	0.069 U	0.42 UJ	0.1 U	0.42 UJT
C103	LW2-C103-E	0.05 U	0.076 UJ	0.078 U	0.078 UT
C105	LW2-C105-B	0.0372 U	0.0311 U	0.0955 UJ	0.0955 UJT
C105	LW2-C105-C	0.0358 U	0.339 NJ	0.0917 UJ	0.339 JT
C106	LW2-C106-B	0.2 U	0.2 UJ	0.2 U	0.2 UT
C106	LW2-C106-C	1.3 U	2 U	2.1 U	2.1 UT
C106	LW2-C106-E	0.096 U	4.7 NJ	0.1 U	4.7 JT
C106	LW2-C106-F	0.053 U	0.081 U	0.083 U	0.083 UT
C109	LW2-C109-B	0.27 U	0.2 UJ	0.3 U	0.3 UT
C109	LW2-C109-C	0.066 U	0.7 J	0.11 U	0.7 JT
C109	LW2-C109-E	0.05 U	0.077 UJ	0.079 U	0.079 UT
C111-1	LW2-C111-B	0.0399 U	0.0333 U	0.102 UJ	0.102 UJT
C111-2	LW2-C111-B2	0.0391 U	0.0327 U	0.1 UJ	0.1 UJT
C111-1	LW2-C111-C	0.0424 U	0.0354 U	0.109 UJ	0.109 UJT
C111-2	LW2-C111-C2	0.202 U	0.169 U	0.518 UJ	0.518 UJT
C111-2	LW2-C111-E2	0.191 UJ	0.159 UJ	0.489 UJ	0.489 UJT
C111-1	LW2-C111-F	0.168 U	0.14 U	0.43 UJ	0.43 UJT
C112	LW2-C112-B	0.0409 U	0.0341 U	0.105 UJ	0.105 UJT
C112	LW2-C112-C	0.208 U	0.174 U	0.533 UJ	0.533 UJT
C112	LW2-C112-D	0.207 U	0.173 U	0.53 UJ	0.53 UJT
C121	LW2-C121-B	0.187 UJ	0.156 UJ	0.48 UJ	0.48 UJT
C121	LW2-C121-C	0.184 UJ	0.154 UJ	0.473 UJ	0.473 UJT
C121	LW2-C121-D	0.094 U	0.078 U	0.08 UJ	0.094 UT
C122	LW2-C122-B	0.194 U	0.162 U	0.498 UJ	0.498 UJT
C122	LW2-C122-C	0.356 U	0.298 U	0.914 UJ	0.914 UJT
C127	LW2-C127-B	0.66 U	1.1 UJ	0.52 U	1.1 UJT
C127	LW2-C127-C	0.33 U	2.1 UJ	0.51 U	2.1 UJT
C127	LW2-C127-D	0.052 U	0.079 UJ	0.082 U	0.082 UT
C130	LW2-C130-B	0.232 U	0.194 U	0.595 UJ	0.595 UJT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C130	LW2-C130-C	0.0273 U	0.0228 U	0.07 UJ	0.07 UJT
C130	LW2-C130-E	0.0315 U	0.0263 U	0.0808 UJ	0.0808 UJT
C133	LW2-C133-B	0.0446 UJ	0.0373 UJ	0.115 UJ	0.115 UJT
C133	LW2-C133-C	0.15 J	0.2 U	0.2 U	0.15 JT
C133	LW2-C133-D	0.201 UJ	0.168 UJ	0.517 UJ	0.517 UJT
C135	LW2-C135-B	1.5 U	2.3 U	2.3 U	2.3 UT
C135	LW2-C135-D	0.066 U	0.67 U	0.25 U	0.67 UT
C136	LW2-C136-B	0.245 U	0.204 U	0.628 UJ	0.628 UJT
C136	LW2-C136-C	0.231 U	0.193 U	0.593 UJ	0.593 UJT
C136	LW2-C136-D	0.201 U	0.168 U	0.516 UJ	0.516 UJT
C138	LW2-C138-B	0.069 U	0.27	0.11 U	0.27 T
C138	LW2-C138-D	0.052 U	0.079 U	0.082 UJ	0.082 UJT
C139	LW2-C139-B	0.224 U	0.187 U	0.573 UJ	0.573 UJT
C139	LW2-C139-C	0.0682 U	0.057 U	0.175 UJ	0.175 UJT
C139	LW2-C139-D	0.049 U	0.074 U	0.076 UJ	0.076 UJT
C142	LW2-C142-B	0.215 U	0.179 U	0.551 UJ	0.551 UJT
C142	LW2-C142-C	0.395 U	0.329 U	1.01 UJ	1.01 UJT
C144	LW2-C144-B	0.15 U	0.11 U	0.71 U	0.71 UT
C144	LW2-C144-D	0.3 U	0.08 U	0.16 U	0.3 UT
C147	LW2-C147-B	0.209 U	0.174 U	0.536 UJ	0.536 UJT
C147	LW2-C147-C	0.19 U	0.159 U	0.487 UJ	0.487 UJT
C147	LW2-C147-D	2.3 U	1.1 U	1.1 U	2.3 UT
C147	LW2-C147-E	0.4 U	0.334 U	1.03 UJ	1.03 UJT
C148	LW2-C148-B	0.32 U	0.48 U	0.5 U	0.5 UT
C148	LW2-C148-D	0.2 U	0.47 NJ	0.2 U	0.47 JT
C155	LW2-C155-B	0.187 U	0.257 U	0.48 U	0.48 UT
C155	LW2-C155-C	0.187 U	0.245 U	0.479 U	0.479 UT
C157	LW2-C157-B	0.199 UJ	0.166 UJ	0.509 UJ	0.509 UJT
C157	LW2-C157-C	0.184 UJ	0.154 UJ	0.472 UJ	0.472 UJT
C158	LW2-C158-B	0.14 U	0.12 U	0.2 U	0.2 UT
C158	LW2-C158-D	0.054 U	0.13 U	0.085 U	0.13 UT
C160	LW2-C160-B	0.197 UJ	0.165 UJ	0.506 UJ	0.506 UJT
C160	LW2-C160-C	0.189 UJ	0.158 UJ	0.484 UJ	0.484 UJT
C161	LW2-C161-B	0.204 UJ	0.278 J	0.522 UJ	0.278 JT
C161	LW2-C161-C	0.17 UJ	0.142 UJ	0.436 UJ	0.436 UJT
C162	LW2-C162-B	0.13 U	0.24 U	0.22 U	0.24 UT
C162	LW2-C162-D	0.46 U	0.081 U	0.084 UJ	0.46 UT
C163-1	LW2-C163-B1	0.0284 UJ	0.263 NJ	0.0729 UJ	0.263 JT
C163-2	LW2-C163-B2	0.0266 UJT	0.12 JT	0.0682 UJT	0.12 JT
C163-1	LW2-C163-C1	0.125 NJ	0.257 J	0.112 UJ	0.382 JT
C163-2	LW2-C163-C2	0.177 UJT	0.147 UJT	0.453 UJT	0.453 UJT
C164	LW2-C164-B	0.0273 U	0.0228 U	0.0701 UJ	0.0701 UJT
C164	LW2-C164-C	0.0286 U	0.0239 U	0.0735 UJ	0.0735 UJT
C164	LW2-C164-E	0.187 U	0.156 U	0.479 UJ	0.479 UJT
C166	LW2-C166-B	0.166 UJ	0.139 UJ	0.426 UJ	0.426 UJT
C166	LW2-C166-C	0.183 UJ	0.152 UJ	0.468 UJ	0.468 UJT
C166	LW2-C166-D	0.183 UJ	0.152 UJ	0.468 UJ	0.468 UJT
C167	LW2-C167-B	0.073 U	0.12 U	0.12 UJ	0.12 UJT
C167	LW2-C167-C	0.068 U	0.21 U	0.91 UJ	0.91 UJT
C167	LW2-C167-D	0.2 U	0.084 U	0.086 UJ	0.2 UT
C169	LW2-C169-C	0.17 U	0.14 U	0.17 U	0.17 UT
C170	LW2-C170-B	0.181 U	0.151 U	0.463 UJ	0.463 UJT
C170	LW2-C170-C	0.0301 U	0.0251 U	0.0771 UJ	0.0771 UJT
C171	LW2-C171-B	0.0476 UJ	0.0397 UJ	0.122 UJ	0.122 UJT
C171	LW2-C171-C	0.173 U	0.144 U	0.443 UJ	0.443 UJT
C171	LW2-C171-D	0.054 U	0.082 U	0.085 U	0.085 UT
C172	LW2-C172-B	0.0421 U	0.59 U	0.108 UJ	0.59 UT
C172	LW2-C172-C	0.525 U	0.439 U	1.35 UJ	1.35 UJT
C172	LW2-C172-E	0.052 U	0.08 U	0.082 U	0.082 UT
C173	LW2-C173-B	0.87 U	0.56 U	0.58 U	0.87 UT
C173	LW2-C173-D	0.05 U	0.077 U	0.079 U	0.079 UT
C176	LW2-C176-B	0.044 U	0.0367 U	0.113 UJ	0.113 UJT
C176	LW2-C176-C	0.221 U	0.028 U	0.0861 UJ	0.221 UT
C176	LW2-C176-G	0.087 U	0.0259 U	0.0797 UJ	0.087 UT
C179	LW2-C179-B	0.395 U	0.329 U	1.01 UJ	1.01 UJT
C179	LW2-C179-C	0.202 U	0.168 U	0.518 UJ	0.518 UJT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C179	LW2-C179-D	0.191 U	0.16 U	0.491 UJ	0.491 UJT
C182	LW2-C182-B	0.177 U	0.148 U	0.453 UJ	0.453 UJT
C182	LW2-C182-C	0.202 U	0.168 U	0.518 U	0.518 UT
C182	LW2-C182-D	4 U	2 U	6.7 U	6.7 UT
C184	LW2-C184-B	0.193 UJ	0.161 UJ	0.496 UJ	0.496 UJT
C184	LW2-C184-C	0.371 U	0.31 U	0.952 UJ	0.952 UJT
C184	LW2-C184-D	0.0339 U	0.0283 U	0.0869 UJ	0.0869 UJT
C187	LW2-C187-B	0.57 U	0.87 U	0.9 U	0.9 UT
C187	LW2-C187-C	4.7 U	0.87 U	0.9 U	4.7 UT
C187	LW2-C187-D	0.049 U	0.075 U	0.077 U	0.077 UT
C192	LW2-C192-B	0.19 U	0.159 U	0.488 UJ	0.488 UJT
C192	LW2-C192-C	0.194 U	0.162 U	0.497 UJ	0.497 UJT
C192	LW2-C192-D	0.148 U	0.124 U	0.38 UJ	0.38 UJT
C196	LW2-C196-B	0.52 U	0.12 J	0.08 UJ	0.12 JT
C196	LW2-C196-C	0.05 U	0.076 U	0.079 U	0.079 UT
C197	LW2-C197-B	0.214 U	0.178 U	0.548 UJ	0.548 UJT
C197	LW2-C197-C	0.205 U	0.171 U	0.527 UJ	0.527 UJT
C197	LW2-C197-D	0.0272 U	0.216 J	0.0698 UJ	0.216 JT
C199	LW2-C199-B	0.495 J	0.156 U	0.48 UJ	0.495 JT
C199	LW2-C199-C	0.0343 U	0.0286 U	0.0879 UJ	0.0879 UJT
C202	LW2-C202-B	0.409 U	0.341 U	1.05 UJ	1.05 UJT
C202	LW2-C202-C	0.421 U	0.351 U	1.08 UJ	1.08 UJT
C202	LW2-C202-D	0.049 U	0.075 U	0.077 U	0.077 UT
C203	LW2-C203-B	0.202 UJ	0.168 UJ	0.517 UJ	0.517 UJT
C203	LW2-C203-C	0.199 UJ	0.166 UJ	0.511 UJ	0.511 UJT
C203	LW2-C203-E	0.0338 U	0.0282 U	0.0867 UJ	0.0867 UJT
C206	LW2-C206-B	0.217 U	0.182 U	0.558 UJ	0.558 UJT
C206	LW2-C206-C	0.0267 U	0.0223 U	0.0684 UJ	0.0684 UJT
C207-1	LW2-C207-B	0.203 U	0.17 U	0.522 UJ	0.522 UJT
C207-2	LW2-C207-B2	0.206 UT	0.172 UT	0.529 UJT	0.529 UJT
C207-1	LW2-C207-C	0.0332 UJ	0.191 J	0.0852 UJ	0.191 JT
C207-2	LW2-C207-C2	0.034 UT	0.228 JT	0.0872 UJT	0.228 JT
C207-1	LW2-C207-D	0.18 U	0.15 U	0.462 UJ	0.462 UJT
C210	LW2-C210-B	0.191 U	0.0273 U	0.0839 UJ	0.191 UT
C210	LW2-C210-C	0.117 U	0.0253 U	0.0776 UJ	0.117 UT
C213	LW2-C213-B	0.0289 U	0.163	0.0742 UJ	0.163 T
C213	LW2-C213-C	0.253 NJ	0.0263 U	0.0808 UJ	0.253 JT
C213	LW2-C213-D	0.0307 U	0.378 J	0.0787 UJ	0.378 JT
C215	LW2-C215-B	0.048 U	0.073 U	0.076 U	0.076 UT
C215	LW2-C215-C	0.047 U	0.072 U	0.074 U	0.074 UT
C220	LW2-C220-B	0.149 U	0.498 NJ	0.383 UJ	0.498 JT
C220	LW2-C220-C	0.0325 UJ	0.0272 U	0.0835 UJ	0.0835 UJT
C221	LW2-C221-B	1.34 NJ	1.01 J	0.406 UJ	2.35 JT
C221	LW2-C221-C	0.158 U	0.454 NJ	0.406 UJ	0.454 JT
C227	LW2-C227-B	1 U	0.45 J	1 UJ	0.45 JT
C227	LW2-C227-C	1 U	0.66 UJ	0.93 UJ	1 UT
C228	LW2-C228-B	0.18 UJ	0.15 UJ	0.462 UJ	0.462 UJT
C231	LW2-C231-B	0.195 U	0.163 U	0.501 UJ	0.501 UJT
C231	LW2-C231-C	0.165 U	0.137 U	0.422 UJ	0.422 UJT
C232	LW2-C232-B	0.0272 U	0.0227 U	0.0697 UJ	0.0697 UJT
C232	LW2-C232-C	0.03 U	0.025 U	0.0769 UJ	0.0769 UJT
C240	LW2-C240-B	0.207 U	0.173 UJ	0.531 UJ	0.531 UJT
C240	LW2-C240-D	0.933 U	0.779 U	2.39 UJ	2.39 UJT
C240	LW2-C240-E	0.951 U	0.794 U	2.44 UJ	2.44 UJT
C244	LW2-C244-B	0.0388 U	0.0324 U	0.0996 UJ	0.0996 UJT
C244	LW2-C244-C	0.233 U	0.195 U	0.598 UJ	0.598 UJT
C245	LW2-C245-B	0.198 U	0.165 U	0.508 UJ	0.508 UJT
C245	LW2-C245-C	0.167 U	0.14 U	0.429 UJ	0.429 UJT
C245	LW2-C245-D	0.191 U	0.16 U	0.49 UJ	0.49 UJT
C245	LW2-C245-E	0.0336 U	0.028 U	0.0861 UJ	0.0861 UJT
C247	LW2-C247-B	0.0317 UJ	0.0264 U	0.0812 UJ	0.0812 UJT
C247	LW2-C247-C	0.0316 UJ	0.2 NJ	0.081 UJ	0.2 JT
C247	LW2-C247-D	0.0323 UJ	0.027 U	0.0828 UJ	0.0828 UJT
C252	LW2-C252-B	0.15 UJ	0.125 UJ	0.385 UJ	0.385 UJT
C252	LW2-C252-C	0.384 U	0.32 U	0.984 UJ	0.984 UJT
C252	LW2-C252-D	0.39 U	0.48 U	0.5 U	0.5 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C254	LW2-C254-B	0.252 U	0.211 UJ	0.647 U	0.647 UT
C254	LW2-C254-C	0.0248 U	0.208 NJ	0.0635 U	0.208 JT
C255	LW2-C255-B	0.0288 U	0.467 NJ	0.0738 UJ	0.467 JT
C255	LW2-C255-C	0.027 U	0.0225 U	0.0693 UJ	0.0693 UJT
C257	LW2-C257-B	0.144 U	0.627 NJ	0.37 UJ	0.627 JT
C258	LW2-C258-B	0.157 U	0.131 U	0.403 UJ	0.403 UJT
C258	LW2-C258-C	0.152 U	0.127 U	0.39 U	0.39 UT
C260	LW2-C260-B	0.146 UJ	0.122 UJ	0.375 UJ	0.375 UJT
C260	LW2-C260-C	0.186 UJ	0.155 UJ	0.477 UJ	0.477 UJT
C260	LW2-C260-D	0.049 U	0.075 U	0.078 U	0.078 UT
C263	LW2-C263-B	0.466 U	0.389 U	1.2 UJ	1.2 UJT
C263	LW2-C263-D	0.429 U	2.21 NJ	1.1 UJ	2.21 JT
C264	LW2-C264-B	0.198 U	0.166 U	0.509 U	0.509 UT
C264	LW2-C264-C	0.175 U	0.146 U	0.45 U	0.45 UT
C264	LW2-C264-D	0.051 U	0.078 U	0.081 U	0.081 UT
C266	LW2-C266-B	0.0267 UJ	0.133 J	0.0684 UJ	0.133 JT
C266	LW2-C266-C	0.183 UJ	0.153 UJ	0.47 UJ	0.47 UJT
C267	LW2-C267-B	0.204 UJ	0.525 NJ	0.523 UJ	0.525 JT
C267	LW2-C267-C	0.0269 U	0.272 J	0.069 U	0.272 JT
C268	LW2-C268-B	0.0296 U	0.267 NJ	0.0758 U	0.267 JT
C268	LW2-C268-C	0.0253 U	0.213 NJ	0.065 U	0.213 JT
C269	LW2-C269-B	35.8 NJ	0.184 U	0.566 UJ	35.8 JT
C269	LW2-C269-C	0.205 U	0.171 U	0.527 UJ	0.527 UJT
C269	LW2-C269-D	4.2 U	6.7 U	1.3 U	6.7 UT
C269	LW2-C269-F	0.18 U	2.4 NJ	0.463 UJ	2.4 JT
C270	LW2-C270-B	1.07 U	0.89 U	2.74 UJ	2.74 UJT
C270	LW2-C270-C	0.975 U	0.814 U	2.5 UJ	2.5 UJT
C270	LW2-C270-D	0.052 U	0.08 U	0.082 U	0.082 UT
C272	LW2-C272-B	0.0285 U	0.231 NJ	0.0732 UJ	0.231 JT
C272	LW2-C272-C	0.0266 U	0.236 NJ	0.0682 UJ	0.236 JT
C273	LW2-C273-B	0.451 U	0.376 U	1.16 UJ	1.16 UJT
C273	LW2-C273-C	0.376 U	0.314 U	0.966 UJ	0.966 UJT
C273	LW2-C273-D	0.81 U	0.24 U	0.25 U	0.81 UT
C276	LW2-C276-B	0.212 U	0.177 U	0.544 UJ	0.544 UJT
C276	LW2-C276-C	0.831 U	0.694 U	2.13 UJ	2.13 UJT
C276	LW2-C276-D	0.27 U	0.4 U	0.42 U	0.42 UT
C277	LW2-C277-B	0.0459 U	0.0383 U	0.118 U	0.118 UT
C277	LW2-C277-C	0.0407 U	0.034 U	0.104 U	0.104 UT
C277	LW2-C277-D	0.201 U	0.167 U	0.514 U	0.514 UT
C278	LW2-C278-B	0.441 UJ	0.368 U	1.13 UJ	1.13 UJT
C278	LW2-C278-C	0.382 U	2.2 U	0.981 UJ	2.2 UT
C278	LW2-C278-D	0.0311 U	0.0259 U	0.0797 UJ	0.0797 UJT
C280	LW2-C280-B	0.206 U	0.172 U	0.529 UJ	0.529 UJT
C280	LW2-C280-C	0.177 U	0.148 U	0.455 UJ	0.455 UJT
C280	LW2-C280-D	0.156 U	0.915 NJ	0.4 UJ	0.915 JT
C282	LW2-C282-B	0.028 UJ	0.0233 U	0.0717 UJ	0.0717 UJT
C282	LW2-C282-C	0.0261 UJ	0.0218 U	0.0669 UJ	0.0669 UJT
C282	LW2-C282-D	0.0279 UJ	0.0233 U	0.0716 UJ	0.0716 UJT
C283	LW2-C283-B	0.843 U	0.704 U	2.16 UJ	2.16 UJT
C283	LW2-C283-C	0.718 U	1.94 J	1.84 UJ	1.94 JT
C283	LW2-C283-E	0.0311 U	0.026 U	0.0798 UJ	0.0798 UJT
C284	LW2-C284-B	0.216 U	0.181 U	0.555 UJ	0.555 UJT
C284	LW2-C284-C	0.915 U	0.764 U	2.35 UJ	2.35 UJT
C284	LW2-C284-D	0.156 U	0.13 U	0.401 UJ	0.401 UJT
C288	LW2-C288-B	0.438 U	0.366 U	1.12 UJ	1.12 UJT
C288	LW2-C288-C	0.404 U	0.337 U	1.04 UJ	1.04 UJT
C288	LW2-C288-D	0.189 U	0.157 U	0.484 UJ	0.484 UJT
C290	LW2-C290-B	0.05 U	0.2 U	0.078 U	0.2 UT
C290	LW2-C290-D	0.052 U	0.08 U	0.082 U	0.082 UT
C291	LW2-C291-B	0.19 U	0.12 U	0.12 U	0.19 UT
C291	LW2-C291-C	0.071 U	0.2 U	0.12 U	0.2 UT
C293-1	LW2-C293-B	0.246 UJ	0.205 UJ	0.63 UJ	0.63 UJT
C293-2	LW2-C293-B2	0.238 U	0.198 U	0.609 U	0.609 UT
C293-1	LW2-C293-C	0.209 U	0.174 UJ	0.535 U	0.535 UT
C293-2	LW2-C293-C2	0.208 U	1.1 NJ	0.532 U	1.1 JT
C293-1	LW2-C293-D	0.0398 UJ	0.38 J	0.102 UJ	0.38 JT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C294	LW2-C294-B	0.398 U	0.332 U	1.02 UJ	1.02 UJT
C294	LW2-C294-C	0.395 U	0.329 U	1.01 UJ	1.01 UJT
C294	LW2-C294-D	0.351 U	0.293 U	0.9 UJ	0.9 UJT
C295	LW2-C295-B	0.0452 U	0.0378 U	0.116 UJ	0.116 UJT
C295	LW2-C295-C	0.417 U	0.348 U	1.07 UJ	1.07 UJT
C296	LW2-C296-B	0.074 UJ	1 J	0.12 UJ	1 JT
C296	LW2-C296-C	0.061 UJ	0.092 UJ	0.095 UJ	0.095 UJT
C299	LW2-C299-C	9 U	56 J	15 U	56 JT
C300-2	LW2-C300-B	0.36 U	0.87 U	0.57 U	0.87 UT
C300-2	LW2-C300-D	1.3 U	0.38 U	0.39 U	1.3 UT
C301	LW2-C301-B	3.92 U	3.27 U	10 UJ	10 UJT
C301	LW2-C301-C	12.9 U	170 J	33 UJ	170 JT
C301	LW2-C301-D	0.298 UJ	0.248 U R		0.298 UJT
C301	LW2-C301-E	10.7 U	8.94 U	27.5 UJ	27.5 UJT
C301	LW2-C301-G	0.698 U	6.98 J	1.79 UJ	6.98 JT
C302	LW2-C302-B	0.957 U	0.799 U	2.45 UJ	2.45 UJT
C302	LW2-C302-C	6.56 U	5.47 U	16.8 UJ	16.8 UJT
C302	LW2-C302-D	40 U	95 U	71 U	95 UT
C303	LW2-C303-B	0.72 NJ	1.1 NJ	4.3 UJ	1.82 JT
C303	LW2-C303-C	0.2 UJ	0.19 UJ	0.078 UJ	0.2 UJT
C305-1	LW2-C305-B1	0.4 U	0.334 U	1.03 UJ	1.03 UJT
C305-2	LW2-C305-B2	0.379 U	0.316 U	0.972 UJ	0.972 UJT
C305-1	LW2-C305-C1	0.158 U	0.132 U	0.405 UJ	0.405 UJT
C305-2	LW2-C305-C2	0.383 U	0.32 U	0.983 UJ	0.983 UJT
C305-1	LW2-C305-D1	0.0301 U	0.0251 U	0.0772 UJ	0.0772 UJT
C305-2	LW2-C305-D2	0.0289 U	0.0241 U	0.0741 UJ	0.0741 UJT
C311	LW2-C311-B	0.406 U	0.339 U	1.04 U	1.04 UT
C311	LW2-C311-C	0.404 U	0.338 U	1.04 U	1.04 UT
C311	LW2-C311-E	0.351 U	0.293 U	0.9 U	0.9 UT
C312	LW2-C312-B	0.23 U	0.31 U	0.084 UJ	0.31 UT
C312	LW2-C312-C	0.048 U	0.073 U	0.075 UJ	0.075 UJT
C313	LW2-C313-B	0.031 UJ	0.138 J	0.0796 UJ	0.138 JT
C313	LW2-C313-C	0.0335 UJ	0.232 NJ	0.086 UJ	0.232 JT
C314	LW2-C314-B	0.237 UJ	0.198 UJ	0.609 UJ	0.609 UJT
C314	LW2-C314-C	0.205 UJ	0.171 UJ	0.526 UJ	0.526 UJT
C314	LW2-C314-D	0.053 U	0.2 U	0.084 UJ	0.2 UT
C316	LW2-C316-B	0.193 UJ	0.861 J	0.494 UJ	0.861 JT
C316	LW2-C316-C	0.196 U	0.164 U	0.503 UJ	0.503 UJT
C316	LW2-C316-D	0.385 U	0.322 U	0.988 UJ	0.988 UJT
C321	LW2-C321-B1	0.27 U	0.52 U	4.2 UJ	4.2 UJT
C321-2	LW2-C321-B2	0.055 U	0.3 U	0.49 UJ	0.49 UJT
C321	LW2-C321-C1	0.053 U	0.08 U	0.083 UJ	0.083 UJT
C321-2	LW2-C321-C2	0.053 U	0.08 U	0.083 UJ	0.083 UJT
C321-2	LW2-C321-E2	0.049 U	0.074 U	0.077 UJ	0.077 UJT
C323	LW2-C323-B	0.171 UJ	0.142 UJ	0.438 UJ	0.438 UJT
C323	LW2-C323-C	0.0313 UJ	0.0261 UJ	0.0802 UJ	0.0802 UJT
C323	LW2-C323-D	0.0309 U	0.0258 UJ	0.0793 UJ	0.0793 UJT
C324	LW2-C324-B	0.034 U	0.0284 UJ	0.0873 UJ	0.0873 UJT
C324	LW2-C324-D	0.0331 U	0.0276 UJ	0.0849 UJ	0.0849 UJT
C324	LW2-C324-E	0.179 UJ	0.15 UJ	0.46 UJ	0.46 UJT
C326	LW2-C326-B	0.0425 UJ	0.0354 UJ	0.109 UJ	0.109 UJT
C326	LW2-C326-C	0.0291 UJ	0.0243 UJ	0.0746 UJ	0.0746 UJT
C327	LW2-C327-B	0.0299 U	0.0249 UJ	0.0766 UJ	0.0766 UJT
C327	LW2-C327-C	0.158 U	0.132 UJ	0.405 UJ	0.405 UJT
C327	LW2-C327-D	0.054 U	0.3 U	0.29 NJ	0.29 JT
C329	LW2-C329-B	0.0306 UJ	0.0256 UJ	0.0786 UJ	0.0786 UJT
C329	LW2-C329-C	0.168 U	0.14 U	0.43 U	0.43 UT
C329	LW2-C329-D	0.156 U	0.13 U	0.401 U	0.401 UT
C331	LW2-C331-B	0.0288 U	0.0241 U	0.0739 U	0.0739 UT
C331	LW2-C331-C	0.15 U	0.125 U	0.385 U	0.385 UT
C331	LW2-C331-D	0.0318 U	0.0265 U	0.227 J	0.227 JT
C331	LW2-C331-E	0.0318 U	0.0265 U	0.0815 U	0.0815 UT
C332	LW2-C332-B	0.212 U	0.177 U	0.545 U	0.545 UT
C332	LW2-C332-C	0.0302 U	0.317 NJ	0.0775 U	0.317 JT
C333	LW2-C333-B	0.164 UJ	0.137 UJ	0.42 UJ	0.42 UJT
C333	LW2-C333-C	0.0283 U	0.0237 U	0.0727 U	0.0727 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C333	LW2-C333-E	0.033 U	0.0275 U	0.0845 U	0.0845 UT
C334	LW2-C334-B	0.206 U	0.172 U	0.53 U	0.53 UT
C334	LW2-C334-C	0.0307 U	0.0257 U	0.0788 U	0.0788 UT
C335	LW2-C335-B	0.156 UJ	0.13 UJ	0.4 UJ	0.4 UJT
C335	LW2-C335-C	0.0257 UJ	0.135 J	0.066 UJ	0.135 JT
C341	LW2-C341-B	0.229 U	0.191 U	0.587 UJ	0.587 UJT
C342	LW2-C342-B	0.0436 U	0.0364 U	0.112 UJ	0.112 UJT
C342	LW2-C342-C	0.195 U	0.163 U	0.5 UJ	0.5 UJT
C342	LW2-C342-D	0.159 U	0.567 NJ	0.409 UJ	0.567 JT
C346	LW2-C346-B	0.186 U	2.18	0.477 UJ	2.18 T
C346	LW2-C346-C	0.18 U	0.439 J	0.461 UJ	0.439 JT
C347	LW2-C347-B	0.0514 U	0.0429 U	0.132 UJ	0.132 UJT
C347	LW2-C347-C	0.0427 U	0.0356 U	0.11 UJ	0.11 UJT
C347	LW2-C347-E	0.053 U	0.081 U	0.084 U	0.084 UT
C347	LW2-C347-F	0.0345 UJ	0.0288 UJ	0.0886 UJ	0.0886 UJT
C348	LW2-C348-B	0.205 U	0.171 U	0.526 U	0.526 UT
C348	LW2-C348-C	8.05 U	6.72 U	20.6 U	20.6 UT
C348	LW2-C348-D	0.149 U	0.124 U	0.381 U	0.381 UT
C349	LW2-C349-B	0.0467 U	0.039 U	0.12 UJ	0.12 UJT
C349	LW2-C349-C	0.0438 UJ	0.0366 UJ	0.112 UJ	0.112 UJT
C349	LW2-C349-D	0.046 U	0.071 U	0.073 U	0.073 UT
C351	LW2-C351-B	0.88 U	0.735 U	2.26 U	2.26 UT
C351	LW2-C351-C	0.0293 U	0.0245 U	0.0752 U	0.0752 UT
C351	LW2-C351-D	0.0295 U	0.0246 U	0.0756 U	0.0756 UT
C351	LW2-C351-E	0.029 U	0.0242 U	0.0743 U	0.0743 UT
C352	LW2-C352-B	0.0422 U	0.0352 U	0.108 UJ	0.108 UJT
C352	LW2-C352-C	0.0399 U	0.0333 U	0.102 UJ	0.102 UJT
C352	LW2-C352-D	0.0271 U	0.0226 U	0.0695 UJ	0.0695 UJT
C356	LW2-C356-B	0.235 U	0.196 U	0.603 U	0.603 UT
C356	LW2-C356-C	2.12 U	1.77 U	5.44 U	5.44 UT
C356	LW2-C356-E	0.143 U	0.119 U	0.366 U	0.366 UT
C357	LW2-C357-B	0.041 UJ	0.0343 UJ	0.105 UJ	0.105 UJT
C357	LW2-C357-C	0.0321 UJ	0.379 J	0.0824 UJ	0.379 JT
C358	LW2-C358-B	0.38 U	0.58 U	0.6 U	0.6 UT
C358	LW2-C358-C	0.35 U	0.53 U	0.55 U	0.55 UT
C358	LW2-C358-D	0.35 U	2.7	0.55 U	2.7 T
C359	LW2-C359-B	0.212 U	0.177 U	0.545 UJ	0.545 UJT
C359	LW2-C359-C	0.21 U	0.176 U	0.54 UJ	0.54 UJT
C359	LW2-C359-D	0.392 U	0.327 U	1.01 UJ	1.01 UJT
C360	LW2-C360-B1	0.77	2.4 U	1.8 UJ	0.77 T
C360-2	LW2-C360-B2	2.5 JT	2.6 UT	2.7 UJT	2.5 JT
C360	LW2-C360-C1	1.4 U	16 U	2.2 UJ	16 UT
C360-2	LW2-C360-C2	0.79 J	1.1 U	1.2 UJ	0.79 JT
C361	LW2-C361-B	0.0398 UJ	0.0332 UJ	0.102 UJ	0.102 UJT
C362	LW2-C362-B	0.0432 U	0.358	0.111 UJ	0.358 T
C362	LW2-C362-C	0.0403 U	0.279 NJ	0.103 UJ	0.279 JT
C362	LW2-C362-D	0.203 U	0.17 U	0.522 UJ	0.522 UJT
C364	LW2-C364-B	0.159 UJ	0.133 U	0.408 UJ	0.408 UJT
C364	LW2-C364-C	0.179 U	1.06 NJ	0.46 UJ	1.06 JT
C366-1	LW2-C366-B1	0.866 UT	0.723 UT	2.22 UT	2.22 UT
C366-2	LW2-C366-B2	0.219 U	0.183 U	0.561 UJ	0.561 UJT
C366-1	LW2-C366-C1	0.194 UT	0.162 UJT	0.506 UJT	0.506 UJT
C366-2	LW2-C366-C2	0.198 U	0.165 U	0.508 UJ	0.508 UJT
C366-1	LW2-C366-D1	0.139 UT	0.116 UT	0.355 UJT	0.355 UJT
C366-2	LW2-C366-D2	0.17 U	0.142 U	0.437 UJ	0.437 UJT
C366-1	LW2-C366-E1	0.163 UT	0.136 UT	0.419 UJT	0.419 UJT
C366-2	LW2-C366-F2	0.0304 U	0.0254 U	0.0781 UJ	0.0781 UJT
C366-1	LW2-C366-G1	0.0306 UT	0.0255 UT	0.0784 UJT	0.0784 UJT
C368	LW2-C368-B	0.224 U	0.187 U	0.575 U	0.575 UT
C368	LW2-C368-C	0.171 U	0.143 U	0.439 U	0.439 UT
C368	LW2-C368-D	1.49 U	1.24 U	3.82 U	3.82 UT
C368	LW2-C368-E	0.143 U	0.12 U	0.368 U	0.368 UT
C371	LW2-C371-B	0.171 U	0.143 U	0.44 UJ	0.44 UJT
C371	LW2-C371-C	0.147 U	0.123 U	0.377 UJ	0.377 UJT
C371	LW2-C371-E	0.029 U	0.321 J	0.0744 UJ	0.321 JT
C372	LW2-C372-B	0.183 U	0.153 U	0.47 UJ	0.47 UJT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C372	LW2-C372-C	0.161 U	0.135 U	0.414 UJ	0.414 UJT
C377	LW2-C377-B	0.0378 U	0.0315 U	0.0969 UJ	0.0969 UJT
C377	LW2-C377-C	0.201 U	0.167 U	0.515 UJ	0.515 UJT
C377	LW2-C377-E	0.359 U	0.3 U	0.922 UJ	0.922 UJT
C379	LW2-C379-B	0.228 UJ	0.19 U	0.584 UJ	0.584 UJT
C379	LW2-C379-C	0.2 UJ	0.167 UJ	0.512 UJ	0.512 UJT
C379	LW2-C379-D	0.0327 UJ	0.38 J	0.084 UJ	0.38 JT
C380	LW2-C380-B	0.0379 U	0.0316 U	0.0972 U	0.0972 UT
C380	LW2-C380-C	0.0358 UJ	0.094 J	0.0918 UJ	0.094 JT
C381	LW2-C381-B	0.063 U	0.16 J	0.29 UJ	0.16 JT
C381	LW2-C381-C	0.2 U	0.094 UJ	0.48 UJ	0.48 UJT
C381	LW2-C381-E	0.055 U	0.084 UJ	0.087 UJ	0.087 UJT
C382	LW2-C382-B	0.183 U	0.153 U	0.47 UJ	0.47 UJT
C382	LW2-C382-C	0.033 U	0.712 NJ	0.0847 UJ	0.712 JT
C382	LW2-C382-D	0.055 U	0.083 U	0.15 U	0.15 UT
C383	LW2-C383-B	0.0275 UJ	0.0229 UJ	0.0705 UJ	0.0705 UJT
C383	LW2-C383-C	0.0352 U	0.0294 U	0.0903 UJ	0.0903 UJT
C384	LW2-C384-B	0.424 UJ	0.354 U	1.09 UJ	1.09 UJT
C384	LW2-C384-C	0.028 UJ	0.0234 U	0.0718 UJ	0.0718 UJT
C386	LW2-C386-B	0.0393 U	0.0328 UJ R		0.0393 UT
C386	LW2-C386-C	0.0261 U	0.167 U	0.0671 UJ	0.167 UT
C392	LW2-C392-B	0.0491 U	0.041 U	0.126 UJ	0.126 UJT
C392	LW2-C392-C	0.68 J	0.0251 U	0.0771 UJ	0.68 JT
C393	LW2-C393-B	0.168 U	0.14 U	0.431 UJ	0.431 UJT
C393	LW2-C393-C	0.0276 U	0.0231 U	0.0709 UJ	0.0709 UJT
C396	LW2-C396-B	0.035 U	0.322 NJ	0.0898 UJ	0.322 JT
C396	LW2-C396-C	0.0376 U	0.0314 U	0.0966 UJ	0.0966 UJT
C397	LW2-C397-B	0.0488 UJ	0.0408 U	0.125 UJ	0.125 UJT
C397	LW2-C397-C	0.0441 U	0.0368 U	0.113 UJ	0.113 UJT
C397	LW2-C397-D	0.0434 UJ	0.848 NJ	0.111 UJ	0.848 JT
C401	LW2-C401-B	0.17 U	0.142 U	0.435 UJ	0.435 UJT
C401	LW2-C401-C	0.146 U	0.122 U	0.374 UJ	0.374 UJT
C401	LW2-C401-D	0.143 U	0.119 U	0.366 U	0.366 UT
C401	LW2-C401-E	0.168 U	0.14 U	0.432 U	0.432 UT
C401	LW2-C401-F	0.055 U	0.084 U	0.087 U	0.087 UT
C403	LW2-C403-B	0.03 U	0.0251 U	0.0771 U	0.0771 UT
C403	LW2-C403-C	0.0301 U	0.0251 U	0.0771 U	0.0771 UT
C403	LW2-C403-D	0.0341 U	0.0284 U	0.0874 U	0.0874 UT
C405	LW2-C405-B	0.161 U	0.134 U	0.413 UJ	0.413 UJT
C405	LW2-C405-C	0.777 NJ	0.12 U	0.368 UJ	0.777 JT
C409	LW2-C409-B	0.0365 U	0.0305 U	0.0938 U	0.0938 UT
C409	LW2-C409-C	0.0293 U	0.0245 U	0.0752 U	0.0752 UT
C409	LW2-C409-D	0.048 U	0.073 U	0.075 U	0.075 UT
C413-1	LW2-C413-B1	0.199 U	0.166 U	0.512 UJ	0.512 UJT
C413-2	LW2-C413-B2	0.187 U	0.156 U	0.481 UJ	0.481 UJT
C413-1	LW2-C413-C1	0.191 U	0.159 U	0.489 UJ	0.489 UJT
C413-2	LW2-C413-C2	0.194 U	0.162 U	0.497 UJ	0.497 UJT
C413-2	LW2-C413-D2	0.186 U	0.608 J	0.478 UJ	0.608 JT
C415	LW2-C415-B	0.0292 U	0.0244 U	0.0748 U	0.0748 UT
C415	LW2-C415-C	0.0286 U	0.0238 U	0.0732 U	0.0732 UT
C415	LW2-C415-D	0.0299 U	0.0249 U	0.0766 U	0.0766 UT
C417	LW2-C417-B	0.0483 U	0.0403 U	0.124 UJ	0.124 UJT
C417	LW2-C417-D	0.0299 U	0.025 U	0.0767 UJ	0.0767 UJT
C420	LW2-C420-B	0.0412 U	0.0344 U	0.106 UJ	0.106 UJT
C420	LW2-C420-C	0.179 U	0.149 U	0.459 UJ	0.459 UJT
C420	LW2-C420-D	0.56 J	0.37 U	0.38 U	0.56 JT
C421	LW2-C421-B	1.1 U	1.6 U	0.12 U	1.6 UT
C421	LW2-C421-D	0.055 U	0.083 U	0.53 U	0.53 UT
C425-1	LW2-C425-B1	0.0281 UT	0.0234 UT	0.072 UJT	0.072 UJT
C425-2	LW2-C425-B2	0.155 U	0.129 U	0.396 UJ	0.396 UJT
C425-1	LW2-C425-C1	0.0291 UT	0.0243 UT	0.0746 UJT	0.0746 UJT
C425-2	LW2-C425-C2	0.0289 U	0.0241 U	0.074 UJ	0.074 UJT
C425-2	LW2-C425-D2	0.034 U	0.0284 U	0.0871 UJ	0.0871 UJT
C425-1	LW2-C425-E1	0.0286 UT	0.0239 UT	0.0733 UJT	0.0733 UJT
C426	LW2-C426-B	0.0433 UJ	0.0361 UJ	0.111 UJ	0.111 UJT
C426	LW2-C426-C	0.0311 U	0.193 J	0.0798 UJ	0.193 JT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C430	LW2-C430-B	0.0405 U	0.0338 U	0.104 U	0.104 UT
C430	LW2-C430-C	0.0402 U	0.0335 U	0.103 U	0.103 UT
C430	LW2-C430-E	0.181 U	0.151 U	0.463 U	0.463 UT
C431	LW2-C431-B	0.198 U	0.165 U	0.508 U	0.508 UT
C431	LW2-C431-C	0.166 U	0.139 U	0.427 U	0.427 UT
C431	LW2-C431-D	0.0308 U	0.0257 U	0.079 U	0.079 UT
C431	LW2-C431-F	0.052 U	0.079 U	0.082 U	0.082 UT
C434	LW2-C434-B	0.195 U	0.163 U	0.501 U	0.501 UT
C434	LW2-C434-C	0.0312 UJ	0.026 U	0.0799 UJ	0.0799 UJT
C434	LW2-C434-D	0.0299 UJ	0.177 J	0.0768 UJ	0.177 JT
C436	LW2-C436-C	0.31 U	0.47 U	0.48 U	0.48 UT
C437	LW2-C437-B	0.148 U	0.123 U	0.379 U	0.379 UT
C437	LW2-C437-C	0.0294 U	0.0245 U	0.0754 U	0.0754 UT
C437	LW2-C437-D	0.0317 U	0.0264 U	0.0813 U	0.0813 UT
C439	LW2-C439-B	0.216 U	0.18 U	0.553 UJ	0.553 UJT
C439	LW2-C439-C	0.187 UJ	0.156 UJ	0.479 UJ	0.479 UJT
C440	LW2-C440-C	0.17 U	0.31 J	0.11 U	0.31 JT
C441-1	LW2-C441-B1	0.188 U	0.157 U	0.483 UJ	0.483 UJT
C441-2	LW2-C441-B2	0.195 UT	0.163 UT	0.5 UJT	0.5 UJT
C441-1	LW2-C441-C1	0.0309 U	0.0258 U	0.0794 UJ	0.0794 UJT
C441-2	LW2-C441-C2	0.0338 UT	0.255 UT	0.0868 UJT	0.255 UT
C444	LW2-C444-B	0.0493 UJ	0.0412 UJ	0.126 UJ	0.126 UJT
C444	LW2-C444-C	0.193 U	0.161 U	0.495 UJ	0.495 UJT
C444	LW2-C444-E	0.054 U	0.082 U	0.084 U	0.084 UT
C445	LW2-C445-B	0.0419 UJ	0.035 U	0.108 UJ	0.108 UJT
C445	LW2-C445-C	0.201 UJ	0.168 U	0.515 UJ	0.515 UJT
C445	LW2-C445-E	0.196 UJ	0.163 U	0.502 UJ	0.502 UJT
C447	LW2-C447-C	0.06 U	0.16 U	0.095 U	0.16 UT
C448	LW2-C448-C	0.2 U	0.12 U	0.2 U	0.2 UT
C449	LW2-C449-B	0.2 U	0.12 UJ	0.2 UJ	0.2 UJT
C449	LW2-C449-C	0.27 U	0.12 UJ	1.1 UJ	1.1 UJT
C449	LW2-C449-E	0.24 NJ	0.35 J	0.62 UJ	0.59 JT
C450	LW2-C450-B	0.0445 U	0.0371 U	0.114 UJ	0.114 UJT
C450	LW2-C450-C	0.406 U	0.339 U	1.04 UJ	1.04 UJT
C453	LW2-C453-B	0.413 U	0.345 U	1.06 UJ	1.06 UJT
C453	LW2-C453-C	0.393 U	0.328 U	1.01 UJ	1.01 UJT
C453	LW2-C453-D	0.0374 U	0.0312 U	0.0959 UJ	0.0959 UJT
C454	LW2-C454-B	0.0282 U	0.0235 U	0.0723 U	0.0723 UT
C454	LW2-C454-C	0.0414 UJ	0.0345 U	0.106 UJ	0.106 UJT
C454	LW2-C454-D	0.0369 U	0.0308 U	0.0946 U	0.0946 UT
C454	LW2-C454-E	0.0304 U	0.0253 U	0.0779 U	0.0779 UT
C455	LW2-C455-B	4.11 UJ	3.43 U	10.5 UJ	10.5 UJT
C455	LW2-C455-C	0.194 UJ	0.162 U	0.497 UJ	0.497 UJT
C455	LW2-C455-D	0.187 UJ	0.156 U	0.481 UJ	0.481 UJT
C456	LW2-C456-B	0.0414 U	0.0346 U	0.106 U	0.106 UT
C456	LW2-C456-C	0.167 U	0.14 U	0.429 U	0.429 UT
C456	LW2-C456-D	0.0385 U	0.0321 U	0.0987 U	0.0987 UT
C456	LW2-C456-F	0.0373 U	0.0311 U	0.0957 U	0.0957 UT
C457	LW2-C457-B	0.0437 U	0.0365 U	0.112 UJ	0.112 UJT
C457	LW2-C457-C	0.185 U	0.154 U	0.474 UJ	0.474 UJT
C457	LW2-C457-E	0.0373 UJ	0.0312 UJ	0.0958 UJ	0.0958 UJT
C458-1	LW2-C458-B	0.0474 U	0.0396 U	0.122 U	0.122 UT
C458-2	LW2-C458-B2	0.0439 UJT	0.0366 UT	0.113 UJT	0.113 UJT
C458-1	LW2-C458-C	0.043 U	0.0359 U	0.11 U	0.11 UT
C458-2	LW2-C458-C2	0.0436 UT	0.0364 UT	0.112 UT	0.112 UT
C458-1	LW2-C458-D	0.092 NJ	0.11 U	0.19 U	0.092 JT
C461	LW2-C461-B	0.0466 UJ	0.0389 UJ	0.12 UJ	0.12 UJT
C461	LW2-C461-C	0.0412 UJ	0.0344 UJ	0.106 UJ	0.106 UJT
C468	LW2-C468-B	0.0409 U	0.0342 U	0.105 UJ	0.105 UJT
C468	LW2-C468-C	0.0429 U	0.0358 U	0.11 UJ	0.11 UJT
C474	LW2-C474-B	0.046 U	0.0384 U	0.118 U	0.118 UT
C474	LW2-C474-C	0.0406 U	0.0339 U	0.104 U	0.104 UT
C477	LW2-C477-B	0.041 U	0.0342 U	0.105 U	0.105 UT
C477	LW2-C477-C	0.0303 U	0.0253 U	0.0777 U	0.0777 UT
C492	LW2-C492-B	1.3 U	0.49 U	0.5 U	1.3 UT
C492	LW2-C492-C	0.047 U	0.071 U	0.074 U	0.074 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
C494	LW2-C494-B	0.0332 U	0.0277 U	0.0851 U	0.0851 UT
C494	LW2-C494-C	0.0347 U	0.0289 U	0.0889 U	0.0889 UT
C494	LW2-C494-D	0.186 U	0.155 U	0.476 U	0.476 UT
C494	LW2-C494-E	0.179 U	0.149 U	0.458 U	0.458 UT
C521	LW2-C521-B	1.8 U	2.3 U	3.1 U	3.1 UT
C521	LW2-C521-C	0.52 U	4.3 U	17 U	17 UT
C521	LW2-C521-D	2 U	2.9 U	3 U	3 UT
C522	LW2-C522-B	0.064 U	0.2 UJ	0.73 UJ	0.73 UJT
C522	LW2-C522-C	0.052 U	0.08 U	0.082 UJ	0.082 UJT
C523	LW2-C523-B	0.32 UJ	0.49 UJ	0.51 UJ	0.51 UJT
C523	LW2-C523-C	1.8 UJ	0.42 UJ	0.43 UJ	1.8 UJT
C524	LW2-C524-B	0.064 U	0.32 U	0.11 UJ	0.32 UT
C525	LW2-C525-B	4.1 U	1.7 J	1.2 U	1.7 JT
C525	LW2-C525-C	3.6 U	1.5 U	1.1 U	3.6 UT
C525	LW2-C525-D	1.9 U	10 U	24 U	24 UT
C525	LW2-C525-E	0.26 U	0.54 U	0.41 U	0.54 UT
C527	LW2-C527-B	0.75 U	1.2 U	3.5 U	3.5 UT
C527	LW2-C527-C	0.71 U	1.8 J	2.8 U	1.8 JT
C527	LW2-C527-E	1.4 U	4 U	2.2 U	4 UT
C528	LW2-C528-B	0.076 U	0.12 U	0.3 U	0.3 UT
C528	LW2-C528-C	1.5 U	2.3 U	3.2 U	3.2 UT
C528	LW2-C528-F	0.11 U	0.078 U	0.081 U	0.11 UT
C529	LW2-C529-B	0.23 U	0.12 U	0.23 UJ	0.23 UJT
C529	LW2-C529-C	0.35 U	1.7 U	0.55 UJ	1.7 UT
C529	LW2-C529-E	0.32 U	1.3 U	0.5 UJ	1.3 UT
C530	LW2-C530-B	0.35 U	0.52 U	0.54 UJ	0.54 UJT
C530	LW2-C530-C	1.6 U	1.4 NJ	0.52 UJ	1.4 JT
C530	LW2-C530-E	0.32 U	2.3 J	0.5 UJ	2.3 JT
C531	LW2-C531-B	0.33 U	1.5 U	0.52 U	1.5 UT
C531	LW2-C531-C	0.33 U	0.51 U	0.52 U	0.52 UT
C531	LW2-C531-E	0.68 U	0.089 U	0.21 U	0.68 UT
C532	LW2-C532-B	0.069 U	0.33 UJ	0.97 UJ	0.97 UJT
C532	LW2-C532-C	0.071 U	0.28 J	0.6 UJ	0.28 JT
C532	LW2-C532-E	0.065 J	0.2 UJ	0.41 UJ	0.065 JT
C532	LW2-C532-F	0.051 U	0.078 UJ	0.08 UJ	0.08 UJT
C533	LW2-C533-B	0.072 U	0.11 U	0.13 UJ	0.13 UJT
C533	LW2-C533-C	0.2 U	0.36 NJ	0.19 UJ	0.36 JT
C533	LW2-C533-D	0.051 UJ	0.077 UJ	0.08 UJ	0.08 UJT
NA-1B	NA-1B-0046	0.0399 U	0.0333 U	0.102 U	0.102 UT
NA-1B	NA-1B-4668	0.0448 U	0.0374 U	0.115 U	0.115 UT
NA-1B	NA-1B-6894	0.207 U	0.173 U	0.53 U	0.53 UT
NA-2B	NA-2B-3157	0.0421 U	0.0351 U	0.108 U	0.108 UT
NA-2B	NA-2B-5794	0.0476 U	0.0397 U	0.122 U	0.122 UT
NA-3B	NA-3B-3464	0.0315 U	0.581 J	0.0809 U	0.581 JT
NA-3B	NA-3B-6494	0.0342 U	0.0285 U	0.0876 U	0.0876 UT
NA-4B	NA-4B-2450	0.0495 U	0.0413 U	0.127 U	0.127 UT
NA-4B	NA-4B-5094	0.0474 U	0.0396 U	0.122 U	0.122 UT
B416U1	PPTLDT24B416U1B416C1	2 U	2 U	2 U	2 UT
T2U1	PPTLDT24T2U1B204C1	2 U	2 U	2 U	2 UT
T2U2	PPTLDT24T2U2B203C1	2 U	2 U	2 U	2 UT
SD0101	WLCCPF01SD0101SD139F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0101	WLCCPF01SD0101SD141F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0101	WLCCPF01SD0101SD1S1C	0.827 U	1.65 U	1.65 U	1.65 UT
SD0102	WLCCPF01SD0102SD239F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0102	WLCCPF01SD0102SD241F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0103	WLCCPF01SD0103SD339F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0103	WLCCPF01SD0103SD341F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0103	WLCCPF01SD0103SD3S1C	0.849 U	1.7 U	1.7 U	1.7 UT
SD0104	WLCCPF01SD0104SD439F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0104	WLCCPF01SD0104SD441F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0104	WLCCPF01SD0104SD4S1C	0.4 U	0.8 U	0.8 U	0.8 UT
SD0105	WLCCPF01SD0105SD539F	0.4 U	0.8 U	0.8 U	0.8 UT
SD0105	WLCCPF01SD0105SD541F	0.4 U	0.8 U	0.8 U	0.8 UT
WR-VC-03	WLCDRD05VC00303	0.16 U	0.18 U	1 U	1 UT
WR-VC-04	WLCDRD05VC00404	0.17 J	0.16 U	1 U	0.17 JT
WR-VC-05	WLCDRD05VC00505	0.3 U	0.22 U	1 U	1 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
WR-VC-06	WLCDRD05VC00606	0.15 U	0.2 U	1 U	1 UT
WR-VC-07	WLCDRD05VC00707	0.26 J	0.26 J	1 U	0.52 JT
WR-VC-08	WLCDRD05VC00808	0.29 U	0.19 U	1 U	1 UT
WR-VC-09	WLCDRD05VC00909	0.28 U	0.18 U	1 U	1 UT
WR-VC-10	WLCDRD05VC01010	0.14 U	0.19 U	1 U	1 UT
WR-VC-11	WLCDRD05VC01111	0.33 U	0.18 U	1 U	1 UT
WR-VC-12	WLCDRD05VC01212	0.33 J	0.17 U	1 U	0.33 JT
WR-VC-13	WLCDRD05VC01313	0.14 U	0.18 U	1 U	1 UT
WR-VC-14	WLCDRD05VC01414	0.13 U	0.22 J	1 U	0.22 JT
WR-VC-15	WLCDRD05VC01515	0.33 U	0.18 U	1 U	1 UT
WR-VC-16	WLCDRD05VC01616	0.13 U	0.16 U	1 U	1 UT
WR-VC-17	WLCDRD05VC01717	0.13 U	0.87 U	0.12 U	0.87 UT
WR-VC-18	WLCDRD05VC01818	0.17 U	0.18 U	1 U	1 UT
WR-VC-19	WLCDRD05VC01919	0.14 U	0.18 U	1 U	1 UT
WR-VC-20	WLCDRD05VC02020	0.29 U	0.18 U	0.78 U	0.78 UT
WR-VC-22	WLCDRD05VC02222	0.32 U	0.2 U	1 U	1 UT
WR-VC-23	WLCDRD05VC02323	0.11 U	0.41 J	0.89 U	0.41 JT
WR-VC-24	WLCDRD05VC02424	0.19 U	0.2 U	1 U	1 UT
WR-VC-26	WLCDRD05VC02626	0.14 U	0.18 U	1 U	1 UT
WR-VC-28	WLCDRD05VC02828	0.24 U	0.2 U	1 U	1 UT
WR-VC-29	WLCDRD05VC02929	0.45 U	0.18 U	1 U	1 UT
WR-VC-30	WLCDRD05VC03030	0.15 U	0.2 U	1 U	1 UT
WR-VC-31	WLCDRD05VC03131	0.59 J	0.18 U	1 U	0.59 JT
WR-VC-32	WLCDRD05VC03232	0.14 U	0.19 U	1 U	1 UT
WR-VC-33	WLCDRD05VC03333	0.18 J	0.18 U	0.082 U	0.18 JT
WR-VC-34	WLCDRD05VC03434	0.16 U	0.2 U	1 U	1 UT
WR-VC-35	WLCDRD05VC03535	0.35 U	0.54 J	1.8 U	0.54 JT
WR-VC-36	WLCDRD05VC03636	0.16 U	0.2 U	1 U	1 UT
WR-VC-37	WLCDRD05VC03737	0.13 U	0.34 J	0.1 U	0.34 JT
WR-VC-39	WLCDRD05VC03939	0.39 U	0.17 U	0.12 U	0.39 UT
WR-VC-41	WLCDRD05VC04141	0.33 U	0.19 U	1 U	1 UT
WR-VC-42	WLCDRD05VC04242	0.095 U	0.79 U	0.085 U	0.79 UT
WR-VC-43	WLCDRD05VC04343	0.61 J	0.18 U	1 U	0.61 JT
WR-VC-45	WLCDRD05VC04545	0.43 U	0.32 J	1 U	0.32 JT
WR-VC-46	WLCDRD05VC04646	0.11 U	0.14 U	0.094 U	0.14 UT
WR-VC-47	WLCDRD05VC04747	0.22 U	0.17 U	1 U	1 UT
WR-VC-49	WLCDRD05VC04949	0.27 U	1.3 J	1 U	1.3 JT
WR-VC-50	WLCDRD05VC05050	11 U	10 U	13 U	13 UT
WR-VC-51	WLCDRD05VC05151	0.88 U	1.6 NJ	0.83 U	1.6 JT
WR-VC-52	WLCDRD05VC05252	10 U	6.3 U	25 U	25 UT
WR-VC-53	WLCDRD05VC05353	0.77 U	0.3 NJ	0.77 U	0.3 JT
WR-VC-54	WLCDRD05VC05454	1.4 U	1.8 U	1.3 U	1.8 UT
WR-VC-55	WLCDRD05VC05555	0.4 U	1.1	0.82 U	1.1 T
WR-VC-56	WLCDRD05VC05656	1 U	1.8 U	0.63 U	1.8 UT
WR-VC-57	WLCDRD05VC05757	0.26 U	1.1 J	0.12 U	1.1 JT
WR-VC-58	WLCDRD05VC05858	0.098 U	1.1 U	0.77	0.77 T
WR-VC-59	WLCDRD05VC05959	0.23 U	0.8 J	0.11 U	0.8 JT
WR-VC-60	WLCDRD05VC06060	1 U	1 U	1 U	1 UT
WR-VC-61	WLCDRD05VC06161	0.45 U	0.95 J	1 U	0.95 JT
WR-VC-62	WLCDRD05VC06262	0.14 U	2.9 U	0.86 U	2.9 UT
WR-VC-64	WLCDRD05VC06464	0.27 U	1 U	1 U	1 UT
WR-VC-66	WLCDRD05VC06666	0.15 U	0.19 U	1 U	1 UT
WR-VC-68	WLCDRD05VC06868	0.18 U	0.19 U	1 U	1 UT
WR-VC-70	WLCDRD05VC07070	0.14 U	0.19 U	1 U	1 UT
WR-VC-72	WLCDRD05VC07272	0.2 U	0.18 U	0.13 U	0.2 UT
WR-VC-106	WLCDRD05VC106106	0.66 U	1.4 U	1.4 U	1.4 UT
WR-VC-108	WLCDRD05VC108108	4.8 U	36 U	1 U	36 UT
WR-VC-110	WLCDRD05VC110110	1 U	0.13 U	1 U	1 UT
WR-VC-114	WLCDRD05VC114114	0.32 U	0.29 J	1 U	0.29 JT
WR-VC-116	WLCDRD05VC116116	0.16 U	1 U	1 U	1 UT
WR-VC-118	WLCDRD05VC118118	0.51 U	0.39 U	1 U	1 UT
WR-VC-120	WLCDRD05VC120120	0.68 U	0.3 U	1 U	1 UT
WR-VC-122	WLCDRD05VC122122	0.31 U	0.16 U	0.11 U	0.31 UT
WR-VC-124	WLCDRD05VC124124	0.42 U	0.2 U	1 U	1 UT
WR-VC-126	WLCDRD05VC126126	0.39 U	0.26 U	1 U	1 UT
WR-VC-128	WLCDRD05VC128128	0.93 U	0.16 U	1 U	1 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
WR-VC-130	WLCDRD05VC130130	0.094 U	0.68 U	0.68 U	0.68 UT
WR-VC-132	WLCDRD05VC132132	0.12 U	1.2 U	0.8 U	1.2 UT
WR-VC-134	WLCDRD05VC134134	0.092 U	0.42 U	0.082 U	0.42 UT
WB-8	WLCEAF02WB08SO1915	70 U	70 U	70 U	70 UT
WB-8	WLCEAF02WB08SO1917	80 U	80 U	80 U	80 UT
WB-8	WLCEAF02WB08SO1919	7.1 U	7.1 U	7.1 U	7.1 UT
WB-8	WLCEAF02WB08SO1929	7 U	7 U	7 U	7 UT
WB-9	WLCEAF02WB09SO1931	64 U	64 UJ	64 U	64 UT
WB-9	WLCEAF02WB09SO1934	1400 U	38000 U	1400 U	38000 UT
WB-9	WLCEAF02WB09SO1938	130 U	130 U	130 U	130 UT
WB-9	WLCEAF02WB09SO1945	6.6 U	6.6 U	6.6 U	6.6 UT
WB-10	WLCEAF02WB10SO1947	94 UT	94 UT	100 T	100 T
WB-10	WLCEAF02WB10SO1952	180 U	180 U	180 U	180 UT
WB-10	WLCEAF02WB10SO1956	270 U	170 U	170 U	270 UT
WB-10	WLCEAF02WB10SO1961	6.6 U	6.6 U	6.6 U	6.6 UT
WB-11	WLCEAF02WB11SO1963	97 U	97 U	290	290 T
WB-11	WLCEAF02WB11SO1967	310 U	190 U	190 U	310 UT
WB-11	WLCEAF02WB11SO1971	6.4 U	6.4 U	6.4 U	6.4 UT
WB-12	WLCEAF02WB12SO1870	11 UJ	11 UJ	11 UJ	11 UJT
WB-13	WLCEAF02WB13SO1896	76 U	76 U	76 U	76 UT
WB-13	WLCEAF02WB13SO1901	75 U	75 U	75 U	75 UT
WB-14	WLCEAF02WB14SO1906	97 U	97 U	97 U	97 UT
WB-14	WLCEAF02WB14SO1912	6.9 U	6.9 U	6.9 U	6.9 UT
WB-15	WLCEAF02WB15SO1850	11 UJ	11 UJ	11 UJ	11 UJT
WB-16	WLCEAF02WB16SO1867	11 UJ	11 UJ	11 UJ	11 UJT
WB-17	WLCEAF02WB17SO1904	92 U	92 U	92 U	92 UT
WB-18	WLCEAF02WB18SO1888	81 U	81 U	81 U	81 UT
WB-18	WLCEAF02WB18SO1890	150 U	150 U	150 U	150 UT
WB-18	WLCEAF02WB18SO1894	6.5 U	6.5 U	6.5 U	6.5 UT
WB-19	WLCEAF02WB19SO1885	88 U	88 U	88 U	88 UT
WB-20	WLCEAF02WB20SO1882	11 UJ	11 UJ	11 UJ	11 UJT
WB-21	WLCEAF02WB21SO1873	9.1 UJ	9.1 UJ	9.1 UJ	9.1 UJT
WB-22	WLCEAF02WB22SO1879	7.1 U	7.1 U	7.1 U	7.1 UT
WB-23	WLCEAF02WB23SO1858	7.8 U	7.8 U	7.8 U	7.8 UT
WB-23	WLCEAF02WB23SO1864	6.7 U	6.7 U	6.7 U	6.7 UT
WB-24	WLCEAF02WB24SO1972	1800 U	1800 U	1800 U	1800 UT
WB-24	WLCEAF02WB24SO1975	6.9 U	6.9 U	6.9 U	6.9 UT
WB-25	WLCEAF02WB25SO1978	110 UJT	110 UJT	130 JT	130 JT
WB-25	WLCEAF02WB25SO1983	7.4 U	7.4 U	7.4 U	7.4 UT
WB-25	WLCEAF02WB25SO1985	6.9 UT	6.9 UT	6.9 UT	7.1 UT
WB-25	WLCEAF02WB25SO1988	6.2 U	6.2 U	6.2 U	6.2 UT
S1	WLCGXV99S1S1_30	6.7 U	6.7 U	6.7 U	6.7 UT
S2	WLCGXV99S2S2_30	43.3 U	43.3 U	43.3 U	43.3 UT
S3	WLCGXV99S3S3_30	20.1 U	20.1 U	20.1 U	20.1 UT
S3	WLCGXV99S3S3_30R	20.1 U	20.1 U	20.1 U	20.1 UT
S4	WLCGXV99S4S4_30	6.7 U	6.7 U	6.7 U	6.7 UT
CS001	WLCMRI02CS001CS001	0.98 U	2 U	4.4 U	4.4 UT
CS002	WLCMRI02CS002CS002	0.98 U	2 U	2 U	2 UT
CS003	WLCMRI02CS003CS003	0.99 U	2 U	2 U	2 UT
G04	WLCRIV99G04G04S03	2 U	2 U	2 U	2 UT
G04	WLCRIV99G04G04S07	2 U	2 U	2 U	2 UT
G04	WLCRIV99G04G04S08	2 U	2 U	2 U	2 UT
G05	WLCRIV99G05.566.5	2 U	2 U	2 U	2 UT
G05	WLCRIV99G055/7879	2 U	2 U	2 U	2 UT
G06B	WLCRIV99G06B06BS13	4 U	4 U	4 U	4 UT
G06B	WLCRIV99G06B3940.5	2 U	2 U	2 U	2 UT
G06B	WLCRIV99G06B51.553	2 U	2 U	2 U	2 UT
G06B	WLCRIV99G06B61.563	2 U	2 U	2 U	2 UT
G07	WLCRIV99G07G07S19	2 U	2 U	2 U	2 UT
G08	WLCRIV99G08.545.5	2 U	2 U	2 U	2 UT
G08	WLCRIV99G0856.558	2 U	2 U	2 U	2 UT
G08	WLCRIV99G0876.578	2 U	2 U	2 U	2 UT
G09	WLCRIV99G09.512.5	2 U	2 U	2 U	2 UT
G09	WLCRIV99G091617.5	2 U	2 U	2 U	2 UT
G09	WLCRIV99G092122.5	2 U	2 U	2 U	2 UT
G10	WLCRIV99G10G10S04	2 U	2 U	2 U	2 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
G10	WLCRIV99G10G10S05	2 U	2 U	2 U	2 UT
G10	WLCRIV99G10G10S12	2 U	2 U	2 U	2 UT
G10	WLCRIV99G10G10S14	2 U	2 U	2 U	2 UT
G11	WLCRIV99G1112.514	2 U	2 U	2 U	2 UT
G12	WLCRIV99G1238.540	2 U	2 U	2 U	2 UT
G12	WLCRIV99G1248.550	2 U	2 U	2 U	2 UT
G12	WLCRIV99G125354.5	2 U	2 U	2 U	2 UT
G12	WLCRIV99G126869.5	2 U	2 U	2 U	2 UT
G12	WLCRIV99G127374.5	2 U	2 U	2 U	2 UT
G12	WLCRIV99G12G12S11	2 U	2 U	2 U	2 UT
G13A	WLCRIV99G13A15.518	2 U	2 U	2 U	2 UT
G14	WLCRIV99G14G14S04	2 U	2 U	2 U	2 UT
G14	WLCRIV99G14G14S06	2 U	2 U	2 U	2 UT
G16	WLCRIV99G16G16S06	2 U	11 U	2 U	11 UT
G16	WLCRIV99G16G16S10	2 U	2 U	0.2 J	0.2 JT
G16	WLCRIV99G16G16S12	2 U	2 U	2 U	2 UT
T2-01-1	WLCT0F01T20101T2011A	1.7 U	2.1 U	1.7 U	2.1 UT
T2-01-1	WLCT0F01T20101T2011B	16 U	52 J	20 U	52 JT
T2-01-1	WLCT0F01T20101T2011C	1.4 U	2.7 U	1.4 U	2.7 UT
T2-01-2	WLCT0F01T20102T2012A	1.9 U	1.9 U	1.9 U	1.9 UT
T2-01-2	WLCT0F01T20102T2012B	1.4 U	1.4 U	1.4 U	1.4 UT
T5-01-1	WLCT0F01T50101T5011A	1.4 U	1.4 U	1.4 U	1.4 UT
T5-01-2	WLCT0F01T50102T5012A	1.5 U	1.5 U	1.5 U	1.5 UT
IS-C1	WLCT0I98ISC1ISC1	20 U	20 U	20 U	20 UT
IS-C2	WLCT0I98ISC2ISC2	2 U	2 U	2 U	2 UT
C104105	WLCT4J97104105B41603	1 U	1 U	1 U	1 UT
HC-VC-102	WLCT4J97CVC102B41601	1 U	1 U	1 U	1 UT
HC-VC-102	WLCT4J97CVC102B41604	1 U	1 U	1 U	1 UT
HC-VC-103	WLCT4J97CVC103B41602	1 U	1 U	1 U	1 UT
WR-VC-01	WLR0499WRVC01WRVC01	1.7 U	3.4 U	3.4 U	3.4 UT
WR-VC-02	WLR0499WRVC02WRVC02	1.9 U	3.7 U	3.7 U	3.7 UT
WR-VC-03	WLR0499WRVC03WRVC03	2.1 U	4.3 U	4.3 U	4.3 UT
WR-VC-04	WLR0499WRVC04WRVC04	1.6 U	3.2 U	3.2 U	3.2 UT
WR-VC-05	WLR0499WRVC05WRA	2 U	3.9 U	3.9 U	3.9 UT
WR-VC-05	WLR0499WRVC05WRVC05	1.7 U	3.3 U	3.3 U	3.3 UT
WR-VC-06	WLR0499WRVC06WRVC06	1.7 U	3.4 U	3.4 U	3.4 UT
WR-VC-07	WLR0499WRVC07WRVC07	1.7 U	3.5 U	3.5 U	3.5 UT
WR-VC-08	WLR0499WRVC08WRVC08	1.7 U	3.5 U	3.5 U	3.5 UT
WR-VC-08	WLR0499WRVC08WRVC8C	1.4 U	2.8 U	2.8 U	2.8 UT
WR-VC-09	WLR0499WRVC09WRVC09	1.7 U	3.4 U	3.4 U	3.4 UT
WR-BC-03	WLR0797WRBC03WRBC03	2 U	2 U	2 U	2 UT
WR-CD-40	WLR0797WRCD40RCD40A	2 U	2 J	2 U	2 JT
WR-CD-41	WLR0797WRCD41RCD41A	2 U	2 U	2 U	2 UT
WR-CD-41	WLR0797WRCD41RCD41B	2 U	2 U	2 U	2 UT
WR-CD-42	WLR0797WRCD42RCD42A	2 U	2 U	2 U	2 UT
WR-CD-42	WLR0797WRCD42RCD42B	2 U	2 U	0.5 J	0.5 JT
WR-CD-42	WLR0797WRCD42RCD42C	2 UG	2 UG	2 UG	2 UT
WR-CD-42	WLR0797WRCD42RCD42D	2 U	2 U	4 U	4 UT
WR-CD-43	WLR0797WRCD43RCD43A	2 U	2 U	2 U	2 UT
WR-CD-43	WLR0797WRCD43RCD43B	2 U	2 U	2 U	2 UT
WR-CD-43	WLR0797WRCD43WRD	2 U	2 U	2 U	2 UT
WR-GC-02	WLR0797WRGC02RGC02A	2 U	2 U	2 U	2 UT
WR-GC-02	WLR0797WRGC02RGC02B	2 U	2 U	2 U	2 UT
WR-GC-04	WLR0797WRGC04RGC04A	2 U	2 U	2 U	2 UT
WR-GC-04	WLR0797WRGC04RGC04B	2 U	2 U	2 U	2 UT
WR-GC-05	WLR0797WRGC05RGC05A	2 U	2 U	2 U	2 UT
WR-GC-05	WLR0797WRGC05RGC05B	2 U	2 U	2 U	2 UT
WR-GC-06	WLR0797WRGC06RGC06A	2 UG	2 UG	2 UG	2 UT
WR-GC-06	WLR0797WRGC06RGC06B	2 U	2 U	2 U	2 UT
WR-GC-11	WLR0797WRGC11RGC11A	2 U	1 J	2 U	1 JT
WR-GC-18	WLR0797WRGC18RGC18A	2 U	2 U	2 U	2 UT
WR-GC-19	WLR0797WRGC19RGC19A	2 U	2 U	2 U	2 UT
WR-GC-24	WLR0797WRGC24RGC24A	2 U	2 U	2 U	2 UT
WR-GC-24	WLR0797WRGC24RGC24B	2 U	2 U	2 U	2 UT
WR-GC-25	WLR0797WRGC25RGC25A	2 UG	2 UG	2 UG	2 UT
WR-GC-30	WLR0797WRGC30RGC30A	2 U	2 U	2 U	2 UT

Table C2-19. Values Used in Total Endosulfans Calculations for Subsurface Sediment Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID				
WR-GC-31	WLR0797WRGC31RGC31A	2 U	2 U	2 U	2 UT
WR-GC-32	WLR0797WRGC32RGC32A	2 U	2 U	2 U	2 UT
WR-GC-33	WLR0797WRGC33RGC33A	2 U	2 U	2 U	2 UT
WR-GC-34	WLR0797WRGC34RGC34A	2 UG	2 UG	2 UG	2 UT
WR-GC-35	WLR0797WRGC35RGC35A	0.5 J	2 U	2 U	0.5 JT
WR-GC-37	WLR0797WRGC37RGC37A	2 U	2 U	2 U	2 UT
WR-GC-38	WLR0797WRGC38RGC38A	1 J	2 U	2 U	1 JT
WR-GC-39	WLR0797WRGC39RGC39A	2 U	2 U	2 U	2 UT
CR-VC-01	WLR1199CRVC01RVC01R	1.2 U	2.4 U	2.4 U	2.4 UT
WR-VC-02	WLR1199WRVC02WRVC02	1.7 U	3.4 U	3.4 U	3.4 UT
WR-VC-03	WLR1199WRVC03WRVC03	1.7 U	3.5 U	3.5 U	3.5 UT
WR-VC-04	WLR1199WRVC04WRVC04	1.8 U	3.5 U	3.5 U	3.5 UT
WR-VC-05	WLR1199WRVC05WRVC05	1.6 U	3.2 U	3.2 U	3.2 UT
WR-VC-06	WLR1199WRVC06C06ABC	1.6 U	3.2 U	3.2 U	3.2 UT
WR-VC-06	WLR1199WRVC06RVC06D	1.5 U	2.9 U	2.9 U	2.9 UT
WR-VC-07	WLR1199WRVC07C07ABC	1.4 U	2.9 U	2.9 U	2.9 UT
WR-VC-07	WLR1199WRVC07RVC07D	1.3 U	2.6 U	2.6 U	2.6 UT
OSS001	WLRELF99OSS001SD0004	40 U	40 U	40 U	40 UT
OSS002	WLRELF99OSS002SDC001	40 U	40 U	40 U	40 UT
OSS003	WLRELF99OSS003SD0022	25 U	25 U	25 U	25 UT
OSS004	WLRELF99OSS004SD0013	400 U	400 U	400 U	400 UT
OSS005	WLRELF99OSS005SDC002	10 U	10 U	10 U	10 UT
OSS006	WLRELF99OSS006SD0017	40 U	40 U	40 U	40 UT
RB1	WLRELF99RB1SD1002	10 U	10 U	10 U	10 UT
RB2	WLRELF99RB2SD1004	10 U	10 U	10 U	10 UT
RB3	WLRELF99RB3SD1006	10 U	10 U	10 U	10 UT
RB4	WLRELF99RB4SD1008	10 U	10 U	10 U	10 UT
RB5	WLRELF99RB5SD1010	10 U	10 U	10 U	10 UT
RB6	WLRELF99RB6SD1012	10 U	10 U	10 U	10 UT
RB6	WLRELF99RB6SD1014	10 U	10 U	10 U	10 UT
SD001	WR-WSI98SD0010000A	0.96 UJ	1.9 UJ	1.9 UJ	1.9 UJT
SD035	WR-WSI98SD0350000A	0.97 UJ	1.9 UJ	1.9 UJ	1.9 UJT
SD048	WR-WSI98SD048000ACC	0.95 UJT	1.9 UJT	1.9 UJT	1.9 UJT
SD049	WR-WSI98SD0490000A	0.99 U	2 U	2 U	2 UT
SD055C	WR-WSI98SD055C0000A	8.7 U	17 U	17 U	17 UT
SD057	WR-WSI98SD0570000A	0.99 U	2 U	2 U	2 UT
SD072	WR-WSI98SD0720000A	0.94 U	1.9 U	1.9 UJ	1.9 UJT
SD074	WR-WSI98SD0740000A	0.98 UJ	2 UJ	2 UJ	2 UJT
SD081C	WR-WSI98SD081C0000A	0.96 U	1.9 U	1.9 U	1.9 UT
SD084	WR-WSI98SD084000ACC	380 UT	750 UT	750 UJT	750 UJT
SD090	WR-WSI98SD0900000A	78 U	160 U	160 UJ	160 UJT
SD092	WR-WSI98SD0920000A	3800 U	7500 U	7500 UJ	7500 UJT
SD096	WR-WSI98SD0960000A	0.94 U	1.9 U	3 UI	3 UT
SD106	WR-WSI98SD1060000A	0.97 UJ	1.9 UJ	2.4 UIJ	2.4 UJT
SD116	WR-WSI98SD1160000A	0.99 UJ	2 UJ	2 UJ	2 UJT
SD117	WR-WSI98SD1170000A	0.95 U	1.9 U	1.9 UJ	1.9 UJT
SD138	WR-WSI98SD1380000A	0.96 UJ	1.9 UJ	1.9 UJ	1.9 UJT
SD141	WR-WSI98SD1410000A	0.96 UJ	1.9 UJ	1.9 UJ	1.9 UJT
SD150	WR-WSI98SD1500000A	0.96 U	1.9 U	1.9 UJ	1.9 UJT
SD151	WR-WSI98SD1510000A	0.97 U	1.9 U	1.9 UJ	1.9 UJT

Notes:

G - Estimate is greater than value shown.

I - the MRL/MDL has been elevated due to a chromatographic interference.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C009	LW2-C009-B	6.8	32	8.4	13	9.2	11	71	151 T	10	48	77	58	48		80	75	59	67	85	607 T	758 T
C009	LW2-C009-C	12	23	10	9.2	6.6	17	72	150 T	6.5	27	54	35	30		53	33	55	44	61	399 T	548 T
C011-1	LW2-C011-B1	7.55 T	14 T	9.15 T	12.4 T	6.55 T	32 T	60.5 T	142 T	12.8 T	49.5 T	85 T	86 T	28.5 T		89.5 T	79 T	88.5 T	84.5 T	103 T	706 T	848 T
C011-2	LW2-C011-B2	2.6	4.4	5.8	6.7	1.7 J	13 U	23	44.2 JT	8.7	31	54	53	16		65	51	42	57	59	437 T	481 JT
C011-1	LW2-C011-C1	47.5 T	140 T	18.5 T	29.5 T	68.5 T	80 T	420 T	804 T	16.5 T	66 T	105 T	95 T	30 T		99.5 T	93 T	215 T	89 T	245 T	1050 T	1860 T
C011-2	LW2-C011-C2	23	23	26	32	17	55	160	336 T	35	130	210	230	70		210	220	220	180	270	1780 T	2110 T
C011-1	LW2-C011-D1	41.5 T	315 T	63 T	360 T	410 T	130 UT	1650 T	2840 T	41.5 T	260 T	210 T	170 T	45.5 T		180 T	425 T	485 T	117 T	905 T	2840 T	5680 T
C011-2	LW2-C011-D2	45	130	18	24	51	78	350	696 T	13	52	81	74	23		82	67	170	79	200	841 T	1540 T
C011-2	LW2-C011-E2	10	8.6	21	32	6.4	27	150	255 T	15	90	120	110	34		100	120	130	92	260	1070 T	1330 T
C011-1	LW2-C011-F1	0.5 U	0.24 U	0.33 U	0.41 U	0.28 U	1.3 U	0.92 J	0.92 JT	0.39 U	0.68 U	0.62 U	0.71 U	0.57 U		0.71 U	0.71 J	0.84 U	0.51 U	1 U	0.71 JT	1.63 JT
C015	LW2-C015-B	18	43	19	23	26	21	140	290 T	15	74	130	86	75		120	100	180	110	200	1090 T	1380 T
C015	LW2-C015-C	11	39	16	41	22	19	250	398 T	11	93	92	69	37		76	140	210	61	270	1060 T	1460 T
C015	LW2-C015-D	210	290	75	390	380	140	1400	2890 T	46	340	430	260	240		380	520	860	320	1100	4500 T	7380 T
C015	LW2-C015-E	14	140	21	95	66	56	720	1112 T	21	180	260	130	120		260	210	650	210	1000	3041 T	4153 T
C019-1	LW2-C019-B1	6.1	16	83	130	12	17	180	444 T	64	480	590	490	300		470	690	1200	440	1200	5920 T	6370 T
C019-1	LW2-C019-C1	16	24	23	41	27	41	130	302 T	27	130	200	170	90		170	180	240	150	300	1660 T	1960 T
C019-1	LW2-C019-D1	1.4 J	11	3.9	6.6	4.1	6.4 U	72	99 JT	3.1	28	37	25	24		33	49	54	27	82	362.1 T	461.1 JT
C020	LW2-C020-B	15	64	20	69	58	27	290	543 T	26	220	190	190	150		140	370	500	130	440	2360 T	2900 T
C020	LW2-C020-C	29	55	37	32	20	88	140	401 T	36	180	320	230	170		270	250	220	240	310	2230 T	2630 T
C020	LW2-C020-D	3.6	30	9.9	48	26	11	220	348.5 T	27	260	220	210	190		140	400	720	140	690	2997 T	3345.5 T
C022	LW2-C022-B	2.1 J	5.6	3.2	6.7	3.6	5.4 U	22	43.2 JT	5.5	32	38	34	28		31	38	60	29	56	352 T	395 JT
C022	LW2-C022-C	4.2	5.5	4	6.8	4.1	12	26	62.6 T	6.5	27	40	40	25		36	37	53	34	52	351 T	413 T
C025-1	LW2-C025-B1	0.61 J	0.53 J	0.46 J	0.87 J	0.34 J	1.1 U	3.6	6.41 JT	0.64 J	4.4	4.9	4.1	3.7		3.6	5.3	7.7	3.2	8.1	45.6 JT	52.1 JT
C025-1	LW2-C025-C1	0.54 U	0.26 U	0.35 U	0.35 U	0.3 U	0.88 U	0.52 U	0.88 UT	0.41 U	0.26 U	0.35 U	0.76 U	0.52 U		0.37 U	0.65 U	0.54 U	0.38 U	0.57 U	0.76 UT	0.88 UT
C025-2	LW2-C025-D2	0.49 U	0.21 U	0.29 U	0.29 U	0.25 U	1.8 U	0.47 J	0.47 JT	0.34 U	0.51 J	0.29 U	0.62 U	0.43 U		0.3 U	0.53 U	0.73 J	0.31 U	0.86 J	2.1 JT	2.57 JT
C027	LW2-C027-B	2.6	8.2	7.4	24	4.7	5.9	72	125 T	4.5	47	42	32	37		28	68	130	27	130	546 T	670 T
C027	LW2-C027-C	2.6	9	1.9 J	4.7	3.6	5.2	24	51 JT	0.92 J	9.9	8.7	8.6	6.8		7.8	14	37	6.2	32	132 JT	183 JT
C034	LW2-C034-B	2.4 J	23	4.4	10	2.9	2.7	35	80.4 JT	3.6	27	32	40	22		20	46	120	19	99	429 T	509 JT
C034	LW2-C034-C	4.6	50	6.8	16	17	8.3	230	333 T	6	50	52	43	34		42	64	210	37	200	738 T	1070 T
C034	LW2-C034-E	4.2	5.6	16	18	5.5	8.8	140	198 T	12	120	120	80	70		88	160	300	77	360	1390 T	1590 T
C034	LW2-C034-F	1.4 J	1.8 J	0.86 U	8.7	2.8 U	2.5 U	41	52.9 JT	1 J	21	11	5.9	3.9		8.1	31	29	4.1	53	168 JT	220.9 JT
C038	LW2-C038-B	13	95	14	97	110	46	550	925 T	14	88	110	100	29		120	120	170	110	290	1150 T	2080 T
C038	LW2-C038-C	1.8 J	2 J	1.9 J	3.3	3.3	9.8 U	30	42.3 JT	2.2 J	12	17	14	4.5		18	17	10	17	44	156 JT	198 JT
C038	LW2-C038-D	0.79 J	0.23 U	0.45 J	0.62 J	0.28 U	8.1 U	2.2 J	4.06 JT	0.48 J	2.6	2.9	3.2	1.1 J		2.3 J	2.4 J	4.1	2.7	4.5	26.3 JT	30.3 JT
C060	LW2-C060-B	230	530	200	480	360	420	2800	5020 T	170	1100	1700	1100	1000		1600	1600	3100	1300	3600	16300 T	21300 T
C060	LW2-C060-C	730	3000	400	2500	1800	1200	14000	23600 T	360	3300	4600	3200	2000		4100	4200	13000	3500	14000	52300 T	75900 T
C061	LW2-C061-B	6.9	31	8.4	18	8.4	13	100	186 T	8.6	63	70	67	58		60	94	140	54	160	775 T	960 T
C061	LW2-C061-C	130	210	61	110	76	270	830	1690 T	43	330	410	270	240		330	440	640	300	860	3860 T	5550 T
C061	LW2-C061-E	5	4.1	3.1	4.2	3.8	21	23	64.2 T	0.57 J	5.1	7	4.4	4		7.1	7.8	17	5	26	84 JT	148 JT
C062	LW2-C062-B	9.2	1.7 J	3.6	6.9	3.1	0.44 U	27	51.5 JT	4	22	24	23	6.7		23	36	20	18	65	242 T	293 JT
C062	LW2-C062-C	3.9	1.7 J	5.1	4.9	2.7	0.66 J	18	37 JT	1.7 J	11	15	14	4.6		19	14	20	15	40	152 JT	189 JT
C062	LW2-C062-D	0.73 J	0.22 U	0.3 U	0.3 U	0.26 U	0.47 U	0.44 U	0.73 JT	0.35 U	0.22 U	0.3 U	0.64 U	0.44 U		0.31 U	0.55 U	0.46 U	0.32 U	0.48 U	0.64 UT	0.73 JT
C064	LW2-C064-B	29	42	58	130	55	200	600	1110 T	37	220	360	320	100		440	300	830	390	1000	4000 T	5110 T
C064	LW2-C064-C	1.1 J	0.81 J	1.3 J	1.9 J	1.1 J	0.54 U	6.8	13 JT	0.64 J	3	5.7	5.1	1.5 J		7.3	3.7	7.4	6.2	10	50.5 JT	63.6 JT
C066	LW2-C066-B	2.3 J	4.7	2.6	3.1	1.2 J	12 U	9.4	23.3 JT	2.4 J	10	17	17	5.6		17	14	20	17	27	147 JT	170 JT
C066	LW2-C066-C	0.67 J	0.24 U	0.32 U	0.32 U	0.28 U	7.2 U	0.48 U	0.67 JT	0.38 U	0.98 J	1.4 J	1.4 J	0.48 J		1.5 J	0.76 J	0.57 J	1.4 J	0.92 J	9.41 JT	10.1 JT
C067	LW2-C067-B	15	66	16	43	49	45	210	444 T	25	120	150	180	56		130	140	330	120	280	1530 T	1980 T
C067	LW2-C067-D	240	510	130	490	320	740	2700	5130 T	130	710	950	870	300		920	900	2400	780	2800	10800 T	15900 T
C067	LW2-C067-E	34	42	39	75	37	130	460	817 T	39	220	380	360	110		460	280	660	360	900	3770 T	4590 T
C073	LW2-C073-B	1.6 J	11	2.8	5.9	2.6	4.3	54	82.2 JT	2.8	11	16	17	10		21	22	33	16	51	200 T	282 JT
C073	LW2-C073-C	59	100	25	45	55	110	340	734 T	19	180	190	120	120		140	250	380	120	420	1940 T	2670 T
C073	LW2-C073-D	130	430	150	310	320	420	3800	5560 T	120	1100	1400	840	840		1200	1500	2600	1000	3800	14400 T	20000 T
C074	LW2-C074-B	2.4 J	5.3	3	4.5	3.6	0.58 U	17	35.8 JT	4.4	17	25	26	8.6		25	22	34	24	43	220 T	265 JT
C074	LW2-C074-C	2.1 J	1.7 J	1.5 J	2.7	0.75 J	0.48 U	10	18.8 JT	2.1 J	10	13	15	5.8		13	14	16	9.7	23	122 JT	140 JT
C074	LW2-C074-D	1.8 J	4.4	3.2	4	3.5	0.51 U	6.8	23.7 JT	4	18	27	27	9		24	22	23	23	29	206 T	230 JT
C074	LW2-C074-F	0.88 J	0.22 U	0.3 U	0.3 U	0.26 U	0.48 U	0.45 U	0.88 JT	0.36 U	0.22 U	0.3 U	0.65 U	0.45 U		0.32 U	0.56 U	0.47 U	0.33 U	0.49 U	0.65 UT	0.88 JT
C077	LW2-C077-C	840	1100	150	440	580	560	2700	6370 T	160	1100	1600	980	940		1500	1400	2900	1300	3200	15100 T	21500 T
C077	LW2-C077-D	0.79 J	0.99 J	4.9	3.4	0.7 J	1.9 J	6.2	18.9 JT	3.5	29	45	28	26		37	35	43	31	54	332 T	350 JT
C078	LW2-C078-B	0.49 U	0.23 U	0.32 U	0.32 U	0.27 U	0.5 U	0.47 U	0.5 UT	0.37 U	0.23 U	0.32 U	0.68 U	0.47 U		0.49 J	0.59 U	0.49 U	0.63 J	0.51 U	1.12 JT	1.12 JT
C078	LW2-C078-C	0.49 U	0.23 U	0.32 U	0.32 U	0.27 U	0.5 U	0.47 U	0.5 UT	0.37 U	0.23 U	0.32 U	0.68 U	0.47 U		0.88 J	0.58 U	0.49 U	0.38 J	0.51 U	1.26 JT	1.26 JT
C079	LW2-C079-B	0.53 U	0.25 U	0.36 J	0.46 U	0.3 U	0.54 U	2.6 U	0.36 JT	0.48 J	2.7 U	4.9 U	3.4 U	3.2 U		6.3 U	3.8 U	6.5 J	4.9 U	9 J	16 JT	16.3 JT
C079	LW2-C079-C	0.49 U	0.24 U	0.32 U	0.32 U	0.28 U	0.51 U	0.48 U	0.51 UT	0.38 U	0.24 U	0.32 U	0.7 U	0.48 U		0.34 U	0.6 U	0.49 U	0.35 U	0.52 U	0.7 UT	0.7 UT
C080	LW2-C080-B	2.7	22	5.7	110	23	7.7	5700	5870 T	7.8	140	69	60	62		63	180	2600	55	1800	5040 T	10900 T
C080	LW2-C080-C	2 J	4.8	3.1	24	3.7	0.45 U	230	268 JT	10	79	32	31	23		33	110	290	20	500	1130 T	1400 JT
C082	LW2-C082-B1	7.5	4	3.6	7.4	4.4	20	22	68.9 T	3.8	25	34	26	22		35	34	27	31	74	312 T	381 T
C082-2	LW2-C082-B2	9.2 T	4.85 T	6.95 T	15.5 T	6 T	24 T	39.5 T	106 T	11.2 T	73 T	103 T	70 T	61.5 T		86.5 T	96.5 T	92 T	82.5 T	150 T	826 T	932 T
C082	LW2-C082-C1	0.69 J	0.21 U	0.29 U	0.29 U	0.25 U	0.46 U	0.68 J	1.37 JT	0.34 U	0.54 J	0.57 J	0.63 U	0.43 U		0.61 J	0.54 U	0.72 J	0.65 J	0.49 J	3.58 JT	4.95 JT
C082-2	LW2-C082-C2	1.85 JT	0.545 JT	1.5 JT	3.05 JT	1.26 JT	0.46 UT	8.9 T	17.1 JT	2.07 JT	18.3 T	20.4 T	14 T	11.8 T		15.9 T	19 T	22.7 T	15.3 T	31.5 T	171 JT	188 JT
C082	LW2-C082-D1	0.39 U	0.19 U	0.25 U	0.25 U	0.22 U	0.4 U	0.38 U	0.4 UT	0.3 U	0.19 U	0.25 U	0.55 U	0.38 U		0.67 J	0.5 J	0.39 U	0.55 J	0.41 U	1.72 JT	1.72 JT
C082-2	LW2-C082-D2	0.54 JT	0.2 UT	0.28 UT	0.28 UT	0.24 UT	0.43 UT	0.41 UT	0.54 JT	0.32 UT	0.2 UT	0.28 UT	0.59 UT	0.41 UT		0.29 UT	0.51 UT	0.49 JT	0.3 UT	0.54 JT	1.03 JT	1.57 JT
C083	LW2-C083-B	7.6	16	19	28	11	34	91	207 T	18	100	180	150	100		200	160	150	160	280	1500 T	1700 T
C083	LW2-C083-C	9.6	6.1	14	18	6.1	33	54	141 T	11	66	110	82	74		130	110	73	110	220	986 T	1130 T
C084	LW2-C084-B	3.5	13	4.5	16	7.6	9	63	117 T	20	89	130	120	94		110	120	160	110	180	1130 T	1250 T
C084	LW2-C084-C	1.6 J	1.4 J	1.4 J	3	1.5 J	0.52 U	12	20.9 JT	1.2 J	9.2	15	12	8.6		15	13	19	14	28	135 JT	156 JT
C084	LW2-C084-D	0.5 U	0.24 U	0.32 U	0.32 U	0.28 U	0.51 U	0.48 U	0.51 UT	0.38 U	0.24 U	0.32 U	0.7 U	0.48 U		0.34 U	0.6 U	0.5 U	0.35 U	0.53 U	0.7 UT	0.7 UT
C086	LW2-C086-B	6.5	14	7.9	31	11	12	94	176 T	26	100	140	150	99		140	160	220	130	210	1380 T	1550 T
C086	LW2-C086-C	0.42 U	0.2 U	0.27 U	0.27 U	0.24 U	0.42 U	0.59 J	0.59 JT	0.32 U	0.33 J	0.6 J	0.59 U	0.41 U		0.34 J	0.51 U	0.76 J	0.3 U	0.61 J	2.64 JT	3.23 JT
C087	LW2-C087-B	5.6	8.7	5.5	13	5.4	14	47	99.2 T	14	58	86	80	66		82	79	96	82	120	763 T	862 T
C087	LW2-C087-C	0.85 J	0.39 J	0.38 J	0.78 J	0.31 J	0.47 U	2.8	5.51 JT	0.37 J	2.8	3.4	3.5	2.4 J		3.3	3.6	4	3.1	7	33.5 JT	39 JT
C088	LW2-C088-B	11	31	9.5	27	19	34	160	292 T	27	120	150	150	110		140	170	290	130	340	1630 T	1920 T
C088	LW2-C088-C	0.43 J	0.57 J	0.33 J	0.75 J	0.37 J	0.42 U	3	5.45 JT	1.8 J	3.6	6.4	4.5	4.7		7.4	5.5	3.7	6.8	8.7	53.1 JT	58.6 JT
C089	LW2-C089-B	87	220	20	130	190	61	1100	1810 T	23	210	190	180	130		170	290	920	160	890	3160 T	4970 T
C089	LW2-C089-C	2.8	2.3 J	0.99 J	3.6	2.6	0.45 U	24	36.3 JT	0.59 J	6.5	6.1	5.1	4.3		5.7	9.8	16	5.3	23	82.4 JT	119 JT
C089	LW2-C089-D	0.51 U	0.24 U	0.33 U	0.33 U	0.29 U	0.52 U	0.49 U	0.52 UT	0.39 U	0.24 U	0.33 U	0.71 U	0.49 U		0.34 U	0.61 U	0.51 U	0.36 U	0.54 U	0.71 UT	0.71 UT
C090	LW2-C090-B	5.3	13	4.4	23	10	13	94	163 T	25	100	130	130	100		120	160	200	110	230	1310 T	1470 T
C090	LW2-C090-C	0.42 U	0.2 U	0.27 U	0.27 U	0.24 U	0.43 U	0.42 J	0.42 JT	0.32 U	0.32 J	0.27 U	0.59 U	0.4 U		0.28 U	0.5 U	0.71 J	0.3 U	0.58 J	1.61 JT	2.03 JT
C091	LW2-C091-B	5	15	7.4	23	11	14	100	175 T	27	130	180	170	120		170	180	250	160	320	1710 T	1880 T
C091	LW2-C091-C	6.8	15	9.7	25	14	21	100	192 T	27	120	170	150	120		170	170	230	150	310	1620 T	1810 T
C091	LW2-C091-D	0.45 U	0.21 U	0.29 U	0.29 U	0.25 U	0.46 U	0.76 J	0.76 JT	0.35 U	0.73 J	1 J	0.85 J	0.79 J		1.3 J	1.1 J	1.2 J	0.77 J	2.1 J	9.84 JT	10.6 JT
C092	LW2-C092-B	390	1100	48	4100	2200	240	12000	20100 T	710	3800	2700	3300	2200		1700	5400	12000	1900	13000	46700 T	66800 T
C092	LW2-C092-C	74	3900	42	4200	4100	58	24000	36400 T	500	3600	1800	2000	1700		950	4300	18000	950	21000	54800 T	91200 T
C092	LW2-C092-D	28	820	36	250	460	47	1400	3040 T	34	260	270	210	180		260	360	970	250	1200	3990 T	7040 T
C092	LW2-C092-E	9.5	17	9	16	12	25	60	149 T	11	63	94	72	63		78	85	110	76	130	782 T	931 T
C093	LW2-C093-B	40	110	71	170	89	85	820	1390 T	80	450	620	670	220		640	620	1400	540	1700	6940 T	8330 T
C093	LW2-C093-C	0.47 U	0.53 J	0.66 J	0.49 J	0.31 J	0.48 U	1.9 J	3.89 JT	0.43 J	0.96 J	1.4 J	1.2 J	0.46 U		1.8 J	1.2 J	2.3 J	1.5 J	2.9	13.7 JT	17.6 JT

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Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C094	LW2-C094-B	13	120	28	84	78	44	620	987 T	70	390	510	450	360		490	600	990	460	1200	5520 T	6510 T
C094	LW2-C094-C	0.52 U	0.66 J	0.34 U	0.34 U	0.29 U	0.54 U	2.8	3.46 JT	0.4 U	0.73 J	0.34 U	0.74 U	0.51 U		0.36 U	0.86 J	1.9 J	0.37 U	2 J	5.49 JT	8.95 JT
C096	LW2-C096-B	93	62	130	140	69	350	2400	3240 T	240	2300	3000	1500	1700		2000	3100	5300	1900	6700	27700 T	31000 T
C096	LW2-C096-C	0.74 U	2.1 J	4	6.7	2.1 J	5.2	28	48.1 JT	1.2 J	15	14	8.3	7.3		9.7	21	26	8	46	157 JT	205 JT
C099	LW2-C099-B	25	42	36	46	31	75	210	465 T	40	220	320	230	190		280	300	420	260	530	2790 T	3260 T
C099	LW2-C099-C	230	320	100	340	260	880	2000	4130 T	97	800	1100	630	680		1000	1100	2100	860	2800	11200 T	15300 T
C103	LW2-C103-B	15	20	6.7	17	15	35	72	181 T	9.8	56	78	66	52		67	75	100	66	130	700 T	881 T
C103	LW2-C103-D	68	100	38	160	75	190	740	1370 T	43	360	540	350	280		530	480	1100	460	1500	5640 T	7010 T
C103	LW2-C103-E	1.4 J	0.91 J	2 J	2.4 J	0.84 J	0.46 U	15	22.6 JT	1.1 J	9.9	16	11	9.7		15	14	16	13	30	136 JT	158 JT
C105	LW2-C105-B	22	28	15	27	21	86	180	379 T	12	65	98	86	29		100	81	240	89	270	1070 T	1450 T
C105	LW2-C105-C	0.91 J	0.25 U	0.34 U	0.34 U	0.29 U	13 U	0.62 J	1.53 JT	0.4 U	0.6 U	0.34 U	0.73 U	0.51 U		0.47 J	0.63 U	0.8 J	0.5 J	0.84 J	2.61 JT	4.14 JT
C106	LW2-C106-B	0.64 U	0.3 U	0.41 U	0.41 U	0.36 U	0.65 U	1.2 J	1.2 JT	0.49 U	0.3 U	0.41 U	0.9 U	0.62 U		0.43 U	0.77 U	0.99 J	0.45 U	0.89 J	1.88 JT	3.08 JT
C106	LW2-C106-C	180	230	31	86	150	370	540	1590 T	23	150	210	140	130		200	200	470	180	550	2250 T	3840 T
C106	LW2-C106-E	63	130	58	160	86	210	830	1540 T	65	390	630	390	340		700	550	1200	540	1700	6510 T	8040 T
C106	LW2-C106-F	36	38	56	100	41	170	490	931 T	42	260	410	280	230		450	370	810	370	1100	4320 T	5250 T
C109	LW2-C109-B	60	53	17	57	50	190	290	717 T	30	160	210	180	130		180	230	400	170	450	2140 T	2860 T
C109	LW2-C109-C	390	580	50	210	410	350	1400	3390 T	43	280	320	210	190		300	360	880	260	970	3810 T	7200 T
C109	LW2-C109-E	0.6 J	0.39 J	2.2 J	5	0.79 J	0.46 U	9.5	18.5 JT	0.92 J	11	11	6.1	6.7		7.5	12	19	6.7	28	109 JT	127 JT
C111-1	LW2-C111-B	18	24	9.4	22	18	40	78	209 T	15	78	98	110	38		81	91	140	74	140	865 T	1070 T
C111-2	LW2-C111-B2	18	25	12	32	19	58	130	294 T	28	120	160	190	63		160	160	250	140	250	1520 T	1820 T
C111-1	LW2-C111-C	69	120	17	51	70	120	260	707 T	13	78	94	100	36		85	96	250	76	240	1070 T	1780 T
C111-2	LW2-C111-C2	710	690	100	520	640	310	2900	5870 T	100	870	990	870	270		800	920	2200	710	2600	10300 T	16200 T
C111-2	LW2-C111-D2	250	300	43	180	230	320	1200	2523 T	39	240	320	190	180		320	320	800	270	850	3529 T	6052 T
C111-2	LW2-C111-E2	75	140	77	180	100	180	850	1600 T	85	410	630	570	210		700	510	1200	520	1500	6340 T	7940 T
C111-1	LW2-C111-F	64	63	100	150	79	350	780	1590 T	37	250	380	360	110		400	320	870	330	1100	4160 T	5740 T
C112	LW2-C112-B	49	31	20	41	25	99	140	405 T	26	130	190	200	66		160	150	260	150	260	1590 T	2000 T
C112	LW2-C112-C	85	250	480	620	210	220	3200	5070 T	290	2300	4300	3300	1100		4400	2500	5900	3500	7900	35500 T	40600 T
C112	LW2-C112-D	290	550	130	510	470	570	3100	5620 T	150	790	1000	940	360		930	970	2600	800	2900	11400 T	17100 T
C121	LW2-C121-B	200	830	120	340	370	370	4400	6630 T	100	930	1200	830	640		1100	1300	3900	920	4300	15200 T	21900 T
C121	LW2-C121-C	320	1400	240	720	1000	780	11000	15500 T	280	2500	3600	2200	1800		3400	3200	9300	2800	12000	41100 T	56500 T
C121	LW2-C121-D	0.46 U	0.22 U	0.35 J	0.91 J	0.29 J	0.49 U	6	7.55 JT	0.35 U	1.9	2.1	1.3 J	1.7 J		2.2	2.6	7.1	1.7	9.4	30 JT	37.55 JT
C122	LW2-C122-B	78	200	58	120	190	170	1100	1920 T	52	350	420	460	170		410	490	1300	320	1200	5170 T	7090 T
C122	LW2-C122-C	200	700	180	340	550	470	5000	7440 T	180	1300	1700	1500	480		1600	1700	4500	1300	5500	19800 T	27200 T
C127	LW2-C127-B	430	1600	250	610	890	970	6500	11300 T	150	1200	1800	1000	1000		1700	1700	4400	1400	5700	20100 T	31300 T
C127	LW2-C127-C	340	1600	340	750	1000	1300	9400	14700 T	330	2500	3600	2100	1800		3300	3400	9000	2800	11000	39800 T	54600 T
C127	LW2-C127-D	1.2 J	4.4	2.2 J	3.2	2.3 J	6.8	25	45.1 JT	1.8 J	11	19	12	10		19	16	37	16	52	194 JT	239 JT
C130	LW2-C130-B	410	1900	500	2100	1500	1100	16000	23500 T	630	4100	6500	5500	1700		6000	5400	15000	5100	19000	68900 T	92400 T
C130	LW2-C130-C	2.6	2.4 J	2.8	7.5	3	23	45	86.3 JT	7.2	30	61	50	16		70	39	61	57	100	491 T	578 JT
C130	LW2-C130-E	1.6 J	0.4 J	0.32 U	0.32 U	0.3 J	14	1.1 J	17.4 JT	0.37 U	0.68 J	0.45 J	0.68 U	0.47 U		0.76 J	0.58 U	0.85 J	0.41 J	0.91 J	4.06 JT	21.5 JT
C133	LW2-C133-B	6.5	7.6	3.9	9.6	7.3	13	41	88.9 T	5.4	29	40	40	31		41	58	85	33	79	441 T	530 T
C133	LW2-C133-D	85	140	72	170	120	110	780	1480 T	47	320	460	330	270		430	440	790	380	860	4330 T	5800 T
C135	LW2-C135-B	7	11	4.2	12	9.4	13	84	141 T	6.1	36	46	44	36		45	68	130	38	120	569 T	710 T
C135	LW2-C135-C	19	38	40	60	32	42	210	441 T	30	220	300	220	200		250	350	470	220	440	2700 T	3140 T
C135	LW2-C135-D	37	240	46	140	160	50	630	1303 T	43	290	400	250	260		350	350	620	310	750	3623 T	4926 T
C136	LW2-C136-B	75	160	39	110	98	110	650	1240 T	29	190	250	230	78		230	230	610	190	660	2700 T	3940 T
C136	LW2-C136-C	280	310	100	420	280	190	2200	3780 T	65	440	500	460	170		470	560	1200	370	1600	5840 T	9620 T
C136	LW2-C136-D	1200	2300	320	3200	1700	680	18000	27400 T	510	3600	5200	4400	1400		4800	4600	14000	4400	17000	59900 T	87300 T
C138	LW2-C138-C	0.9 J	1.3 J	0.47 J	1.2 J	1.1 J	1.2 U	7.6	12.6 JT	0.34 U	1.4 J	1.2 J	0.91 J	0.88 J		1.1 J	1.7 J	5.3	0.94 J	5	18.4 JT	31 JT
C139	LW2-C139-B	7.6	30	9.5	20	21	27	99	214 T	10	51	82	61	51		81	70	140	72	140	758 T	972 T
C139	LW2-C139-C	8.8	24	16	48	32	20	250	399 T	14	90	100	89	72		89	140	330	81	290	1300 T	1690 T
C139	LW2-C139-D	0.44 U	0.21 U	0.28 U	0.65 J	0.36 J	1.3 U	3.6	4.61 JT	0.33 U	1.1 J	0.93 J	0.82 J	0.58 J		1.2 J	1.4 J	4.1	0.99 J	5.3	16.42 JT	21.03 JT
C142	LW2-C142-B	130	560	120	460	400	270	3100	5040 T	130	800	1200	1000	330		1000	1000	2000	900	2400	10800 T	15800 T
C142	LW2-C142-C	2000	5700	630	10000	4900	1800	52000	77000 T	1100	9900	14000	11000	3700		13000	12000	40000	11000	49000	165000 T	242000 T
C144	LW2-C144-B	13	27	47	53	23	45	140	348 T	37	140	240	200	130		270	190	310	240	270	2030 T	2380 T
C144	LW2-C144-C	18	65	23	44	47	48	270	515 T	30	160	240	160	140		250	220	350	220	420	2190 T	2705 T
C144	LW2-C144-D	16	67	69	72	40	60	310	634 T	54	460	710	480	320		590	610	850	510	940	5520 T	6160 T
C144	LW2-C144-E	0.46 U	1.7 J	1.2 J	0.8 J	0.69 J	0.48 U	5.9	10.29 JT	0.8 J	5.2	8.3	4.8	5		7.9	6.8	9.9	6.3	16	71 JT	81.29 JT
C147	LW2-C147-B	160	430	110	540	380	230	2800	4650 T	79	600	700	620	230		650	750	1500	490	2100	7720 T	12400 T
C147	LW2-C147-C	1100	2100	190	2000	1300	730	11000	18400 T	210	1600	2000	1700	580		1800	2100	7200	1400	8700	27300 T	45700 T
C147	LW2-C147-E	2100	4600	550	12000	4000	1300	48000	72600 T	1300	11000	16000	12000	4100		15000	12000	44000	12000	54000	181000 T	254000 T
C148	LW2-C148-B	3.9	8.7	4.7	10	6.6	7.2	44	85.1 T	7.1	29	53	42	32		53	41	72	46	75	450 T	535 T
C148	LW2-C148-C	15	16	11	23	13	37	84	199 T	9.4	47	76	60	46		90	69	120	74	140	731 T	930 T
C148	LW2-C148-E	47	410	64	110	250	110	1800	2791 T	72	390	640	370	310		670	510	1300	570	1700	6532 T	9323 T
C152	LW2-C152-B	16	25	21	39	20	46	120	287 T	17	83	130	110	82		150	120	170	130	190	1180 T	1470 T
C152	LW2-C152-C	67	230	32	83	140	89	530	1170 T	29	160	220	170	130		240	210	430	210	450	2250 T	3420 T
C152	LW2-C152-E	0.66 J	1.8 J	0.85 J	0.9 J	1.1 J	0.47 U	8.8	14.11 JT	0.5 J	3.5	5.4	3.7	3.1		5.8	5.2	10	4.1	18	59.3 JT	73.41 JT
C155	LW2-C155-B	22	24	27	51	30	84	250	488 T	26	130	220	150	120		290	170	420	230	510	2270 T	2750 T
C155	LW2-C155-C	11	80	39	83	34	92	660	999 T	42	250	590	440	180		890	340	1200	640	1600	6170 T	7170 T
C155	LW2-C155-D	0.47 U	2.5	1.1 J	1.4 J	0.58 J	0.5 U	9.6	15.18 JT	0.36 U	2.4	6.7	3.8	3.4		14	4.1	10	6.5	32	82.9 T	98.08 JT
C156	LW2-C156-B	40	86	26	74	62	73	320	681 T	23	120	180	130	110		180	180	330	160	360	1770 T	2450 T
C156	LW2-C156-C	67	290	45	150	170	86	780	1590 T	32	250	250	180	140		250	260	550	220	580	2710 T	4300 T
C156	LW2-C156-F	0.45 U	0.21 U	0.29 U	0.29 U	0.25 U	0.45 U	0.73 J	0.73 JT	0.34 U	0.21 U	0.29 U	0.63 U	0.44 U		0.3 U	0.54 U	0.7 J	0.32 U	0.78 J	1.48 JT	2.21 JT
C157	LW2-C157-B	210	670	180	540	440	700	3600	6340 T	150	1000	1500	1000	740		1500	1300	3500	1300	4200	16200 T	22500 T
C157	LW2-C157-C	58	110	72	160	84	220	770	1470 T	68	370	670	430	320		810	480	1300	680	1600	6730 T	8200 T
C158	LW2-C158-B	22	33	17	40	31	40	190	373 T	17	97	140	110	87		150	140	270	120	270	1400 T	1770 T
C158	LW2-C158-C	44	280	42	93	140	78	480	1160 T	48	250	400	310	210		340	330	580	320	540	3330 T	4490 T
C158	LW2-C158-D	44	150	52	100	100	86	900	1430 T	64	380	560	420	270		460	480	970	430	1100	5130 T	6570 T
C158	LW2-C158-E	1.4 J	6.5	1.5 J	2.9	3.8	0.46 U	40	56.1 JT	1.6 J	10	14	10	9.3		15	14	37	12	49	171.9 JT	228 JT
C160	LW2-C160-B	73	200	83	140	130	180	960	1770 T	50	330	680	380	330		640	460	1300	540	1500	6130 T	7900 T
C160	LW2-C160-C	79	180	91	210	110	330	1200	2200 T	93	530	950	660	460		1100	700	1900	950	2400	9700 T	11900 T
C161	LW2-C161-B	97	170	86	200	120	310	1100	2080 T	67	430	710	490	340		860	570	1600	690	2000	7760 T	9840 T
C161	LW2-C161-C	20	42	29	71	41	98	430	731 T	25	160	250	180	120		320	210	620	260	790	2940 T	3670 T
C162	LW2-C162-B	30	47	31	73	38	54	260	533 T	35	190	290	200	180		250	250	430	230	420	2480 T	3010 T
C162	LW2-C162-C	58	170	75	110	120	120	760	1410 T	81	410	680	470	370		600	540	890	560	920	5520 T	6930 T
C162	LW2-C162-D	0.58 J	1.7 J	0.64 J	0.59 J	1.2 J	0.46 U	8.3	13.01 JT	0.58 J	2.4	4.7	3	3.1		6.3	3.6	7	4.6	9.8	45.08 JT	58.09 JT
C163-1	LW2-C163-B1	0.58 J	1.8 J	3	9.3	1.9 J	1.4 J	45	63 JT	2.2 J	24	22	12	15		13	30	51	11	64	244 JT	307 JT
C163-2	LW2-C163-B2	6.85 T	26 T	4.45 T	15.8 T	14.8 T	8.7 T	96.5 T	173 T	2.55 JT	27 T	26.5 T	15 T	18.1 T		19.5 T	34.5 T	88.5 T	16.5 T	97.5 T	346 JT	519 JT
C163-1	LW2-C163-C1	38	92	57	190	100	190	1200	1870 T	93	540	880	640	410		1100	710	2000	890	2400	9660 T	11500 T
C163-2	LW2-C163-C2	36 T	76.5 T	58 T	160 T	78 T	180 T	800 T	1390 T	60 T	415 T	650 T	460 T	320 T		700 T	545 T	1470 T	590 T	1850 T	7060 T	8450 T
C163-2	LW2-C163-D2	0.49 U	0.31 J	0.33 J	1.1 J	0.49 J	0.51 UT	6.4	8.63 JT	0.37 U	1.1 J	1.2 J	0.87 J	0.77 J		1.4 J	1.4 J	7.5	1.1 J	9.7	25.04 JT	33.67 JT
C164	LW2-C164-B	2.9	4.8	3.8	5.4	2.2 J	17	17	53.1 JT	5.2	21	32	33	11		33	29	32	31	49	276 T	329 JT
C164	LW2-C164-C	5.3	14	11	9.4	6.5	39	37	122 T	4.8	34	51	46	16		50	42	35	39	87	405 T	527 T
C164	LW2-C164-E	1500	1900	83	650	1400	780	4100	10400 T	44	450	380	390	130		340	510	2200	270	1800	6510 T	16900 T
C166	LW2-C166-B	3.1 J	19	25	34	17	14	130	242 JT	19	95	150	120	89		180	140	290	150	310	1540 T	1790 JT
C166	LW2-C166-C	64	610	140	360	350	130	2200	3850 T	96	650	1000	840	460		910	850	1900	830	2100	9640 T	13500 T

BZTO104(e)028838

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C166	LW2-C166-D	250	940	150	600	530	390	3800	6660 T	100	660	950	630	530		1000	900	2600	870	3100	11300 T	18000 T
C167	LW2-C167-B	46	120	36	98	97	130	500	1030 T	34	200	380	200	190		290	270	510	270	570	2830 T	3860 T
C167	LW2-C167-C	110	670	65	160	420	200	1500	3130 T	70	480	630	430	410		550	630	1300	520	1500	6520 T	9650 T
C167	LW2-C167-D	18	89	32	39	44	50	430	702 T	23	200	290	190	150		250	270	550	220	720	2860 T	3570 T
C169	LW2-C169-B	30	76	31	76	47	120	230	610 T	34	210	280	250	180		260	360	510	220	370	2470 T	3080 T
C169	LW2-C169-C	97	230	57	130	160	210	750	1630 T	53	300	410	310	250		440	400	770	370	900	4200 T	5840 T
C170	LW2-C170-B	42	95	56	120	81	140	810	1340 T	50	290	480	320	250		620	390	1100	450	1300	5250 T	6590 T
C170	LW2-C170-C	12	43	20	48	21	50	280	474 T	27	210	290	200	150		310	250	520	240	670	2870 T	3340 T
C171	LW2-C171-B	54	150	33	110	110	130	620	1210 T	36	210	280	220	160		280	280	590	240	610	2910 T	4110 T
C171	LW2-C171-C	150	350	50	120	200	880	920	2670 T	44	250	360	260	190		360	330	680	310	740	3520 T	6190 T
C171	LW2-C171-D	0.48 U	0.8 J	0.32 U	0.32 U	0.43 J	0.9 U	3.7	4.93 JT	0.37 U	0.88 J	0.79 J	0.68 U	0.73 J		1.1 J	1.1 J	2.7	0.67 J	4.5	12.47 JT	17.4 JT
C172	LW2-C172-B	25	64	17	43	41	37	180	407 T	14	90	120	100	85		120	130	250	98	270	1280 T	1680 T
C172	LW2-C172-C	130	610	97	360	490	240	2300	4230 T	80	640	650	550	470		560	810	2200	510	2100	8570 T	12800 T
C172	LW2-C172-E	3.9	11	2	4.1	4.3	13	65	103.3 T	1.3 J	16	18	12	14		16	22	51	12	70	232.3 JT	335.6 JT
C173	LW2-C173-B	11	24	12	31	17	37	110	242 T	12	66	98	81	69		110	110	180	86	210	1020 T	1260 T
C173	LW2-C173-C	43	130	33	69	77	90	460	902 T	29	170	240	180	160		260	230	480	210	570	2530 T	3430 T
C173	LW2-C173-E	6.7	3.1	1.1 J	0.9 J	1 J	120	5.3	138.1 JT	0.34 U	0.66 J	0.59 J	0.62 U	0.43 U		0.53 J	0.73 J	2.7	0.34 J	3.5	9.05 JT	147.15 JT
C176	LW2-C176-B	58	220	31	580	190	110	920	2110 T	33	200	240	260	87		210	280	750	200	710	2970 T	5080 T
C176	LW2-C176-C	1.8 J	2.7	2.7	5	1.6 J	0.53 U	13	26.8 JT	4.4	11	42	41	12		32	6.4	19	23	180	371 T	398 JT
C176	LW2-C176-G	0.47 J	0.22 U	0.3 U	0.3 U	0.26 U	0.47 U	0.44 U	0.47 JT	0.43 J	0.22 U	0.3 U	0.64 U	0.44 U		0.34 J	0.55 U	0.46 U	0.32 U	0.48 U	0.77 JT	1.24 JT
C179	LW2-C179-B	990	4400	400	3700	2500	1400	20000	33400 T	330	3500	4500	2700	2800		4300	4600	15000	3400	17000	58100 T	91500 T
C179	LW2-C179-C	460	2300	450	2600	1400	1900	16000	25100 T	380	3600	5100	3400	3000		5100	5000	16000	4000	18000	63600 T	88700 T
C179	LW2-C179-D	310	2100	340	2900	1300	1300	15000	23300 T	410	3900	5300	3400	3200		4900	5400	16000	3900	17000	63400 T	86700 T
C182	LW2-C182-B	190	2100	270	1100	1100	490	5900	11200 T	150	1100	1400	910	830		1400	1500	3500	1100	4600	16500 T	27600 T
C182	LW2-C182-C	300	620	130	560	450	460	3100	5620 T	69	550	640	470	400		740	770	1900	530	2600	8670 T	14300 T
C182	LW2-C182-D	630	1100	110	720	670	330	4700	8260 T	110	810	1000	630	510		1100	1100	2900	910	3800	12870 T	21130 T
C184	LW2-C184-B	52	470	83	130	260	120	1000	2120 T	120	530	860	830	260		790	620	1200	750	1300	7260 T	9380 T
C184	LW2-C184-C	270	5400	1100	6500	4300	660	36000	54200 T	800	7400	8300	7100	2200		6200	8600	18000	5800	26000	90400 T	145000 T
C184	LW2-C184-D	30	100	53	82	65	230	770	1330 T	26	160	260	220	65		290	200	680	250	780	2930 T	4260 T
C184	LW2-C184-E	3.3	5.2	23	65	9	14	140	259.5 T	15	150	160	78	96		97	170	240	85	330	1421 T	1680.5 T
C185	LW2-C185-B	100	610	100	330	430	180	2800	4550 T	110	730	1080	680	530		970	1000	2300	810	2800	10900 T	15500 T
C185	LW2-C185-C	190	1300	280	1300	1200	640	11000	15900 T	430	3200	5100	3600	2400		5200	4600	12000	4000	15000	55500 T	71400 T
C185	LW2-C185-D	4.9	86	18	39	34	41	400	622.9 T	34	220	370	220	200		360	310	580	310	800	3404 T	4026.9 T
C187	LW2-C187-B	83	490	140	240	340	230	2900	4420 T	130	1100	1600	980	960		1400	1500	3000	1200	4100	16000 T	20400 T
C187	LW2-C187-C	200	2200	260	3300	1900	720	22000	30600 T	640	5600	8700	5000	4500		7200	7200	21000	6800	27000	93600 T	124000 T
C187	LW2-C187-D	1.6 J	1.4 J	1.4 J	3.6	1.7 J	11	16	36.7 JT	1.3 J	10	16	11	8.4		17	13	20	14	55	166 JT	202 JT
C192	LW2-C192-B	87	190	49	130	130	190	730	1510 T	44	250	360	360	130		310	340	800	270	790	3650 T	5160 T
C192	LW2-C192-C	980	3400	610	2400	1900	1100	15000	25400 T	350	2900	3800	3300	1000		3100	3600	9600	2600	11000	41300 T	66600 T
C192	LW2-C192-D	41	320	73	260	78	180	1700	2650 T	350	680	790	640	2.2 U		640	1100	1500	490	1600	7790 T	10400 T
C196	LW2-C196-B	23	47	46	58	51	54	590	869 T	28	250	260	160	140		180	310	520	170	660	2680 T	3550 T
C196	LW2-C196-C	2.3 J	4.3	4.9	4.4	2.9	7.5	25	51.3 JT	2.6	16	22	14	12		19	21	35	16	45	203 T	254 JT
C197	LW2-C197-B	130	380	91	360	330	210	2000	3500 T	86	590	670	650	210		490	690	1400	420	1500	6710 T	10200 T
C197	LW2-C197-C	280	1800	170	650	900	670	6200	10700 T	150	1200	1600	1400	490		1500	1500	4600	1200	5500	19100 T	29800 T
C197	LW2-C197-D	0.86 U	1.3 U	0.63 J	2.1 J	0.84 U	2.7 U	8	10.7 JT	0.62 J	5.2	7.1	6.1	2.1 J		7.6	6.5	14	5.8	19	74 JT	84.8 JT
C199	LW2-C199-B	62	200	64	160	140	190	900	1720 T	82	520	620	770	290		500	680	1500	430	1400	6790 T	8510 T
C199	LW2-C199-C	2.1	3.3	3.5	5.1	2.7	8.3	27	52 T	2.8	15	20	21	6.5		20	21	35	18	43	202 T	254 T
C202	LW2-C202-B	540	1500	71	590	990	780	2800	7270 T	91	730	760	670	360		540	830	2100	520	2200	8800 T	16100 T
C202	LW2-C202-C	560	6300	300	2100	2000	1200	9500	22000 T	250	1600	2300	1400	1500		2200	2200	6500	2100	8000	28100 T	50000 T
C202	LW2-C202-D	1.9	2.1	0.93 J	3.3	1.5 J	12	10	31.73 JT	0.59 U	3.1	3.8	2.5	2.3 U		4.8	4.8	8.6	3.2	14	44.8 T	76.53 JT
C203	LW2-C203-B	24	110	37	130	100	64	560	1030 T	82	400	570	450	370		460	490	860	460	720	4860 T	5890 T
C203	LW2-C203-C	650	1100	220	760	980	1300	4500	9510 T	230	1400	1700	1200	1200		1400	1900	4600	1500	5000	20100 T	29600 T
C203	LW2-C203-E	29	35	27	61	32	120	230	534 T	8.1	65	91	58	50		100	96	260	78	310	1120 T	1650 T
C206	LW2-C206-B	160	1100	100	660	860	240	3500	6620 T	110	840	980	1000	370		760	950	3000	680	2500	11200 T	17800 T
C206	LW2-C206-C	0.76 J	2 J	0.36 J	0.65 J	1.1 J	0.43 U	4.6	9.47 JT	0.32 U	1.1 J	0.78 J	0.89 J	0.41 U		0.76 J	1 J	3.4	0.59 J	3.9	12.4 JT	21.9 JT
C207-1	LW2-C207-B	270	1500	220	660	590	440	3300	6980 T	230	960	1500	730	1100		1400	1300	2700	1400	3300	14600 T	21600 T
C207-2	LW2-C207-B-2	230 T	2100 T	350 T	1300 T	1300 T	580 T	7500 T	13400 T	255 T	1650 T	2350 T	1450 T	1500 T		2050 T	2300 T	5550 T	2050 T	6250 T	25400 T	38800 T
C207-1	LW2-C207-C	110	550	31	140	260	390	1300	2780 T	7.1	70	70	51	40		69	110	400	55	450	1320 T	4100 T
C207-2	LW2-C207-C2	40.5 T	43 T	63.5 T	72 T	59 T	195 T	395 T	868 T	16.5 T	125 T	170 T	120 T	88.5 T		190 T	180 T	455 T	145 T	530 T	2020 T	2890 T
C207-1	LW2-C207-D	42	33	68	63	51	200	350	807 T	11	87	110	78	64		130	130	330	96	400	1440 T	2240 T
C210	LW2-C210-B	2.7	12	1.5 J	3.5	3.5	4.8	29	57 JT	2 J	11	20	17	5.5		23	16	32	20	45	192 JT	249 JT
C210	LW2-C210-C	0.6 J	1.3 J	0.31 U	0.31 U	0.49 J	17	1.3 J	20.7 JT	0.37 U	0.23 U	0.31 U	0.67 U	0.46 U		0.42 J	0.57 U	0.48 U	0.38 J	0.51 J	1.31 JT	22 JT
C213	LW2-C213-B	1.8 J	1.3 J	1.5 J	1.6 J	0.9 J	0.44 U	6.1	13.2 JT	0.96 J	4.9	11	9.6	3.1		14	6.6	6.7	10	19	85.9 JT	99.1 JT
C213	LW2-C213-C	9.4	6.8	14	34	9.8	59	120	253 T	16	100	200	170	49		220	130	170	170	440	1670 T	1920 T
C213	LW2-C213-D	0.57 J	0.25 J	0.63 J	0.92 J	0.35 J	0.47 U	4	6.72 JT	0.48 J	2.8	4.8	5.4	1.8 J		8.3	3.6	5.9	5.8	10	48.9 JT	55.6 JT
C215	LW2-C215-B	1.7 U	1.8 J	1.3 J	2.2 J	1.2 U	3.8	12	21.1 JT	0.68 U	5.6	6.6	5.8	4.9		7	7.9	16	5.2	27	86 T	107 JT
C215	LW2-C215-C	4.4	0.69 J	0.29 U	0.37 J	0.36 J	100	2.2 U	106 JT	0.34 U	0.52 U	0.41 U	0.62 U	0.43 U		0.4 U	0.53 U	1.5 U	0.31 U	1.5 U	1.5 UT	106 JT
C220	LW2-C220-B	9.8	1100	320	950	870	50	3100	6400 T	180	1700	1900	1300	1000		1600	2300	6400	1400	8500	26300 T	32700 T
C220	LW2-C220-C	4.3	48	100	190	32	18	280	672 T	86	460	820	520	420		780	640	830	680	1100	6340 T	7010 T
C221	LW2-C221-B	370	6000	950	5900	3700	210	26000	43100 T	410	4900	5800	3800	3400		4700	6500	19000	3800	22000	74300 T	117000 T
C221	LW2-C221-C	28	1700	300	1800	1200	89	8300	13400 T	170	1800	2300	1400	1200		1900	2300	6600	1600	7300	26600 T	40000 T
C227	LW2-C227-B	15	230	19	84	210	36	770	1360 T	50	280	370	310	230		310	380	720	300	710	3660 T	5020 T
C227	LW2-C227-C	14	150	26	96	110	41	570	1010 T	71	390	520	400	330		440	500	980	400	1000	5030 T	6040 T
C228	LW2-C228-B	160	1700	280	1900	1300	500	12000	17800 T	340	3100	4400	3800	1300		3700	4000	10000	3000	14000	47600 T	65500 T
C231	LW2-C231-B	360	4600	440	5300	3300	620	27000	41600 T	550	4600	6500	5700	2200		5600	6500	18000	4300	23000	77000 T	119000 T
C231	LW2-C231-C	48	270	68	400	200	170	2700	3860 T	100	880	1200	1100	370		1100	1200	3300	840	4100	14200 T	18000 T
C232	LW2-C232-B	21 J	10 J	2.5 J	3.4 J	4.5 J	210 J	26 J	277 JT	0.33 UJ	4 J	4.9 J	6 J	0.41 UJ		3.1 J	6.8 J	14 J	1.8 J	20 J	60.6 JT	338 JT
C232	LW2-C232-C	13 J	8.9 J	2.9 J	17 J	8.8 J	100 J	83 J	234 JT	1.3 J	13 J	17 J	23 J	0.44 UJ		11 J	21 J	50 J	10 J	64 J	210 JT	444 JT
C240	LW2-C240-B	56	280	130	210	230	140	1200	2250 T	120	720	1100	790	730		1200	1100	1700	900	1700	10100 T	12300 T
C240	LW2-C240-D	580	4300	610	6600	3700	1800	30000	47600 T	750	6300	9300	5900	4900		9100	8400	26000	6800	33000	110000 T	158000 T
C240	LW2-C240-E	260	1500	490	1100	880	1500	7980	13500 T	470	3100	5700	3600	2700		5900	4400	9800	4700	13000	53400 T	66900 T
C244	LW2-C244-B	34	40	32	82	39	61	290	578 T	37	250	360	330	200		320	340	540	300	510	3190 T	3770 T
C244	LW2-C244-C	590	340	45	200	330	840	860	3210 T	28	260	270	280	160		230	340	970	210	780	3530 T	6730 T
C245	LW2-C245-B	180	2900	510	2700	2100	420	10000	18800 T	540	4200	5600	5200	1800		4600	5100	12000	4100	15000	58100 T	77000 T
C245	LW2-C245-C	15	54	15	43	23	65	200	415 T	18	110	210	180	55		250	140	520	180	630	2290 T	2710 T
C245	LW2-C245-D	26	68	39	120	62	140	480	935 T	37	350	510	450	150		500	450	1300	400	1700	5850 T	6780 T
C245	LW2-C245-E	6.9	16	11	31	11	34	160	270 T	14	86	160	140	42		190	120	360	140	440	1690 T	1960 T
C245	LW2-C245-F	0.47 U	0.22 U	0.3 U	0.3 U	0.26 U	2.8 U	0.47 J	0.47 JT	0.36 U	0.22 U	0.3 U	0.66 U	0.45 U		0.32 U	0.56 U	0.47 U	0.33 U	0.49 U	0.66 UT	0.47 JT
C247	LW2-C247-B	11	1.6 J	0.31 U	0.91 J	1.6 J	32	4.3	51.4 JT	0.37 U	1 J	0.88 J	0.68 U	0.47 U		0.68 J	0.93 J	4.6	0.56 J	4.9	13.6 JT	65 JT
C247	LW2-C247-C	0.59 J	0.23 U	0.32 U	0.32 U	0.28 U	5 U	0.99 J	1.58 JT	0.38 U	0.45 J	0.32 U	0.69 U	0.48 U		0.33 U	0.59 U	1.1 J	0.35 U	1.1 J	2.65 JT	4.23 JT
C247	LW2-C247-D	0.5 J	0.23 U	0.31 U	0.31 U	0.27 U	4.6 U	0.47 U	0.5 JT	0.37 U	0.23 U	0.31 U	0.68 U	0.47 U		0.33 U	0.58 U	0.48 J	0.34 U	0.51 U	0.48 JT	0.98 JT
C252	LW2-C252-B	29	630	240 J	480 J	310 J	86	1700	3480 JT	150	1100	1600	920	920		1300	1500	2500	1100	3100	14200 T	17700 JT
C252	LW2-C252-C	17	420	98	270	180	45	980	2010 T	56	380	530	360	290		500	490	950	410	1200	5170 T	7180 T
C252	LW2-C252-D	16	690	58	150	230	63	760	1967 T	81	480	750	480	380		660	570	950	610	1200	6161 T	8128 T
C254	LW2-C254-B	58	68	24	67	52	230	190	689 T	49	210	320	290	170		320	260	490	300	450	2860 T	3550 T
C254	LW2-C254-C	1.3 J	0.76 J	0.82 J	1.4 J	0.67 J	5.1 U	3.7	8.65 JT	0.97 J	4.2	6.6	6.3	3.4		6.3	5.7	8.6	5.3	11	58.4 JT	67 JT

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Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C255	LW2-C255-B	0.76 U	0.42 U	0.29 U	0.41 J	0.4 U	2.7 U	1.5 J	1.91 JT	0.34 U	0.96 J	0.96 J	1 J	0.48 J		0.9 J	1.1 J	1.3 J	0.76 J	1.3 J	8.76 JT	10.7 JT
C255	LW2-C255-C	0.55 U	0.21 U	0.29 U	0.29 U	0.25 U	1.7 U	0.43 U	1.7 UT	0.34 U	0.21 U	0.29 U	0.62 U	0.43 U		0.3 U	0.53 U	0.44 U	0.31 U	0.46 U	0.62 UT	1.7 UT
C257	LW2-C257-B	340	680	70	420	480	720	2000	4710 T	140	970	1100	1200	410		840	1200	2900	780	2600	12100 T	16900 T
C258	LW2-C258-B	97	3500	3600	5200	1800	360	1800	16400 T	2200	17000	25000	15000	15000		20000	23000	56000	18000	59000	250000 T	267000 T
C258	LW2-C258-C	340	18000	2900	12000	11000	860	41000	86100 T	1700	13000	19000	12000	11000		17000	17000	50000	15000	52000	206000 T	294000 T
C258	LW2-C258-D	25	3200	590	2300	1800	120	2700	10735 T	350	2900	4000	2400	1800		3500	3400	11000	3200	14000	46550 T	57285 T
C260	LW2-C260-B	34	53	25	35	22	120	310	599 T	28	120	190	170	99		220	170	300	180	360	1840 T	2440 T
C260	LW2-C260-C	8.9	12	15	14	6.1	29	77	162 T	11	59	90	61	57		96	81	130	82	170	837 T	999 T
C263	LW2-C263-B	4400	7300	940	8900	5300	21000	68000	116000 T	1800	10000	10000	10000	8800		14000	15000	42000	11000	48000	171000 T	286000 T
C263	LW2-C263-D	30000	37000	1700	36000	22000	7900	90000	225000 T	2400	26000	30000	17000	18000		22000	34000	55000	20000	65000	289000 T	514000 T
C264	LW2-C264-B	34000	42000	3200	43000	27000	160000	190000	499000 T	13000	95000	110000	72000	58000		75000	120000	180000	70000	220000	1010000 T	1510000 T
C264	LW2-C264-C	540	8800	160 J	15000	4600	610	51000	80700 JT	6100	41000	54000	46000	33000		34000	44000	96000	37000	96000	487000 T	568000 JT
C264	LW2-C264-D	3.6	32	4.8	11	13	40	210 J	314.4 JT	6.1	38	76	44	36		87	54	170	66	260	837.1 T	1151.5 JT
C266	LW2-C266-B	0.4 J	0.19 U	0.26 U	0.26 U	0.23 U	1 U	0.41 J	0.81 JT	0.31 U	0.56 J	0.51 J	0.56 U	0.39 U		0.59 J	0.51 J	0.57 J	0.48 J	0.69 J	3.91 JT	4.72 JT
C266	LW2-C266-C	0.41 U	0.19 U	0.27 U	0.27 U	0.23 U	0.97 U	0.4 U	0.97 UT	0.31 U	0.19 U	0.27 U	0.57 U	0.4 U		0.28 U	0.49 U	0.41 U	0.29 U	0.43 U	0.57 UT	0.97 UT
C267	LW2-C267-B	120	220	17	78	70	300	430	1240 T	16	110	110	99	71		100	130	370	93	380	1400 T	2630 T
C267	LW2-C267-C	1.9 J	4.4	0.69 J	1.4 J	1.2 J	6.7	5.9	22.2 JT	0.54 J	2.8	3.2	2.2 J	2.4 J		4.6	3.4	8.2	3.4	10	40.7 JT	62.9 JT
C268	LW2-C268-B	0.66 J	0.19 J	0.24 U	0.24 U	0.21 U	2.3 U	0.6 J	1.45 JT	0.29 U	0.22 U	0.34 J	0.53 U	0.36 U		0.37 J	0.45 U	0.6 U	0.29 J	0.58 U	1 JT	2.45 JT
C268	LW2-C268-C	0.54 J	0.18 U	0.25 U	0.25 U	0.21 U	2 U	0.37 U	0.54 JT	0.29 U	0.18 U	0.25 U	0.53 U	0.37 U		0.26 U	0.46 U	0.38 U	0.27 U	0.4 U	0.53 UT	0.54 JT
C269	LW2-C269-B	1500	2100	270	2100	1400	450	11000	18800 T	560	3200	4800	4000	1300		4200	4500	8300	5400	9700	44000 T	62800 T
C269	LW2-C269-C	7800	8900	370	7500	5000	920	33000	63500 T	390	3900	4300	3800	1300		3500	5000	16000	3800	19000	60200 T	124000 T
C269	LW2-C269-F	2900	11000	570	12000	5900	2200	64000	98600 T	1200	10000	16000	14000	4400		14000	13000	46000	12000	56000	187000 T	285000 T
C270	LW2-C270-B	1600	20000	2500	21000	13000	3200	94000	155000 T	4100	32000	41000	27000	26000		34000	40000	88000	29000	110000	431000 T	586000 T
C270	LW2-C270-C	900	14000	1100	10000	8100	1600	54000	89700 T	1600	13000	18000	13000	10000		16000	17000	44000	13000	54000	200000 T	289000 T
C270	LW2-C270-D	9.4	430	54	230	250	46	1600	2619.4 T	47	350	580	340	280		540	490	1100	460	1500	5687 T	8306.4 T
C272	LW2-C272-B	0.51 J	0.27 J	2.1 J	18	2.9	1 J	2.4 J	27.2 JT	0.62 J	6.4	7	4.9	5.5		4.9	9.1	18	3.6	27	87 JT	114 JT
C272	LW2-C272-C	3.3	1.2 J	26	15	1.2 J	12	3.6	62.3 JT	11	110	150	86	95		110	150	120	91	200	1120 T	1190 JT
C273	LW2-C273-B	26000	80000	6600	95000	43000	31000	490000	772000 T	8700	95000	140000	130000	39000		120000	130000	430000	97000	550000	1740000 T	2510000 T
C273	LW2-C273-C	13000	46000	3200	31000	15000	52000	150000	310000 T	3000	31000	49000	42000	13000		47000	39000	130000	36000	170000	560000 T	870000 T
C273	LW2-C273-D	220	3900	290	5300	2100	840	24000	36650 T	540	5000	9000	5100	4600		9600	7200	25000	7000	32000	105040 T	141690 T
C276	LW2-C276-B	8000	14000	1500	8300	7300	2800	42000	83900 T	1500	11000	14000	9500	7900		13000	13000	32000	11000	40000	153000 T	237000 T
C276	LW2-C276-C	570000	360000	260000	320000	300000	4000000	1900000	7710000 T	21000	210000	260000	180000	150000		200000	310000	840000	170000	970000	3310000 T	11000000 T
C276	LW2-C276-D	80	250	51	110	130	580	640	1841 T	12	94	140	80	73		120	130	350	100	420	1519 T	3360 T
C277	LW2-C277-B	27	85	8.1	35	58	41	120	374 T	8.6	50	42	53	36		41	74	140	36	110	591 T	965 T
C277	LW2-C277-C	850	1100	22	390	950	120	2100	5530 T	8.7	230	76	130	44		36	260	1300	31	910	3030 T	8560 T
C277	LW2-C277-D	850	830	38	250	610	430	1700	4710 T	29	230	170	140	130		140	260	1000	130	810	3040 T	7750 T
C278	LW2-C278-B	9600	16000	1900	9900	8200	15000	50000	111000 T	1500	11000	17000	14000	4700		14000	13000	34000	13000	44000	166000 T	277000 T
C278	LW2-C278-C	50000	77000	3500	37000	31000	56000	160000	415000 T	2800	26000	33000	27000	9100		25000	29000	79000	25000	110000	366000 T	780000 T
C278	LW2-C278-D	8.1	35	5.5	22	17	13	120	221 T	4.7	24	34	29	9.6		33	27	71	34	90	356 T	577 T
C280	LW2-C280-B	45	100	28	67	83	110	570	1000 T	18	130	150	170	55		140	160	500	120	470	1910 T	2920 T
C280	LW2-C280-C	160	170	74	240	150	210	840	1840 T	45	380	350	390	130		220	360	930	210	740	3760 T	5600 T
C280	LW2-C280-D	62	82	47	120	46	180	330	867 T	48	330	350	330	110		170	340	680	190	570	3120 T	3990 T
C282	LW2-C282-B	1.9	1.5 J	2.8	1.6	1.4 J	13 U	8.1	17.3 JT	0.72 J	4	6	6.2	2.2		7	5.1	10	5	14	60.2 JT	77.5 JT
C282	LW2-C282-C	0.54 J	0.2 U	0.28 U	0.52 J	0.24 U	4.6 U	2.2	3.26 JT	0.33 U	0.84 J	1.1 J	0.88 J	0.41 U		0.81 J	0.82 J	2.5	0.62 J	2.8	10.4 JT	13.6 JT
C282	LW2-C282-D	0.44 U	0.21 U	0.29 U	0.29 U	0.25 U	4.4 U	0.43 U	4.4 UT	0.34 U	0.21 U	0.29 U	0.62 U	0.43 U		0.3 U	0.53 U	0.44 U	0.31 U	0.47 U	0.62 UT	4.4 UT
C283	LW2-C283-B	97000 J	98000 J	4300 J	51000 J	52000 J	510000	260000 J	1070000 JT	3200 J	30000 J	31000 J	28000 J	13000 J		25000 J	34000 J	130000 J	22000 J	160000 J	476000 JT	1550000 JT
C283	LW2-C283-C	21000 J	34000 J	1800 J	23000 J	15000 J	400000	150000 J	645000 JT	2300 J	19000 J	25000 J	21000 J	9400 J		23000 J	22000 J	80000 J	19000 J	110000 J	331000 JT	976000 JT
C283	LW2-C283-E	14 J	7.7 J	5.3 J	17 J	4.7 J	83 J	29 J	161 JT	4 J	33 J	26 J	27 J	15 J		13 J	31 J	43 J	12 J	60 J	264 JT	425 JT
C284	LW2-C284-B	35000	40000	4900	28000	28000	44000	150000	330000 T	1900	21000	22000	15000	13000		19000	26000	75000	15000	95000	303000 T	633000 T
C284	LW2-C284-C	560000	600000	91000	370000	320000	4400000	2100000	8440000 T	30000	280000	340000	230000	190000		280000	390000	1100000	240000	1300000	4380000 T	12800000 T
C284	LW2-C284-D	780	2900	680	2500	1900	21000	17000	46800 T	250	2300	3000	1900	1800		2600	2600	10000	2100	12000	38600 T	85300 T
C284	LW2-C284-E	3.4	15	0.75 J	2.1	2.1	47 J	12	35.35 JT	0.41 U	2.9	3.4	2.2	1.8 J		2.7	3.5	8.7	1.8 J	12	39 JT	74.35 JT
C288	LW2-C288-B	26000	76000	4900	67000	36000	48000	370000	628000 T	5400	56000	76000	69000	22000		55000	71000	260000	49000	300000	963000 T	1590000 T
C288	LW2-C288-C	6300	28000	2100	23000	12000	3000	120000	194000 T	2200	21000	29000	26000	8500		23000	26000	83000	20000	100000	339000 T	533000 T
C288	LW2-C288-D	1100	12000	1200	13000	5000	2400	62000	96700 T	1500	14000	23000	19000	6100		22000	17000	56000	17000	74000	250000 T	346000 T
C289	LW2-C289-B	33000	27000	3000	28000	20000	17000	130000	258000 T	2100	21000	21000	17000	5600		14000	23000	68000	14000	81000	267000 T	525000 T
C289	LW2-C289-C	14000	35000	2700	22000	17000	1200	100000	192000 T	1900	17000	21000	17000	5300		16000	19000	60000	15000	72000	244000 T	436000 T
C289	LW2-C289-E	1.2 J	1.2 J	1.2 J	3.4	1.5 J	0.47 UJ	19	27.5 JT	0.94 J	5.8	6.6	5.3	2.2 J		5.7	6.9	17	5.6	22	77.8 JT	105 JT
C290	LW2-C290-B	11	98	2.5 J	19	37	16	170	354 JT	1.3 J	16	11	12	6.4		9.9	18	75	8.1	53	211 JT	564 JT
C290	LW2-C290-C	0.61 J	0.96 J	0.31 U	0.44 J	0.45 J	2.2 U	2.2 J	4.66 JT	0.36 U	0.75 U	0.59 J	0.67 U	0.46 U		0.43 J	0.72 J	1.6 U	0.44 J	1.6 U	2.18 JT	6.84 JT
C291	LW2-C291-B	7.2	9.6	4.9	14	7.6	22 U	33	76.3 T	4.6	26	29	41	14		26	33	57	21	60	312 T	388 T
C291	LW2-C291-C	500	380	9.6	120	260	40	830	2140 T	9.1	95	51	81	45		37	120	450	36	290	1210 T	3350 T
C293-1	LW2-C293-B	8700	6000	45	2000	4500	250	9400	30900 T	35	730	250	460	170		100	780	4500	110	3100	10200 T	41100 T
C293-2	LW2-C293-B-2	7400	9300	130	2300	6400	980	16000	42500 T	54	1100	380	440	350		250	1100	8100	230	4800	16800 T	59300 T
C293-1	LW2-C293-C	11000	5900	63	840	3500	1900	7200	30400 T	50	500	390	360	220		370	560	3100	320	2400	8270 T	38700 T
C293-2	LW2-C293-C2	29	37	42	33	25	120	150	436 T	10	73	110	100	34		110	110	230	86	290	1150 T	1590 T
C293-1	LW2-C293-D	55	59	48	56	59	180	350	807 T	30	170	190	170	99		170	190	360	150	300	1830 T	2640 T
C293-2	LW2-C293-D-2	4.7	27	16	68	17	19	130	281.7 T	4.8	68	73	33	44		40	78	140	37	200	717.8 T	999.5 T
C294	LW2-C294-B	550000	530000	21000	280000	230000	2200000	1400000	5210000 T	27000	200000	260000	200000	64000		190000	220000	800000	190000	960000	3110000 T	8320000 T
C294	LW2-C294-C	6300	24000	1400	22000	12000	64000 J	93000	223000 JT	2000	18000	24000	20000	6500		18000	22000	72000	18000	86000	287000 T	509800 JT
C294	LW2-C294-D	130	590	97	450	220	600	2400	4490 T	150 J	800	1400	1100	360		1500	990	2900	1300	3800	14300 JT	18800 JT
C295	LW2-C295-B	33	160	12	57	120	65	330	777 T	15	110	75	130	42		52	160	410	56	310	1360 T	2140 T
C295	LW2-C295-C	800	2600	280	1300	2000	1700	7700	16400 T	240	1800	1500	1500	470		1300	2100	6700	1200	6300	23100 T	39500 T
C296	LW2-C296-B	120	130	51	86	100	470	420	1380 T	28	210	230	200	140		250	280	630	220	770	2960 T	4340 T
C296	LW2-C296-C	16	12	22	17	16	65	95	243 T	7	53	65	45	40		71	62	140	60	170	713 T	956 T
C299	LW2-C299-B	160000	130000	6000	46000	53000	1100000	300000	1800000 T	3600	35000	44000	25000	26000		36000	43000	130000	29000	160000	532000 T	2330000 T
C299	LW2-C299-C	230000	240000	13000	99000	100000	1300000	590000	2570000 T	6700	66000	85000	50000	54000		72000	86000	260000	59000	360000	1100000 T	3670000 T
C300-2	LW2-C300-B	3.3 U	12	8.9	11	7.6	0.65 U	100	140 T	7.9	42	63	61	21		53	54	100	44	120	566 T	705 T
C300-2	LW2-C300-C	13	140	34	49	68	32	740	1080 T	24	170	220	210	69		210	240	640	170	730	2680 T	3760 T
C300-2	LW2-C300-D	36	470	95	360	340	110	3200	4610 T	52	510	580	510	170		420	610	1700	360	2100	7010 T	11600 T
C301	LW2-C301-B	620000 J	700000 J	24000 J	260000 J	250000 J	1700000 J	1300000 J	4850000 JT	15000 J	150000 J	150000 J	150000 J	51000 J		95000 J	170000 J	700000 J	93000 J	840000 J	2390000 JT	7250000 JT
C301	LW2-C301-C	1800000 J	2600000 J	240000 J	1100000 J	1300000 J	18000000	5400000 J	30400000 JT	66000 J	600000 J	690000 J	590000 J	240000 J		500000 J	690000 J	2900000 J	490000 J	3600000 J	10400000 JT	40800000 JT
C301	LW2-C301-D	750000 J	230000 J	430000 J	310000 J	270000 J	3800000 J	1900000 J	7690000 JT	24000 J	180000 J	220000 J	170000 J	86000 J		140000 J	240000 J	790000 J	120000 J	970000 J	2940000 JT	10600000 JT
C301	LW2-C301-E	1200000 J	260000 J	1500000 J	730000 J	730000 J	11000000	3900000 J	19300000 JT	37000 J	440000 J	470000 J	440000 J	180000 J		280000 J	490000 J	1800000 J	280000 J	2200000 J	6620000 JT	25900000 JT
C301	LW2-C301-G	58000 J	66000 J	56000 J	56000 J	52000 J	1000000	460000 J	1750000 JT	4300 J	46000 J	71000 J	60000 J	18000 J		55000 J	59000 J	250000 J	49000 J	320000 J	932000 JT	2680000 JT
C302	LW2-C302-B	48000 J	52000 J	4300 J	41000 J	33000 J	47000 J	220000 J	445000 JT	3000 J	29000 J	28000 J	17000 J	17000 J		21000 J	38000 J	93000 J	18000 J	120000 J	384000 JT	829000 JT
C302	LW2-C302-C	3800000	3900000	940000	1300000	1500000	20000000	8500000	39900000 T	67000	760000	940000	580000	540000		730000	980000	3500000	610000	4700000	13400000 T	53300000 T
C302	LW2-C302-D	1400000	1800000	530000	640000	740000	9200000	4100000	18410000 T	24000	310000	370000	230000	220000		290000	430000	1700000	270000	2000000	5844000 T	24254000 T
C303	LW2-C303-B	120	270	85	170	110	380	1000	2140 T	92	660	680	470	430		430	800	1400	440	1500	6900 T	9040 T
C303	LW2-C303-C	8	2.7	3	7.8	3.8	12	20	57.3 T	3.2	37	34	18	24		14	38	44	16	59	287 T	345 T
C305-1	LW2-C305-B-1	13000	21000	2600	19000	13000	1100	92000	162000 T	1300	13000	14000	11000	3900		9900	16000	41000	9500	54000	174000 T	335000 T
C305-2	LW2-C305-B-2	59000	47000	4600	40000	27000	47000 J	170000	395000 JT	2100	24000	22000	17000	5800		13000	26000	75000	14000	90000	289000 T	684000 JT
C305-1	LW2-C305-C1	120	1000	190	870	650	180	4300	7310 T	120 J	880	1100 J	850 J	290 J		890 J	1000	2800	870 J	3800	12600 JT	19900 JT
C305-2	LW2-C305-C2	30000	32000	3200	24000	17000	49000	98000	253000 T	1600	16000	17000	14000	4700		12000	19000	53000	12000	66000	215000 T	469000 T
C305-1	LW2-C305-D1	74	540	49	500	360	200	3800	5520 T	90 J	740	930 J	780 J	260 J		840 J	850	2900	810 J	3600	11800 JT	17300 JT

BZTO104(e)028840

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C305-2	LW2-C305-D-2	16	66	43	88	50	29	330	622 T	36	250 J	300 J	230 J	75 J		240 J	290 J	430 J	250 J	570 J	2670 JT	3290 JT
C311	LW2-C311-B	1100 J	8200 J	1200 J	11000 J	6000 J	410 J	62000 J	89900 JT	1100 J	10000 J	12000 J	10000 J	4600 J		11000 J	11000 J	36000 J	8700 J	50000 J	154000 JT	244000 JT
C311	LW2-C311-C	120 J	500 J	92 J	880 J	400 J	190 J	6800 J	8980 JT	180 J	1400 J	2100 J	1900 J	580 J		1800 J	1900 J	5600 J	1700 J	6300 J	23500 JT	32400 JT
C311	LW2-C311-E	48 J	110 J	63 J	170 J	67 J	290 J	1100 J	1850 JT	98 J	740 J	1300 J	1000 J	300 J		1400 J	860 J	2200 J	1000 J	3000 J	11900 JT	13700 JT
C312	LW2-C312-B	46	280	53	160	240	71	2100	2950 T	45	490	540	310	320		400	610	1600	370	2000	6690 T	9640 T
C312	LW2-C312-C	1.7 J	0.66 J	0.34 J	0.67 J	1.4 J	12	3.6	20.4 JT	0.33 U	1.8 J	2.7	1.6 J	1.7 J		2.2 J	2.1 J	3.9	1.7 J	5.4	23.1 JT	43.5 JT
C313	LW2-C313-B	1 J	30	4.3	13	17	3.3	120	189 JT	2.4	16	23	16	13		24	22	57	19	61	253 T	442 JT
C313	LW2-C313-C	0.49 U	0.79 J	0.32 U	0.87 J	0.53 J	0.5 U	2.9	5.09 JT	0.37 U	0.92 J	1.1 J	0.73 J	0.62 J		1.1 J	1.2 J	2.2 J	0.88 J	2.2 J	11 JT	16 JT
C314	LW2-C314-B	74	800	61	220	630	170	2700	4660 T	79	510	630	490	330		550	740	2000	480	1800	7610 T	12300 T
C314	LW2-C314-C	190	1300	150	1100	940	270	7600	11600 T	180	1300	1600	1000	1000		1400	1900	5600	1100	6000	21100 T	32600 T
C314	LW2-C314-D	18	48	16	130	39	55	640	946 T	41	340	560	280	300		490	450	900	430	1200	4991 T	5937 T
C316	LW2-C316-B	46000	60000	360	110000	60000	16000	160000	452000 T	300	8100	3100	3200	3200		1200	8700	48000	1300	40000	117000 T	569000 T
C316	LW2-C316-C	200	2700	700	3600	2500	400	20000	30100 T	810	7200	7100	5000	4300		5600	10000	21000	4900	25000	90900 T	121000 T
C316	LW2-C316-D	15000	27000	1500	21000	18000	1600	120000	204000 T	2700	21000	27000	16000	16000		23000	26000	74000	21000	90000	317000 T	521000 T
C321	LW2-C321-B-1	30	70	7.1	25	16	61	110	319 T	7.1	82	64	57	48		40	97	140	39	180	754 T	1070 T
C321-2	LW2-C321-B-2	46.5 T	840 T	14 T	55 T	330 T	66.5 T	570 T	1920 T	9 T	119 T	89.5 T	63.5 T	57.5 T		61 T	132 T	255 T	48.5 T	320 T	1160 T	3080 T
C321	LW2-C321-C1	0.47 U	0.23 U	0.31 U	0.31 U	0.27 U	0.49 U	1.1 J	1.1 JT	0.36 U	0.44 J	0.45 J	0.67 U	0.46 U		0.39 J	0.57 U	1.1 J	0.38 J	1.6 J	4.36 JT	5.46 JT
C321-2	LW2-C321-C2	11	310	7 J	420	450	7.1 U	1800	3000 JT	8.2 J	330	130	150	140		26	370	1400	34	1500	4090 JT	7090 JT
C321-2	LW2-C321-E2	0.48 U	0.21 U	0.28 U	0.28 U	0.25 U	0.45 U	0.72 J	0.72 JT	0.33 U	0.54 J	0.28 U	0.61 U	0.42 U		0.53 J	0.53 U	0.73 J	0.31 U	0.7 J	2.5 JT	3.22 JT
C323	LW2-C323-B	51	140	27	59	78	92	410	857 T	24	160	190	150	110		150	190	460	140	430	2000 T	2860 T
C323	LW2-C323-C	7.6	48	4.9	8	25	14	58	166 T	2.4 J	14	18	12	13		14	21	40	12	40	186 JT	352 JT
C323	LW2-C323-D	13	54	6	56	51	31	210	421 T	4.9	44	43	33	29		39	66	130	33	170	592 T	1010 T
C324	LW2-C324-B	28	55	8.7	14	20	19	70	215 T	5.5	33	45	30	31		39	41	85	34	85	429 T	643 T
C324	LW2-C324-D	17	69	16	33	22	44	280	481 T	23	150	210	130	130		190	190	440	170	450	2080 T	2560 T
C324	LW2-C324-E	110	760	83	610	490	270	3000	5320 T	130	910	1300	920	600		1200	1200	2700	950	3000	12900 T	18200 T
C326	LW2-C326-B	28	85	32	66	42	28	250	531 T	25	160	180	140	130		120	180	330	130	280	1680 T	2210 T
C326	LW2-C326-C	0.55 J	0.69 J	0.38 J	1.3 J	0.45 J	0.44 U	2 J	5.37 JT	0.4 J	3.7	4.4	4	3.7		1.9 J	4.8	3.8	1.8 J	14	42.5 JT	47.9 JT
C327	LW2-C327-B	39	320	12	410	110	84	770	1750 T	19	240	160	140	120		100	300	1200	100	780	3160 T	4900 T
C327	LW2-C327-C	31	150	12	36	47	48	310	634 T	10	78	79	61	57		64	110	280	59	240	1040 T	1670 T
C327	LW2-C327-D	7.5	310	13	130	24	41	770	1295.5 T	21	200	190	140	130		130	260	660	130	780	2641 T	3936.5 T
C329	LW2-C329-B	49	4000	17	1000	1900	25	7000	14000 T	25	590	260	270	190		97	820	4300	110	3200	9860 T	23900 T
C329	LW2-C329-C	6000	28000	180	12000	22000	960	69000	138000 T	360	7200	3200	3200	2800		1000	8800	36000	1300	28000	92000 T	230000 T
C329	LW2-C329-D	6800	20000	130	16000	27000	2300	92000	164000 T	270	5500	2400	2500	2100		660	13000	30000	860	21000	78300 T	243000 T
C331	LW2-C331-B	18 J	13 J	5.8 J	15 J	8.1 J	100 J	39 J	199 JT	6 J	29 J	45 J	51 J	22 J		43 J	40 J	54 J	36 J	460 J	786 JT	985 JT
C331	LW2-C331-C	7.7 J	41 J	4.6 J	10 J	4 J	62 J	17 J	146 JT	1.7 J	27 J	16 J	23 J	13 J		10 J	33 J	98 J	8.1 J	220 J	450 JT	596 JT
C331	LW2-C331-D	11 J	73 J	3.1 J	3 J	2.8 J	96 J	4.9 J	194 JT	0.37 UJ	2.4 UJ	2.3 J	3.7 J	0.47 UJ		0.84 J	3 J	4.2 J	0.94 J	9.4 J	24.4 JT	218 JT
C331	LW2-C331-E	1.8 J	0.66 J	0.37 J	0.33 UJ	0.41 J	0.52 U	1.1 J	4.34 JT	0.39 UJ	0.24 UJ	0.33 UJ	0.71 UJ	0.49 UJ		0.34 UJ	0.61 UJ	0.5 UJ	0.36 UJ	0.53 UJ	0.71 UJT	4.34 JT
C332	LW2-C332-B	36	50	22	49	47	64	300	568 T	12	93	130	85	72		140	120	340	110	340	1440 T	2010 T
C332	LW2-C332-C	0.44 U	0.21 U	0.29 U	0.29 U	0.25 U	0.72 J	1 J	1.72 JT	0.34 U	1.2 J	1.8	1.3 J	1.4 J		2.2	1.6 J	2.8	1.3 J	4	17.6 JT	19.3 JT
C333	LW2-C333-B	19	52	30	70	27	37	230	465 T	23	140	210	140	120		180	170	290	160	370	1800 T	2270 T
C333	LW2-C333-C	9.7	13	5.2	8.6	5.6	21	24	87.1 T	1.8	14	15	8.4	11		10	16	24	9.6	35	145 T	231 T
C333	LW2-C333-E	1.5 J	0.74 J	0.31 U	0.85 J	0.64 J	6.6	4.7	15 JT	0.37 U	0.39 J	0.86 J	0.67 U	0.55 J		0.73 J	1 J	3.3	0.58 J	3.3	11.3 JT	26.3 JT
C334	LW2-C334-B	40	88	23	60	74	80	270	635 T	27	230	280	180	160		220	310	540	190	760	2900 T	3530 T
C334	LW2-C334-C	1.9	1.7	1.4 J	2.2	1.7	5.1	8	22 JT	1.7	9.5	17	12	9.3		20	11	15	15	27	138 T	160 JT
C335	LW2-C335-B	7.4	11	17	34	11	20	52	152 T	20	110	140	120	92		130	170	180	120	210	1290 T	1440 T
C335	LW2-C335-C	15	92	36	75	32	95	470	815 T	43	270	650	450	240		900	360	1200	680	1800	6590 T	7410 T
C335	LW2-C335-E	5.9	13	20	47	10	20	100	215.9 T	11	120	130	60	78		62	140	160	63	250	1074 T	1289.9 T
C341	LW2-C341-B	3.2	4.3	2.9	5.3	3.4	9.2	19	47.3 T	4.1	18	27	24	18		29	25	37	24	43	249 T	296 T
C342	LW2-C342-B	18	30	11	32	38	46	180	355 T	10	50	52	54	46		51	72	180	48	150	713 T	1070 T
C342	LW2-C342-C	17	28	11	25	28	40	120	269 T	8.8	46	47	49	35		43	60	140	41	120	590 T	859 T
C342	LW2-C342-D	28	28	59	68	29	150	190	552 T	13	110	110	63	67		71	120	220	66	260	1100 T	1650 T
C342	LW2-C342-E	1.3 J	1 J	3.9	10	2.2	5.6 U	30	48.4 JT	1.6	23	22	9.5	14		9.8	27	39	9.2	58	213.1 T	261.5 JT
C346	LW2-C346-B	24	33	27	29	36	66	150	365 T	8.6	46	53	54	40		61	69	170	51	150	703 T	1070 T
C346	LW2-C346-C	28	28	45	32	25	150	150	458 T	8.1	50	68	51	30		95	78	220	64	200	864 T	1320 T
C346	LW2-C346-D	0.43 U	2.4	0.28 U	0.28 U	0.24 U	2.4 U	1.5 J	3.9 JT	0.33 U	0.49 J	0.37 J	0.6 U	0.42 U		0.59 J	0.52 U	1.3 J	0.35 J	1.5 J	4.6 JT	8.5 JT
C347	LW2-C347-B	17	21	15	41	28	45	140	307 T	16	85	83	110	71		72	140	270	71	210	1130 T	1440 T
C347	LW2-C347-C	41	720	36	140	450	110	950	2450 T	25	190	150	150	100		98	220	600	100	540	2170 T	4620 T
C347	LW2-C347-E	0.6 J	0.38 J	0.53 J	0.35 J	0.81 J	6.1 U	4.4	7.07 JT	0.37 U	0.81 J	0.6 J	0.67 U	0.46 U		0.73 J	1 J	2.8	0.46 J	4.8	11.3 JT	18.37 JT
C347	LW2-C347-F	0.46 U	0.22 U	0.3 U	0.3 U	0.26 U	1.6 U	0.75 J	0.75 JT	0.36 U	0.22 U	0.3 U	0.65 U	0.45 U		0.33 J	0.56 U	0.62 J	0.33 U	0.49 U	0.95 JT	1.7 JT
C348	LW2-C348-B	33	82	19	81	61	76	360	712 T	21 J	140	130	180	62		110	210	430	100 J	380	1760 JT	2480 JT
C348	LW2-C348-C	520	1400	75	440	930	550	3700	7620 T	69 J	550	570	580	170		550	700	2400	460 J	2400	8450 JT	16100 JT
C348	LW2-C348-D	7.2	8.3	20	26	8.6	0.5 U	70	140 T	14 J	81	120	100	37		97	87	130	88 J	210	964 JT	1100 JT
C349	LW2-C349-B	7.5	11	14	27	6.5	19	94	179 T	11	82	77	49	49		45	97	120	43	150	723 T	902 T
C349	LW2-C349-C	9.9	6.6	2.8	9	7	19	38	92.3 T	7.1	36	38	36	30		31	42	64	29	66	379 T	471 T
C351	LW2-C351-B	49	120	140	560	120	140	1000	2130 T	110 J	960	890	860	270		540	1000	1600	490 J	1900	8620 JT	10700 JT
C351	LW2-C351-C	2.9	13	21	85	15	11 U	210	347 T	13 J	130	110	86	32		46	130	200	46 J	260	1050 JT	1400 JT
C351	LW2-C351-D	0.45 J	0.21 U	0.41 J	0.64 J	0.25 U	4.7 U	1.8	3.3 JT	0.34 U	1.2 J	0.89 J	0.96 J	0.49 J		0.63 J	0.92 J	2.3	0.49 J	2.9	10.8 JT	14.1 JT
C351	LW2-C351-E	0.49 J	0.23 J	0.3 U	0.3 U	0.26 U	5.1 U	0.97 J	1.69 JT	0.35 U	0.4 J	0.3 U	0.65 U	0.45 U		0.31 U	0.55 U	1.3 J	0.33 U	1.2 J	2.9 JT	4.59 JT
C352	LW2-C352-B	2.3 J	2.7	1.9 J	4.6	2.8	5.4 U	15	29.3 JT	2.4 J	11	13	14	10		14	14	25	13	21	137 JT	167 JT
C352	LW2-C352-C	2.1 J	2.8	1.7 J	3.2	2.7	5.3 U	12	24.5 JT	1.3 J	6.1	6.7	7.4	5.7		7.3	8.7	16	6.4	15	80.6 JT	105 JT
C352	LW2-C352-D	1.8 J	3.9	1.4 J	2.4 J	1.6 J	4.6 U	13	24.1 JT	0.84 J	5.9	6.5	7.6	2.8		5.2	8	12	4.3	18	71.1 JT	95.2 JT
C356	LW2-C356-B	11 J	10 J	9.4 J	16 J	8.7 J	60 J	59 J	174 JT	8.9 J	49 J	52 J	68 J	34 J		45 J	59 J	100 J	43 J	120 J	579 JT	753 JT
C356	LW2-C356-C	40 J	110 J	27 J	170 J	110 J	170 J	190 J	817 JT	28 J	220 J	130 J	230 J	80 J		110 J	280 J	780 J	100 J	770 J	2730 JT	3550 JT
C356	LW2-C356-E	10 J	7.1 J	4 J	8.2 J	4.3 J	48 J	21 J	103 JT	2.7 J	27 J	21 J	23 J	10 J		13 J	26 J	40 J	12 J	63 J	238 JT	340 JT
C357	LW2-C357-B	4.7	6.2	3.6	6.6	6.8	13	33	73.9 T	2.6	14	19	15	14		21	18	43	18	47	212 T	286 T
C357	LW2-C357-C	9.1	4.5	2.5	3.4	3.8	22	16	61.3 T	1.2 J	5.7	7.2	6.4	5.4		8.7	7.4	15	7.2	18	82.2 JT	144 JT
C358	LW2-C358-B	17	5.2	3.1	13	5.9	7.7	43	94.9 T	4.9 U	45	45	38	29		30	55	53	25	79	399 T	494 T
C358	LW2-C358-C	19	4.2 U	3.3	5.9	3.9 U	9.6	21	58.8 T	2.9 U	23	26	23	21		23	33	37	20	45	251 T	310 T
C358	LW2-C358-D	4.2	2.8 U	2.8	2.7 U	2.9 U	5.3	13	25.3 T	2.3 U	21	24	18	19		16	30	30	17	38	213 T	238 T
C359	LW2-C359-B	6.9	6.3	3.6	8.9	7.4	12	35	80.1 T	4.8	22	24	33	16		25	34	53	22	44	278 T	358 T
C359	LW2-C359-C	40	19	11	25	23	30	100	248 T	9.2	70	54	65	43		47	96	120	39	100	643 T	891 T
C359	LW2-C359-D	250	35	31	44	55	100	430	945 T	21	150	140	150	79		130	240	250	110	350	1620 T	2570 T
C360	LW2-C360-B1	7	9.6	5	16	11	12	48	109 T	5.7	54	57	63	44		48	82	140	46	160	700 T	808 T
C360-2	LW2-C360-B2	5.2 T	9.35 T	5.1 T	15.5 T	9.05 T	12.5 T	45 T	102 T	10.2 T	54.5 T	65.5 T	85 T	51.5 T		54 T	80 T	120 T	54.5 T	145 T	720 T	822 T
C360	LW2-C360-C1	24	12	7.6	14	14	24	110	206 T	5.6	58	57	53	41		47	81	130	45	150	668 T	873 T
C360-2	LW2-C360-C2	12	4.4	5.5	11	6.6	14	50	104 T	5.5	38	45	51	35		35	58	63	36	77	444 T	547 T
C361	LW2-C361-B	7.9	7.6	3.1	7.3	8.3	14	31	79.2 T	3.2	16	18	19	15		20	23	42	17	47	220 T	299 T
C362	LW2-C362-B	7.2	13	5.3	14	13	12	70	135 T	6.8	41	40	55	17		33	58	85	29	86	451 T	585 T
C362	LW2-C362-C	73	7.7	2.6	5.4	7.3	13	41	150 T	1.7 J	12	11	12	4.1		8.9	19	53	6.4	55	183 JT	333 JT
C362	LW2-C362-D	40	6.8	3.3	5.9	7.6	12	50	126 T	1.9 J	14	11	15	5.2		8.3	31	61	6.1	53	207 JT	332 JT
C364	LW2-C364-B	24	35	29	70	27	74	260	519 T	16	160	160	170	56		110	170	450	96	460	1850 T	2370 T
C364	LW2-C364-C	55	91	100	150	50	200	630	1280 T	37	260	500	420	140		500	320	980	400	1100	4660 T	5930 T
C364	LW2-C364-D	21	39	37	54	26	110	240	527 T	9.1	100	150	77	85		130	130	310	110	430	1531.1 T	2058.1 T
C366-1	LW2-C366-B1	45.5 T	79.5 T	28 T	135 T	119 T	30 T	685 T	1120 T	22 T	245 T	135 T	180 T	59 T		64.5 T	325 T	995 T	56.5 T	795 T	2880 T	4000 T
C366-2	LW2-C366-B2	8.9	39	6.9	26	47	21 U	260	388 T	15	94	77	110	36		48	110	330	52	240	1110 T	1500 T

BZTO104(e)028841

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C366-1	LW2-C366-C1	240 T	54 T	15 T	38.5 T	72 T	68.5 T	475 T	963 T	19 T	110 T	86.5 T	93.5 T	30 T		52 T	200 T	305 T	44 T	310 T	1250 T	2210 T
C366-2	LW2-C366-C2	370	54	23	63	85	80	490	1170 T	22 J	200	130	180	62		68	290	390	54 J	360	1760 JT	2920 JT
C366-1	LW2-C366-D1	12.5 T	6.2 T	6 T	11.4 T	10.5 T	15 UT	74 T	121 T	7.65 T	39.5 T	39 T	40 T	13.8 T		26 T	49.5 T	82 T	24.5 T	99 T	421 T	542 T
C366-2	LW2-C366-D2	33	29	27	80	40	33	340	582 T	18 J	150	140	130	49		80	190	390	66 J	400	1610 JT	2200 JT
C366-1	LW2-C366-E1	7.65 T	7.35 T	9.35 T	18 T	6.15 T	19 UT	56 T	105 T	8.6 T	36.5 T	50 T	53.5 T	18 T		40 T	45 T	88.5 T	37 T	94.5 T	472 T	576 T
C366-2	LW2-C366-F2	2.5	0.51 J	2.4	4	0.82 J	15 U	6.6	16.8 JT	1.3 J	8.4	8.9	8.5	2.6		6.5	9.9	14	6.3	21	87.4 JT	104 JT
C366-1	LW2-C366-G1	0.585 JT	0.22 UT	0.39 JT	0.3 UT	0.26 UT	4.9 UT	0.745 JT	1.72 JT	0.4 JT	1.07 JT	1.08 JT	1.3 JT	0.45 UT		0.655 JT	1.6 JT	1.7 JT	0.725 JT	2.45 T	11 JT	12.7 JT
C368	LW2-C368-B	6.1	13	3.1	7.1	5.1	6.9 U	23	57.4 T	1.6 J	16	11	16	5.7		8.1	20	57	7.1	46	189 JT	246 JT
C368	LW2-C368-C	290	51	26	48	100	53	400	968 T	20	93	100	98	35		110	160	230	65	410	1320 T	2290 T
C368	LW2-C368-D	7	22	5.6	130	37	7 U	240	442 T	19	140	85	57	9.3		49	290	120	23	490	1280 T	1720 T
C368	LW2-C368-E	41	18	20	51	30	41 U	160	320 T	26	120	120	110	38		100	210	200	69	550	1540 T	1860 T
C371	LW2-C371-B	9.4	15	5.7	16	12	15 U	120	178 T	5.6	33	31	41	13		29	46	120	26	120	465 T	643 T
C371	LW2-C371-C	3.4	4.9	4.8	32	4	10 U	56	105 T	3.4	34	21	23	7.6		12	41	180	11	140	473 T	578 T
C371	LW2-C371-E	7	4.4	9.4	12	5.1	30	46	114 T	6.1	43	52	50	17		45	48	82	42	120	505 T	619 T
C372	LW2-C372-B	14	18	20	45	13	39	140	289 T	8.3	60	71	46	46		68	79	170	56	210	814 T	1100 T
C372	LW2-C372-C	18	20	13	27	16	61	140	295 T	5.5	41	47	40	26		45	61	150	37	170	623 T	918 T
C372	LW2-C372-E	28	17	36	33	22	90	120	346 T	7.2	56	83	53	52		83	78	170	63	210	855.2 T	1201.2 T
C373	LW2-C373-B	1.2 J	1.2 J	1.2 J	1.5 J	1 J	4 U	7.7	13.8 JT	1.6 J	5.7	8	8.2	6.9		9.2	9.4	16	7.8	14	86.8 JT	101 JT
C373	LW2-C373-C	4.9	9.6	6.1	11	8.9	20	52	113 T	8.9	37	43	48	29		40	47	82	39	68	442 T	554 T
C373	LW2-C373-D	2.9	8.3	2.7	9.2	8.3	13	52	96.4 T	6.5	37	43	41	36		35	50	80	33	83	444.5 T	540.9 T
C377	LW2-C377-B	2.7	2.9	3.8	6.2	2.6	10 U	26	44.2 T	4.3	21	27	33	11		28	31	51	26	53	285 T	330 T
C377	LW2-C377-C	17	8.7	5.4	5.4	14	13 U	60	111 T	5.2	22	25	33	10		26	36	56	22	74	309 T	420 T
C377	LW2-C377-D	92	58	23 U	100	140	44	530	964 T	8.8	110	78	58	40		59	200	220	44	340	1157.8 T	2121.8 T
C377	LW2-C377-E	98	240	77 U	160	480	170	1500	2650 T	44	300	260	250	75		220	490	620	170	1100	3530 T	6180 T
C379	LW2-C379-B	6.2	9.4	5.6	14	8.7	15 U	57	101 T	7.6	39	44	47	33		40	51	88	38	95	483 T	584 T
C379	LW2-C379-C	17	10	16	19	14	45	85	206 T	6.5	35	44	41	26		52	51	110	41	130	537 T	743 T
C379	LW2-C379-D	0.51 U	0.24 U	0.33 U	0.33 U	0.29 U	3.4 U	0.65 J	0.65 JT	0.39 U	0.41 J	0.33 U	0.72 U	0.5 U		0.35 U	0.62 U	0.77 J	0.36 U	0.74 J	1.92 JT	2.57 JT
C380	LW2-C380-B	0.58 U	0.27 U	0.41 J	0.37 J	0.32 U	5.3 U	1.9 J	2.68 JT	0.44 U	1.2 J	1.2 J	1.1 J	0.56 U		1.2 J	1.1 J	2.6	0.94 J	3.6	12.9 JT	15.6 JT
C380	LW2-C380-C	0.55 U	0.26 U	0.36 U	0.36 U	0.31 U	4.9 U	0.63 J	0.63 JT	0.42 U	0.49 J	0.36 U	0.78 U	0.54 U		0.37 U	0.66 U	0.86 J	0.39 U	0.99 J	2.34 JT	2.97 JT
C381	LW2-C381-B	2.6	2.5 J	1.4 J	3.2 U	2.3 J	0.58 U	5.3 J	14.1 JT	0.91 J	8.3	8.4	7.3	6		8	11	8.2 J	7	10 J	75.1 JT	89.2 JT
C381	LW2-C381-C	0.55 U	0.26 U	0.36 U	0.36 U	0.31 U	0.57 U	1.2 U	1.2 UT	0.42 U	0.28 U	0.36 U	0.78 U	0.54 U		0.37 U	0.66 U	1.1 U	0.39 U	1.5 U	1.5 UT	1.5 UT
C381	LW2-C381-E	0.5 U	0.24 U	0.32 U	0.33 U	0.28 U	0.51 U	1.6 U	1.6 UT	0.38 U	0.68 U	0.51 U	0.7 U	0.48 U		0.34 U	0.61 U	2 U	0.35 U	2 U	2 UT	2 UT
C382	LW2-C382-B	6.7	24	9.6	12	5.8	16	140	214 T	8.9	54	57	69	24		51	78	170	44	190	746 T	960 T
C382	LW2-C382-C	0.65 J	0.24 U	0.34 J	0.33 U	0.28 U	2.2 U	2 J	2.99 JT	0.39 U	0.74 J	0.43 J	0.72 J	0.49 U		0.43 J	0.61 U	1.4 J	0.36 U	1.7 J	5.42 JT	8.41 JT
C383	LW2-C383-B	13	7.4	4.8	7.6	6.6	13	110	162 T	3.8	20	27	31	9		28	32	100	22	140	413 T	575 T
C383	LW2-C383-C	0.52 U	0.25 U	0.34 U	0.34 U	0.29 U	1.8 U	1.2 J	1.2 JT	0.4 U	0.42 J	0.34 U	0.73 U	0.5 U		0.35 U	0.63 U	0.85 J	0.37 U	1.1 J	2.37 JT	3.57 JT
C384	LW2-C384-B	320	870	94	1200	1000	590	6300	10400 T	360	2000	1900	1800	1400		1400	2200	6400	1600	3800	22900 T	33200 T
C384	LW2-C384-C	3.3 U	7.6	2.7	15	8.6	6.4 U	90	124 T	11	75	64	76	57		46	93	150	48	150	770 T	894 T
C384	LW2-C384-F	0.48 J	0.22 U	0.3 U	0.3 U	0.26 U	2.4 U	0.45 U	0.48 JT	0.36 U	0.22 U	0.3 U	0.65 U	0.45 U		0.32 U	0.56 U	0.46 U	0.33 U	0.49 U	0.65 UT	0.48 JT
C386	LW2-C386-B	17	13	7.5	19	16	29	80	182 T	6.7	36	40	39	27		38	53	87	34	91	452 T	633 T
C386	LW2-C386-C	0.57 U	0.27 U	0.37 U	0.37 U	0.32 U	3.2 U	0.71 J	0.71 JT	0.44 U	0.27 U	0.37 U	0.8 U	0.55 U		0.39 U	0.69 U	0.57 U	0.4 U	0.68 J	0.68 JT	1.39 JT
C388	LW2-C388-B	0.51 U	0.24 U	0.33 U	0.33 U	0.29 U	3.6 U	0.5 U	3.6 UT	0.39 U	0.24 U	0.33 U	0.72 U	0.5 U		0.35 U	0.62 U	0.51 U	0.36 U	0.54 U	0.72 UT	3.6 UT
C388	LW2-C388-C	0.55 U	0.26 U	0.36 U	0.36 U	0.31 U	3.4 U	0.53 U	3.4 UT	0.42 U	0.26 U	0.36 U	0.77 U	0.53 U		0.37 U	0.66 U	0.55 U	0.39 U	0.58 U	0.77 UT	3.4 UT
C392	LW2-C392-B	32	130	28	190	140	48	1000	1570 T	89	510	540	690	250		340	550	1300	370	950	5590 T	7160 T
C392	LW2-C392-C	12	5	8.1	17	6.9	23	46	118 T	5	33	35	44	15		32	47	78	26	110	425 T	543 T
C393	LW2-C393-B	10	65	13	56	50	22	280	496 T	25	140	160	200	68		110	200	390	110	350	1750 T	2250 T
C393	LW2-C393-C	0.47 J	0.22 U	0.33 J	0.3 U	0.26 U	2 U	0.47 J	1.27 JT	0.35 U	0.49 J	0.3 U	0.64 U	0.44 U		0.31 U	0.55 U	0.59 J	0.32 U	0.84 J	1.92 JT	3.19 JT
C396	LW2-C396-B	0.85 J	0.47 J	0.33 U	0.33 U	0.29 U	2.2 U	0.99 J	2.31 JT	0.47 J	0.7 J	0.57 J	0.72 U	0.54 J		0.7 J	0.7 J	1 J	0.61 J	1 J	6.29 JT	8.6 JT
C396	LW2-C396-C	0.52 U	0.25 U	0.34 U	0.34 U	0.29 U	2 U	0.5 U	2 UT	0.4 U	0.25 U	0.34 U	0.73 U	0.5 U		0.35 U	0.62 U	0.52 U	0.37 U	0.55 U	0.73 UT	2 UT
C397	LW2-C397-B	8.6	13	7.3	16	13	20 U	71	129 T	10	46	59	51	44		63	63	100	55	120	611 T	740 T
C397	LW2-C397-C	8.3 J	16 J	7.1 J	18 J	13 J	19 J	69 J	150 JT	8.6 J	42 J	47 J	47 J	33 J		50 J	58 J	110 J	43 J	110 J	549 JT	699 JT
C397	LW2-C397-D	15 J	11 J	14 J	19 J	13 J	31 J	79 J	182 JT	5.4 J	27 J	34 J	31 J	23 J		49 J	41 J	95 J	35 J	100 J	440 JT	622 JT
C400	LW2-C400-B	3.2 J	5	4 J	8.7	3.4 J	10	29	63.3 JT	3.1 J	30	33	32	11		25	31	54	23	47	289 JT	352 JT
C400	LW2-C400-C	2.9 U	3.2	3.4	6.7	3.8	14 U	31	48.1 T	5.7	24	31	47	23		24	31	47	24	47	304 T	352 T
C401	LW2-C401-B	4.9	24	10	39	33	13 U	210	321 T	50	160	240	310	100		210	240	350	240	330	2230 T	2550 T
C401	LW2-C401-C	16	68	20 U	27	140	150	420	821 T	26	91	110	160	52		110	150	240	120	350	1410 T	2230 T
C401	LW2-C401-D	15	91	25 U	50	73	41 U	610	839 T	22	150	87	79	24		50	240	220	30	300	1200 T	2040 T
C401	LW2-C401-E	18	130	20 U	66	150	69	660	1090 T	9.5	62	48	53	16		37	88	150	31	260	755 T	1850 T
C401	LW2-C401-F	1.5 J	2.8	2.5	2.4	1.8 J	8.6 U	13	24 JT	1.1 U	6.8	9.3	5.9	5.9		10	7.7	18	7.8	26	97.4 T	121.4 JT
C402	LW2-C402-B	4.9	56	5.7	67	42	5.7 U	370 J	546 JT	12	120	63	77	51		49	160	500 J	41	410 J	1480 JT	2030 JT
C402	LW2-C402-C	1 U	14	0.63 J	4	1.7 J	6 U	47	67.3 JT	1.9 J	18	11	12	11		7.3	22	50	7.3	58	199 JT	266 JT
C403	LW2-C403-B	6.8	4.2	9.3	8.6	4.8	0.49 U	46	79.7 T	4.7	22	28	28	8.6		30	31	58	26	80	316 T	396 T
C403	LW2-C403-C	0.6 J	0.21 U	0.63 J	0.34 J	0.25 U	0.45 U	0.89 J	2.46 JT	0.42 J	2.3 J	2.4 J	2.4 J	1.1 J		1.4 J	1.9 J	1.9 J	1.6 J	2.4 J	17.8 JT	20.3 JT
C403	LW2-C403-D	0.57 J	0.24 U	0.43 J	1.5 J	0.42 J	0.53 U	1.4 J	4.32 JT	0.39 U	0.31 J	0.33 U	0.72 U	0.5 U		0.35 U	0.62 U	0.86 J	0.36 U	0.54 U	1.17 JT	5.49 JT
C405	LW2-C405-B	1.8 J	5.7	6.2	19	20	3.6 U	54	107 JT	8	71	55	100	34		35	140	97	33	130	703 T	810 JT
C405	LW2-C405-C	18	23	13	56	32	29	220	391 T	19	140	120	180	56		92	180	340	81	320	1530 T	1920 T
C405	LW2-C405-E	0.75 J	0.26 J	0.34 U	0.34 U	0.3 U	7.6 U	1.1 J	2.11 JT	0.4 U	1.1 J	0.82 J	0.95 J	0.84 J		0.62 J	1.2 J	2 J	0.59 J	1.9 J	10.02 JT	12.13 JT
C409	LW2-C409-B	35	23	5.8	750	83	29	300	1230 T	14	69	75	98	37		59	93	180	56	150	831 T	2060 T
C409	LW2-C409-C	64	13	14	1300	150	46	520	2110 T	21	110	120	160	58		96	160	230	92	240	1200 T	3390 T
C409	LW2-C409-D	0.46 J	0.54 J	0.52 J	5.7	1.3 J	2.3 U	12	20.52 JT	1 J	4.5	5.7	5.5	5.2		4.6	7	5.2	3.8	9.9	52.4 JT	72.92 JT
C413-1	LW2-C413-B1	13	8.4	11	9.5	7.6	30	43	123 T	3.6	18	26	29	11		25	24	51	20	61	269 T	391 T
C413-2	LW2-C413-B2	19	12	12	15	13	39	78	188 T	6.2	35	44	49	17		34	48	89	30	110	462 T	650 T
C413-1	LW2-C413-C1	15	11	10	11	10	25	63	145 T	3.8	18	26	28	9.2		31	27	66	23	85	317 T	462 T
C413-2	LW2-C413-C2	11	7.5	6.2	7.6	7.6	22	36	97.9 T	2.6	13	18	21	7.3		16	18	37	13	46	192 T	290 T
C413-2	LW2-C413-D2	38	31	18	27	35	60	150	359 T	5.5	30	45	49	15		51	48	140	39	160	583 T	942 T
C415	LW2-C415-B	6.3	15	1.5 J	15	4.5	14 U	62	104 JT	12	58	87	73	23		77	77	89	68	140	704 T	808 JT
C415	LW2-C415-C	0.46 U	0.22 U	0.3 U	0.3 U	0.26 U	3.7 U	0.45 J	0.45 JT	0.35 U	0.3 J	0.3 U	0.65 U	0.45 U		0.31 U	0.56 U	0.49 J	0.33 U	0.49 U	0.79 JT	1.24 JT
C415	LW2-C415-D	0.47 U	7.4	0.33 J	0.31 U	0.9 J	5 U	1.6 J	10.2 JT	0.36 U	0.53 J	0.34 J	0.67 U	0.46 U		0.35 J	0.57 U	1.1 J	0.43 J	1.5 J	4.25 JT	14.5 JT
C417	LW2-C417-B	7.4	8.7	10	15	6.6	17	46	111 T	9.8	43	65	77	27		64	61	96	52	120	615 T	726 T
C417	LW2-C417-D	10	14	28	150	25	23	250	500 T	33	230	220	260	93		130	240	490	130	440	2270 T	2770 T
C420	LW2-C420-B	49	28	12	35	40	26	170	360 T	17	81	87	92	64		79	110	180	76	170	956 T	1320 T
C420	LW2-C420-C	13	28	5	36	33	27	190	332 T	18	80	87	83	76		75	94	210	79	170	972 T	1300 T
C421	LW2-C421-B	17	520	26	100	450	35 U	1800	2910 T	39	390	250	350	220		150	460	1600	160	1200	4820 T	7730 T
C421	LW2-C421-C	6.7	15	9.4	16	10	16 U	78	135 T	8.7	60	58	46	40		48	75	120	43	140	639 T	774 T
C425-1	LW2-C425-B1	8.8 T	24 T	5.8 T	11.5 T	15 T	15 T	76.5 T	157 T	4.95 T	25.5 T	33 T	41.5 T	13 T		34.5 T	39.5 T	78.5 T	25 T	97.5 T	393 T	550 T
C425-2	LW2-C425-B2	6	12	6.6	22	13	9.7 U	110	170 T	6.6	29	38	49	17		37	47	99	31	100	454 T	623 T
C425-1	LW2-C425-C1	30.5 T	36.5 T	11 T	92.5 T	28.3 T	34 T	401 T	634 T	62.9 T	411 T	443 T	526 T	199 T		248 T	477 T	788 T	252 T	700 T	4110 T	4740 T
C425-2	LW2-C425-C2	5.2	8.4	3.3	4.8	2.2 J	9.4 U	22	45.9 JT	2.7	20	22	24	8.3		18	22	44	15	56	232 T	278 JT
C425-2	LW2-C425-D2	28	33	11	29	24	18	160	303 T	23	150	180	220	75		140	170	280	120	270	1630 T	1930 T
C425-1	LW2-C425-E1	16 T	19.5 T	8.5 T	12 T	15 T	18 T	74.5 T	164 T	5.9 T	38 T	54 T	52.5 T	18 T		45.5 T	43.5 T	84.5 T	39.5 T	102 T	483 T	647 T
C426	LW2-C426-B	13	18	11	15	12	27	72	168 T	6.8	33	44	55	18		41	47	99	33	100	477 T	645 T
C426	LW2-C426-C	0.56 J	0.26 J	0.44 J	0.44 J	0.29 J	2.1 U	1.6 J	3.59 JT	0.34 U	0.88 J	0.92 J	1.2 J	0.43 U		1 J	0.87 J	1.9 J	0.72 J	2.7	10.2 JT	13.8 JT
C430	LW2-C430-B	5.5	5.3	4.3	6.3	5.1	16 U	29	55.5 T	4	18	24	28	9.2		21	24	39	20	45	232 T	288 T
C430	LW2-C430-C	27	28	27	42	26	94	180	424 T	13	79	100	110	36		110	98	270	95	290	1200 T	1630 T
C430	LW2-C430-E	35	26	18	31	21	380	140	651 T	19	90	110	130	43		100	120	190	97	210	1110 T	1760 T

BZTO104(e)028842

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C431	LW2-C431-B	190	150	26	79	190	110	670	1420 T	14	86	79	110	33		69	130	320	64	340	1250 T	2660 T
C431	LW2-C431-C	39	25	37	48	24	80	290	543 T	24	130	170	180	54		190	160	380	170	530	1910 T	2450 T
C431	LW2-C431-D	7.9	5.2	8.5	18	6.7	25	57	128 T	8.6	52	62	62	20		52	57	100	48	150	612 T	740 T
C434	LW2-C434-B	35	44	34	53	41	96	270	573 T	19	99	140	160	47		160	150	400	130	450	1760 T	2330 T
C434	LW2-C434-C	2.8	1.5 J	2.4 J	2.7	1.6 J	12 U	10	21 JT	1.2 J	5.6	6.4	7.1	2.4 J		6.9	6.2	10	6	20	71.8 JT	92.8 JT
C434	LW2-C434-D	0.54 J	0.27 J	0.53 J	1.2 J	0.72 J	5 U	1.5 J	4.76 JT	0.36 U	0.81 J	0.31 U	0.67 U	0.46 U		0.32 U	0.57 U	1 J	0.34 U	0.93 J	2.74 JT	7.5 JT
C436	LW2-C436-B	2.7 U	7.2	1.8 J	5.1	7.2	7.7 U	26	47.3 JT	1.2 J	8.7	7.9	9.2	7.9		7	15	34	5.9	29	126 JT	173 JT
C436	LW2-C436-C	30	42	25	45	38	74	200	454 T	11	63	79	63	59		89	91	220	73	230	978 T	1430 T
C436	LW2-C436-E	0.87 J	2.6	3.1	7.8	1.6 J	4.3 U	17	32.97 JT	4.2	43	46	26	32		20	42	52	22	59	346.2 T	379.17 JT
C437	LW2-C437-B	9.7	8.4	13	18	9.3	40	59	157 T	5.9	38	46	46	16		38	47	86	32	110	465 T	622 T
C437	LW2-C437-C	0.5 J	0.22 U	0.41 J	0.87 J	0.37 J	5 U	1.2 J	3.35 JT	0.48 J	0.91 J	0.61 J	0.88 J	0.52 J		0.48 J	0.63 J	1.1 J	0.52 J	1.1 J	7.23 JT	10.6 JT
C437	LW2-C437-D	0.53 J	0.22 U	0.31 U	0.31 U	0.27 U	5.3 U	0.52 J	1.05 JT	0.36 U	0.22 U	0.31 U	0.66 U	0.46 U		0.32 U	0.57 U	0.47 U	0.33 U	0.5 U	0.66 UT	1.05 JT
C439	LW2-C439-B	5.5 J	9.2	6	16 J	10	14	49	110 JT	4.5	27	26	30	22		26	57 J	73	23	64 J	353 JT	462 JT
C439	LW2-C439-C	15	13	8.4	20	14	33	70	173 T	9.4	50	55	56	49		46	72	110	45	120	612 T	786 T
C439	LW2-C439-D	0.46 U	0.22 U	0.59 J	0.86 J	0.26 U	1.7 U	1.6 U	1.45 JT	0.6 J	5.9	6.3	4.2	4.2		3.8	5.8 U	9.1	3.7	11	48.8 JT	50.25 JT
C440	LW2-C440-B	0.71 J	1.4 J	1.6 J	2.5	0.82 J	3 U	6.6	13.6 JT	1.8	7.8	11	12	8.3		10	13	14	8.5	16	102 T	116 JT
C440	LW2-C440-C	6.3	11	4.8	15	11	16	63	127 T	11	54	61	59	43		47	67	100	49	94	585 T	712 T
C440	LW2-C440-D	12	35	7.1	24	35	28	140	281.1 T	7.7	52	57	46	39		46	66	140	41	140	634.7 T	915.8 T
C441-1	LW2-C441-B1	9.5	6	8.6	11	7.9	27	51	121 T	5	26	32	31	27		34	40	74	28	92	389 T	510 T
C441-2	LW2-C441-B2	13.7 T	24 T	12.1 T	28 T	18.5 T	31 T	131 T	258 T	16 T	83 T	103 T	110 T	54 T		78 T	114 T	145 T	77.5 T	180 T	961 T	1220 T
C441-1	LW2-C441-C1	0.49 U	0.23 U	0.32 U	0.32 U	0.27 U	0.5 U	0.66 J	0.66 JT	0.37 U	0.52 J	0.48 J	0.68 U	0.47 U		0.57 J	0.58 U	1 J	0.39 J	1.5 J	4.46 JT	5.12 JT
C441-2	LW2-C441-C2	1.31 JT	0.84 JT	5.03 JT	8.24 JT	0.98 JT	0.5 UT	11.7 JT	28.1 JT	11 T	46.5 JT	44.4 JT	23.2 JT	30.3 JT		20.2 JT	51 JT	50 T	21.6 JT	72.2 T	370 JT	399 JT
C444	LW2-C444-B	12	18	14	34	18	21	140	257 T	18	93	120	140	49		90	140	280	95	190	1220 T	1470 T
C444	LW2-C444-C	9.2	8.3	8.9	16	7.7	21	54	125 T	8.9	39	50	46	33		50	49	71	46	97	490 T	615 T
C445	LW2-C445-B	7.1	30	4.7	21	32	0.64 U	160	255 T	7.3	44	39	53	17		29	56	160	29	140	574 T	829 T
C445	LW2-C445-C	33	120	9.6	67	120	7.2	530	952 T	19	110	100	130	45		71	130	410	77	300	1390 T	2340 T
C445	LW2-C445-D	8	17	5.7	9.1	14	15	67	135.8 T	3.9	28	32	24	24		26	170	56	25	490	878.9 T	1014.7 T
C445	LW2-C445-E	33	27	29	36	28	82	200	435 T	8.9	56	70	82	24		83	79	230	63	260	956 T	1390 T
C447	LW2-C447-B	30	17	11	25	10	36	110	239 T	13	60	74	65	49		77	84	95	66	170	753 T	992 T
C447	LW2-C447-C	32	43	100	62	33	100	350	720 T	17	130	190	130	100		220	150	390	180	550	2060 T	2780 T
C447	LW2-C447-D	7.9 J	22 J	14 J	39 J	11 J	48 J	92 J	234 JT	22 J	180 J	170 J	130 J	130 J		98 J	160 J	250 J	110 J	290 J	1540 JT	1770 JT
C448	LW2-C448-B	1.7 U	2 J	1.4 J	1.8 J	1.3 J	4.7 U	6.4	12.9 JT	0.84 J	3.9	5.7	7.2	2.6		6.1	6	10	4.7	11	58 JT	70.9 JT
C448	LW2-C448-C	4.6	9.9	5.7	17	9	7.4 U	49	95.2 T	3	27	19	30	13		16	72	72	14	61	327 T	422 T
C449	LW2-C449-B	1.1 J	1.4 J	1.9 J	2.8 U	1.5 J	4.6 U	7.5 J	13.4 JT	1.3 J	12	14	12	12		14	18	14 J	10	16 J	123 JT	137 JT
C449	LW2-C449-C	1.9 J	3.5	3.1	5.3 U	2.6	6.8	21 J	38.9 JT	2.2 J	18	20	15	16		19	24	26 J	15	30 J	185 JT	224 JT
C449	LW2-C449-E	1.8 J	1.7 J	2 J	2.7 U	2.1 J	6.6	18 J	32.2 JT	0.98 J	9.2	10	9.1	9.4		11	14	30 J	8.3	34 J	136 JT	168 JT
C450	LW2-C450-B	2.6	4.6	0.87 J	2.2 J	5	5.9 U	17	32.3 JT	1.3 J	5.6	6.7	7.2	5.2		8	7.7	15	6.5	15	78.2 JT	110 JT
C450	LW2-C450-C	35	19	23	45	27	40	110	299 T	18	190	150	150	120		74	200	170	74	170	1320 T	1620 T
C453	LW2-C453-B	680	140	44	170	260	100	780	2170 T	14	120	110	200	0.59 U		120	190	410	100	470	1730 T	3910 T
C453	LW2-C453-C	170	80	33	72	90	95	390	930 T	11	79	92	86	51		110	120	350	90	340	1330 T	2260 T
C453	LW2-C453-D	17	19	20	28	19	44	110	257 T	7.4	43	61	43	39		70	55	130	56	160	664 T	921 T
C454	LW2-C454-B	13	11	8.2	12	8	30	70	152 T	2.5	19	18	22	9.5		22	31	93	16	110	343 T	495 T
C454	LW2-C454-C	23	18	38	26	18	110	130	363 T	5.1	35	50	56	17		58	46	200	44	210	721 T	1080 T
C454	LW2-C454-D	20	21	42	34	16	110	120	363 T	9.5	62	91	85	32		88	73	190	74	200	905 T	1270 T
C454	LW2-C454-E	4.7	5.2	11	13	3.5	23	34	94.4 T	4.8	26	42	37	13		38	33	63	33	71	361 T	455 T
C455	LW2-C455-B	7500	470	120 U	370	980	440	3800	13600 T	49	260	210	240	75		200	450	760	150	1200	3590 T	17200 T
C455	LW2-C455-C	94	80	58	140	110	110 U	660	1140 T	29	160	190	230	69		220	260	590	170	770	2690 T	3830 T
C455	LW2-C455-D	48	42	39	61	35	100	260	585 T	23	100	140	130	42		170	130	350	150	360	1600 T	2180 T
C455	LW2-C455-F	6.2	7.6	6.8	4.8	4.7	26	27	83.1 T	1.6 U	8.8	12	8.5	7.1		17	13	28	12	40	146.4 T	229.5 T
C456	LW2-C456-B	1.8 U	3.1	2.3 J	6	2.4 J	8.4 U	19	32.8 JT	2.9	15	17	23	9.3		15	20	34	14	30	180 T	213 JT
C456	LW2-C456-C	130	190	51	360	220	190	1400	2540 T	98 J	620	600	790	270		370	660	1800	390	1300	6900 JT	9440 JT
C456	LW2-C456-D	23	26	26	28	19	67	130	319 T	7.4	46	68	67	25		72	60	190	59	200	794 T	1110 T
C456	LW2-C456-F	40	81	70	110	56	97	400	854 T	27	160	220	210	69		190	190	540	160	580	2350 T	3200 T
C456	LW2-C456-G	1.6 J	1.7 J	2.2	1.7 J	1.1 J	16	8	32.3 JT	0.54 J	6.5	8.6	4.7	5.5		8.3	8.4	13	6	20	81.54 JT	113.84 JT
C457	LW2-C457-B	2.8 U	7.9	4.7	13 J	8.2	6.7 U	50	83.8 JT	7.2	38	43	45	35		36	49 J	81	36	66 J	436 JT	520 JT
C457	LW2-C457-C	130	270	46	380	330	130	2100	3390 T	150	730	840	890	530		600	810	2300	700	1800	9350 T	12700 T
C457	LW2-C457-D	22	22	33	30	22	83	150	362 T	7.3	50	74	50	44		86	73	190	66	230	870.3 T	1232.3 T
C457	LW2-C457-E	17	22	21	25	17	56	100	258 T	6.3	39	53	41	34		62	52	130	48	150	615 T	873 T
C458-1	LW2-C458-B	1.8 J	2.3 J	3.4	2.7	2 J	6 U	9.2	21.4 JT	2.7	15	17	15	13		17	20	28	14	38	180 T	201 JT
C458-2	LW2-C458-B2	1.8 JT	2.55 JT	1.65 JT	2.85 JT	1.75 JT	5.2 UT	13 T	23.6 JT	1.6 JT	7.9 T	10.4 T	9.6 T	7.8 T		12 T	11 T	21.5 T	9.1 T	22.5 T	113 JT	137 JT
C458-1	LW2-C458-C	1.1 J	0.84 J	0.74 J	1.2 J	0.85 J	3.5 U	5.5	10.2 JT	1.1 J	5	6.2	7.1	4.7		7.1	7.3	12	5.7	13	69.2 JT	79.4 JT
C458-2	LW2-C458-C2	2 JT	1.7 JT	1.25 JT	1.85 JT	1.6 JT	5.9 UT	8.75 T	17.2 JT	1.4 JT	6.25 T	7.65 T	8.65 T	6.65 T		9.05 T	10.9 T	16 T	7.3 T	17.5 T	91.4 JT	109 JT
C461	LW2-C461-B	2.7	2.9	3.2	5.9	3.7	6.2 U	31	49.4 T	3.7	20	24	27	20		25	31	57	22	58	288 T	337 T
C461	LW2-C461-C	4	5.6	2.9	7.3	7	8.3 U	40	66.8 T	5.1	24	28	33	21		26	34	72	25	62	330 T	397 T
C462	LW2-C462-B	1.5 J	3.8	1.2 J	2.6	1.6 J	5 U	14	24.7 JT	1.9 J	10	12	12	9.7		13	13	26	11	26	135 JT	159 JT
C462	LW2-C462-C	3.1	3.7	6	4.8	3.3	9.2 U	17	37.9 T	3.7	23	27	21	17		24	32	36	20	45	249 T	287 T
C468	LW2-C468-B	4.3	4.8	2.8	5.8	4.5	16 U	23	45.2 T	2.4 U	12	14	18	10		17	18	37	13	35	174 T	219 T
C468	LW2-C468-C	12	4	4.6	6	5.6	20	27	79.2 T	3.1	13	16	22	10		18	25	42	15	39	203 T	282 T
C471	LW2-C471-B	1.5 J	0.73 J	0.76 J	1.1 J	1 J	5 U	5.6	10.7 JT	0.92 J	4.7	5.1	5.2	4.7		6.3	6.9	10	4.7	11	59.5 JT	70.2 JT
C471	LW2-C471-C	1.8 J	1.5 J	1.3 J	2 J	1.6 J	5.5 U	9.1	17.3 JT	1.3 J	6.3	7	7.3	5.6		8.1	8.3	17	6.2	17	84.1 JT	101 JT
C474	LW2-C474-B	2.8	3.6	1.7 J	4.4	4.9	7.3 U	21	38.4 JT	1.7 J	10	9	15	9.3		10	24	42	8.3	32	161 JT	200 JT
C474	LW2-C474-C	2.6	3.6	1.6 J	2.6	2.6	9.4 U	13	26 JT	1.1 J	5.8	6.5	6.9	5.4		7.8	7.9	18	5.9	19	84.3 JT	110 JT
C477	LW2-C477-B	3.7	7.9	6.7	12	7.3	11	47	95.6 T	6.5	31	36	70	18		39	62	94	29	91	477 T	572 T
C477	LW2-C477-C	31	47	33	81	46	34	250	522 T	44 J	400	250	1200	260		120	1200	1800	120	1100	6490 JT	7020 JT
C492	LW2-C492-B	2.8	4.6	20	31	12	6.3	210	287 T	9.6	100	160	100	96		150	140	360	130	450	1700 T	1980 T
C492	LW2-C492-C	0.42 U	0.2 U	0.27 U	0.27 U	0.24 U	1.5 U	0.95 U	1.5 UT	0.4 U	0.75 U	0.55 U	0.64 U	0.61 U		0.78 U	0.71 U	1.3 U	0.76 U	1.3 U	1.3 UT	1.5 UT
C494	LW2-C494-B	4.9	6	13	19	8.1	12 U	70	121 T	8.6	42	67	77	27		77	70	130	65	150	714 T	835 T
C494	LW2-C494-C	22	35	17	49	31	40	160	354 T	14	79	100	120	41		92	110	250	85	250	1140 T	1500 T
C494	LW2-C494-D	100	470	220	410	160	420	2600	4380 T	80	620	1200	1000	330		1300	860	3500	1100	4700	14700 T	19100 T
C494	LW2-C494-E	27	370	79	440	100	200	3400	4620 T	120 J	800	2000	1500	470		2700	1100	4800	1900	6400	21800 JT	26400 JT
C521	LW2-C521-B	12000	17000	1800	9400	7900	200000	47000	295000 T	840	6400	8200	6600	2100		6600	7400	24000	6700	28000	96800 T	392000 T
C521	LW2-C521-C	510000	480000	79000	240000	210000	3600000	1100000	6220000 T	21000	180000	220000	180000	58000		170000	190000	690000	170000	810000	2690000 T	8910000 T
C521	LW2-C521-D	33000	20000	31000	22000	26000	240000	140000	512000 T	2000	18000	26000	14000	12000		19000	24000	77000	17000	83000	292000 T	804000 T
C521	LW2-C521-E	74	270	170	470	300	540 J	2400	4220 JT	66	470	620	480	160		470	480	1600	500	2000	6850 T	11100 JT
C522	LW2-C522-B	65	210	68	94	100	230	990	1760 T	50	300	520	310	270		520	400	980	450	1100	4820 T	6580 T
C522	LW2-C522-C	1.4 J	4.4	1.5 J	1.9 J	0.94 J	0.48 U	23	33.1 JT	1.3 J	6.7	11	6.7	6.7		13	9.6	15	10	32	112 JT	145 JT
C523	LW2-C523-B	140	2600	130	590	1200	340	1000	6000 T	98	980	1300	850	790		1100	1300	3300	1000	4800	15500 T	21500 T
C523	LW2-C523-C	31	390	17	83	180	59	230	990 T	17	130	170	110	96		130	180	440	130	610	2010 T	3000 T
C524	LW2-C524-B	39	29	49	25	35	180	170	527 T	5.4	48	53	41	35		61	72	180	48	220	763 T	1290 T
C525	LW2-C525-B	2000	4000	640	3600	2700	1600	19000	33500 T	550	4200	5900	3800	3200		4700	5300	13000	4600	16000	61300 T	94800 T
C525	LW2-C525-C	930	2300	270	3500	1600	3100	12000	23700 T	440	3200	4400	2600	2300		3400	4100	8400	3200	11000	43000 T	66700 T
C525	LW2-C525-D	31000	19000	3600	26000	20000	510000	160000	770000 T	3700	32000	44000	28000	23000		32000	41000	120000	32000	130000	486000 T	1260000 T
C525	LW2-C525-E	37	350	40	370	250	340	2600	3990 T	63	550	880	470	420		660	700	2300	630	2900	9490 T	13500 T
C527	LW2-C527-B	36	130	60	170	110	98	910	1510 T	130	760	1000	800	670		880	960	1700	910	2000	9810 T	11300 T
C527	LW2-C527-C	77	360	150	390	270	180	2100	3530 T	230	1500	2000	1700	1300		1900	2000	3800	1900	4000	20300 T	23900 T

BZTO104(e)028843

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C527	LW2-C527-E	4100	3200	400	2500	2700	40000	16000	68900 T	370	3000	3700	2900	2600		4100	4300	11000	3900	13000	48900 T	118000 T
C528	LW2-C528-B	27	150	80	140	110	75	760	1340 T	140	860	1100	940	680		1100	1200	1900	1100	2200	11200 T	12600 T
C528	LW2-C528-C	120	690	180	700	570	190	4100	6550 T	220	1800	2200	1800	1500		2200	2300	4900	2200	5300	24400 T	31000 T
C528	LW2-C528-F	6.6	52	3.1	31	24	12	53	182 T	3.1 U	38	44	31	27		39	52	150	35	180	596 T	778 T
C529	LW2-C529-B	27	100	29	81	65	65	420	787 T	49	310	430	320	250		390	410	620	370	840	3990 T	4780 T
C529	LW2-C529-C	99	910	94	600	550	170	2800	5220 T	140	1200	1600	1400	1000		1200	1600	3400	1200	4100	16800 T	22100 T
C529	LW2-C529-E	1600	1900	210	1800	1400	430	9100	16400 T	160	1600	1900	1300	1100		1600	2200	5500	1300	8300	25000 T	41400 T
C530	LW2-C530-B	190	2300	790	1500	1200	390	7500	13900 T	660	5900	7900	6000	5100		5900	7000	13000	5600	17000	74100 T	87900 T
C530	LW2-C530-C	150	340	97	290	210	190	1500	2780 T	51	430	580	420	370		530	590	1200	430	1900	6500 T	9280 T
C530	LW2-C530-E	1000	1500	170	1100	860	820	5500	11000 T	140	1400	1800	1100	950		1400	1800	3800	1200	6000	19600 T	30500 T
C531	LW2-C531-B	270	1600	180	1600	1200	500	9400	14800 T	360	3000	3800	2700	2100		2700	3500	7300	2800	9100	37400 T	52100 T
C531	LW2-C531-C	1200	2000	210	5900	1700	620	10000	21600 T	270	2100	2900	1700	1600		2400	2700	6400	2300	7800	30200 T	51800 T
C531	LW2-C531-E	4	41	3	21	7.5	8.8	56	141 T	5.3	56	60	40	43		33	52	93	36	93	511 T	653 T
C532	LW2-C532-B	16	16	16	16	15	49	77	205 T	3	27	38	27	24		39	38	90	31	110	427 T	632 T
C532	LW2-C532-C	12	12	17	16	14	50	75	196 T	3.4	31	43	28	30		46	43	94	35	120	473 T	669 T
C532	LW2-C532-E	35	51	35	65	61	70	360	677 T	13	110	160	110	91		180	170	330	150	460	1770 T	2450 T
C532	LW2-C532-F	0.46 U	0.23 J	0.3 U	0.35 U	0.3 J	0.47 U	2.3 U	0.53 JT	0.35 U	0.43 U	0.43 U	0.64 U	0.44 U		0.58 U	0.6 U	1.7 U	0.48 U	2.4 U	2.4 UT	0.53 JT
C533	LW2-C533-B	24	28	58	34	34	190	180	548 T	8.6	54	76	51	48		87	74	220	70	250	939 T	1490 T
C533	LW2-C533-C	8.4	10	14	66	19	39	270	426 T	50	390	340	260	240		180	400	620	200	590	3270 T	3700 T
C533	LW2-C533-D	1.8 J	1.4 J	2.4 J	3.4	1.9 J	6.4	12	29.3 JT	0.98 J	8.3	9.2	6	6		6.7	8.7	16	6	22	89.9 JT	119 JT
NA-1B	NA-1B-0046	7.6	11	11	19	8.5	16	54	127 T	9	40	76	78	27		83	60	85	67	110	635 T	762 T
NA-1B	NA-1B-4668	6	12	14	24	7.9	15	66	145 T	14	69	120	120	41		120	91	130	100	150	955 T	1100 T
NA-1B	NA-1B-6894	170	670	220	370	480	300	3500	5710 T	130	920	1400	1300	420		1200	1300	2000	980	2700	12400 T	18100 T
NA-2B	NA-2B-3157	3.3 J	6.1 J	3.3 J	9.2 J	6.3 J	0.65 U	23 J	51.2 JT	4.8 J	20 J	25 J	33 J	11 J		22 J	30 J	44 J	22 J	44 J	256 JT	307 JT
NA-2B	NA-2B-5794	7.6	12	6.9	22	9.9	20	36	114 T	6.7	30	37	51	16		33	41	66	29	71	381 T	495 T
NA-3B	NA-3B-3464	18 J	16 J	16 J	19 J	14 J	63 J	87 J	233 JT	6.3 J	33 J	47 J	48 J	17 J		45 J	42 J	100 J	43 J	120 J	501 JT	734 JT
NA-3B	NA-3B-6494	32 J	33 J	27 J	44 J	28 J	110 J	190 J	464 JT	7.5 J	56 J	63 J	63 J	21 J		52 J	70 J	200 J	49 J	240 J	822 JT	1290 JT
NA-4B	NA-4B-2450	9.8	11	7.6	9.1	6.7	31	39	114 T	5.7	22	27	30	10		27	28	53	26	60	289 T	403 T
NA-4B	NA-4B-5094	5.3	5.8	5.7	8.8	4.1	16	26	71.7 T	7.3	25	33	39	13		35	33	55	34	64	338 T	410 T
B416U1	PPTLDT24B416U1B416C1		24 G	20 UG	20 UG	20 UG	20 UG	93 G	117 JT	20 UG	79 G	85 G	74 G	68 G	142 T	50 G	95 G	210 G	67 G	210 G	938 T	1055 JT
TJU1	PPTLDT24T2U1B204C1		20 UG	20 UG	20 UG	20 UG	20 UG	26 G	26 JT	20 UG	51 G	56 G	45 G	38 G	83 T	32 G	52 G	93 G	43 G	100 G	510 T	536 JT
TJU1	PPTLDT24T2U2B203C1		20 U	20 U	20 U	20 U	20 U	93	93 JT	20 U	73	100	75	65	140 T	77	100	240	95	280	1110 T	1203 JT
DM-20	PSYD&M97DM20DM20C		6.7 U	33.5 U	53.3	33.5 U	58.7	206	318 JT	27.8	142	166	174	110	284 T	124	176	271	118	392	1700 T	2018 JT
DM-24	PSYD&M97DM24DM24C1		6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 UT
DM-24	PSYD&M97DM24DM24C2		6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 UT	6.7 UT
PSY01C	PSYSEA98PSY01CPSY01A	23	30	18	34	27	54	169	355 T	10 U	86	81	95	67	162 T	51	119	270	44	305	1120 T	1475 T
PSY01C	PSYSEA98PSY01CPSY01B	39	47	26	66	45	80	238	541 T	21	154	206	212	176	388 T	125	220	409	119	535	2180 T	2721 T
PSY07C	PSYSEA98PSY07CPSY07A	28	36	16	50	39	53	249	471 T	17	148	181	191	144	335 T	100	200	504	96	627	2210 T	2681 T
PSY07C	PSYSEA98PSY07CPSY07B	17	20	10 U	25	23	24	123	232 T	10 U	81	86	102	76	178 T	46	106	265	44	295	1100 T	1332 T
PSY11C	PSYSEA98PSY11CPSY11A	10	10 U	11	16	10	21	77	145 T	10 U	46	65	61	51	112 T	49	70	151	41	241	775 T	920 T
PSY11C	PSYSEA98PSY11CPSY11B	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY11C	PSYSEA98PSY11CPSY11C	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY11C	PSYSEA98PSY11CPSY11D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY16C	PSYSEA98PSY16CPSY16A	23	33	16	54	37	31	287	481 T	27	210	236	252	174	726 T	166	256	470	198	436	2430 T	2911 T
PSY16C	PSYSEA98PSY16CPSY16B	17	13	14	23	15	40	118	240 T	10 U	50	57	47	39	86 T	51	68	123	48	161	644 T	884 T
PSY16C	PSYSEA98PSY16CPSY16C	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY18C	PSYSEA98PSY18CPSY18A	36	50	23	93	68	115	420	805 T	33	235	270	338	267	1230 T	135	339	892	153	901	3560 T	4365 T
PSY18C	PSYSEA98PSY18CPSY18B	59	44	53	20	65	65	116	393	771 T	16	144	158	146	275 T	92	193	547	89	638	2150 T	2921 T
PSY18C	PSYSEA98PSY18CPSY18C	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY20C	PSYSEA98PSY20CPSY20A	22	82	12	67	86	23	610	902 T	46	240	255	252	188	440 T	196	276	640	228	580	2900 T	3802 T
PSY20C	PSYSEA98PSY20CPSY20B	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY20C	PSYSEA98PSY20CPSY20C	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY20C	PSYSEA98PSY20CPSY20D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY23C	PSYSEA98PSY23CPSY23A	10 U	67	10 U	75	83	12	730	967 T	70	409	380	392	303	695 T	259	580	1200	349	930	4870 T	5837 T
PSY23C	PSYSEA98PSY23CPSY23B	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY23C	PSYSEA98PSY23CPSY23C	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY23C	PSYSEA98PSY23CPSY23D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY34C	PSYSEA98PSY34CPSY34A	19	36	10 U	42	32	23	248	400 T	26	198	195	203	138	341 T	127	212	308	154	357	1920 T	2320 T
PSY34C	PSYSEA98PSY34CPSY34B	10 U	10 U	10 U	10 U	10 U	10 U	39	39 T	10 U	29	32	25	25	50 T	34	39	38	32	73	327 T	366 T
PSY27C	PSYSEA98PSY27CPSY27A	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY27C	PSYSEA98PSY27CY27A02	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY27C	PSYSEA98PSY27CY27A03	20	31	10 U	46	40	15	246	398 T	21	169	158	164	134	298 T	79	180	359	106	318	1690 T	2088 T
PSY27C	PSYSEA98PSY27CY27A04	12	14	10 U	25	22	10 U	127	208 T	10 U	57	45	39	41	80 T	26	58	112	37	95	510 T	710 T
PSY34C	PSYSEA98PSY34CPSY34A	10 U	10 U	10 U	11	10 U	10 U	52	63 T	10 U	40	40	43	33	76 T	27	47	97	30	94	451 T	514 T
PSY34C	PSYSEA98PSY34CPSY34B	10 U	16	10 U	45	32	11	151	255 T	14	97	94	89	86	175 T	66	113	257	79	263	1160 T	1415 T
PSY34C	PSYSEA98PSY34CPSY34C	19	10 U	12	27	14	31	123	226 T	14	85	99	90	78	168 T	79	109	231	83	287	1160 T	1386 T
PSY36C	PSYSEA98PSY36CPSY36A	10 UG	10 UG	10 UG	10 UG	10 UG	10 UG	29 G	29 T	10 UG	22 G	22 G	22 G	19 G	41 T	17 G	28 G	44 G	20 G	44 G	238 T	267 T
PSY36C	PSYSEA98PSY36CPSY36B	57 G	138 G	10 UG	257 G	205 G	38 G	1300 G	2000 T	77 G	490 G	414 G	410 G	294 G	704 T	253 G	550 G	1300 G	322 G	1000 G	5110 T	7110 T
PSY36C	PSYSEA98PSY36CPSY36C	170 G	353 G	10 UG	870 G	800 G	57 G	3700 G	5950 T	162 G	1300 G	1300 G	1300 G	1000 G	2300 T	690 G	1300 G	3300 G	830 G	2400 G	13600 T	19550 T
PSY36C	PSYSEA98PSY36CPSY36D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	13	13 T	13 T
PSY39C	PSYSEA98PSY39CPSY39A	85	17	10 U	10 U	20	260	46	428 T	10 U	17	17	15	13	28 T	15	22	37	15	45	196 T	624 T
PSY39C	PSYSEA98PSY39CPSY39B	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
PSY43C	PSYSEA98PSY43CPSY43A	23	60	10 U	234	181	27	655	1180 T	20	199	169	213	177	390 T	61	240	632	81	545	2340 T	3520 T
PSY43C	PSYSEA98PSY43CPSY43B	10 U	10 U	10 U	66	10 U	10 U	58	124 T	10 U	33	31	39	40	79 T	13	46	71	17	80	370 T	494 T
PSY50C	PSYSEA98PSY50CPSY50A	10 UG	10 UG	10 UG	10 UG	10 UG	10 UG	37 G	37 T	10 UG	36 UG	37 G	53 G	34 G	87 T	23 G	51 G	115 UG	22 G	116 G	336 T	373 T
PSY50C	PSYSEA98PSY50CPSY50B	10 UG	10 UG	10 UG	10 UG	10 UG	13 G	655 G	668 T	10 UG	19 G	18 G	24 G	19 G	43 T	12 G	30 G	75 G	11 G	82 G	290 T	958 T
SED10	RIEDEL97SED10D102.5	62 GH	91 GH	61 GH	144 GH	112 GH	147 GH	710 GH	1330 T	46 GH	343 GH	160 GH	196 GH	134 GH	330 T	103 GH	360 GH	1100 GH	159 GH	990 GH	3590 T	4920 T
SED10	RIEDEL97SED10ED1010	22	5 U	5 U	5 U	5 U	8	5 U	38 T	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	38 T
SED10	RIEDEL97SED10ED105	40	26	74	57	42	150	231	620 T	11	67	86	51	58	109 T	75	95	218	65	292	1020 T	1640 T
SED16	RIEDEL97SED16D162.5	12 GH	6 GH	5 UGH	15 GH	8 GH	16 GH	47 GH	104 T	12 GH	43 GH	32 GH	32 GH	23 GH	55 T	29 GH	45 GH	83 GH	39 GH	68 GH	406 T	510 T
SED16	RIEDEL97SED16ED1610	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	12	5 U	5 U	5 U	5 U	12 T	12 T
SED16	RIEDEL97SED16SED165	40	99	13	182	166	63	2700	3260 T	76	520	391	328	324	652 T	273	820	1800	333	1800	6670 T	9930 T
DMMU1	TOSCO99DMMU1SDO1	64	92	20 U	110	160	30	570	1030 T	30	220	160	190	110	300 T	99	280	540	170	510	2310 T	3340 T
DMMU1	TOSCO99DMMU1SDO3	65	130	26	93	250	34	660	1260 T	28	180	120	120	91	211 T	86	190	510	140	500	1970 T	3230 T
DMMU2	TOSCO99DMMU2SDO4	28	37	14	37	50	22	240	428 T	12	94	73	70	50	120 T	56	110	280	88	300	1130 T	1558 T
SD01	WLCAYH00SD01SD01D	0.7 J	15 U	2 J	15 U	0.9 J	3 J	5 J	11.6 JT	30 U	2 J	15 U	2 J	15 U	2 T	30 U	2 J	6 J	1 J	4 J	17 JT	28.6 JT
SD02	WLCAYH00SD02SD02D	7 J	15 U	10 J	5 J	10 J	10 J	58 J	100 JT	8 J	52	56	63 J	22	85 T	53	74	130 J	52	150 J	660 JT	760 JT
SD04	WLCAYH00SD04SD04D	2 J	9 J	7 J	15 J	8 J	6 J	63 J	110 JT	5 J	37	29	41 J	10 J	51 T	20 J	45	120 J	20 J	100 J	427 JT	537 JT
CB1020304	WLCCIF010203040 20304	10 J	14 J	8.5 J	23	18 J	10 J	97	181 JT	14	50	66	90	26	116 T	65	71	87	60	83	612 T	793 JT
T01	WLCCIF01T01T01	5.1 J	20	2.5 J	46	29	8.1 J	240	351 JT	97	310	430	580	190	770 T	350	400	380	370	350	3460 T	3811 JT
T02	WLCCIF01T02T02	9.8 J	10 J	12 J	26	13 J	21	120	212 JT	22	86	110	150	51	201 T	100	120	160	100	170	1070 T	1282 JT
T03	WLCCIF01T03T03	4.3 U	6.7 J	25	48	11 J	5.8 J	120	217 JT	23	120	120	170	52	222 T	70	130	190	82	160	1120 T	1337 JT
T04	WLCCIF01T04T04	12 J	6.1 J	13 J	22 J	9.2 J	20 J	65 J	147 JT	7.9 J	29 J	40 J	61 J	18 J	79 T	36 J	50 J	71 J	29 J	99 J	441 JT	588 JT
SD0101	WLCCPF01SD0101SD139F	4.57	25.9	15.6	29.7	29.3	5.34	109	219 T	20.2	73.6	58.3	107	31.3	138 T	47.6	114	164	54.1	148	818 T	1037 T
SD0101	WLCCPF01SD0101SD141F	20.5	404	6 U	69	339	6 U	909	1740 T	23.4	39.8	34.5	46.2	9.36	55.6 T	31.6	47.4	367	42.1	254	895 T	2635 T

BZTO104(e)028844

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
SD0101	WLCCPF01SD0101SD1S1C	18.6 U	62.1 U	62.1 U	128	62.1 U	62.1 U	290	418 T	165	356	273	430	141	571 T	215	641	1460	306	1120	5110 T	5528 T
SD0102	WLCCPF01SD0102SD239F	6.38	19.1	20.7	43	25.5	9.56	124	248 T	39.9	155	109	193	64.6	258 T	85.3	171	285	100	278	1480 T	1728 T
SD0102	WLCCPF01SD0102SD241F	5.84	16.8	10.9	20.4	16.8	16.1	90.5	177 T	31.4	54.7	58.4	83.9	16.8	101 T	53.3	56.2	169	65	154	743 T	920 T
SD0103	WLCCPF01SD0103SD339F	5.42	18.6	11.6	31.8	23.2	6.97	122	220 T	35.6	79	79	114	36.4	150 T	69.7	92.2	180	82.1	176	944 T	1164 T
SD0103	WLCCPF01SD0103SD341F	9.27	48.5	18.5	34.2	67	8.56	222	408 T	32.1	67.7	65.6	99.1	23.8	122 T	57.8	82	202	69.9	187	886 T	1294 T
SD0103	WLCCPF01SD0103SD381C	9.34	19.5	12.7 U	22.1	25.5	12.7 U	114	190 T	36.5	56.9	67.1	90.9	22.9	114 T	62.8	54.3	169	77.3	155	793 T	983 T
SD0104	WLCCPF01SD0104SD439F	17.2	59.1	19.5	50.1	72.6	23.2	254	496 T	33.7	78.6	71.8	110	29.9	140 T	62.9	92.1	278	74.8	240	1070 T	1566 T
SD0104	WLCCPF01SD0104SD441F	1.8 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UT	6 U	6 U	6 U	6 U	6 U	6 UT	22.3	6 U	6 U	35.8	6 U	58.1 T	58.1 T
SD0104	WLCCPF01SD0104SD431C	4.53	9.81	6.79	16.6	11.3	7.54	67.1	124 T	33.2	50.5	64.1	86	21.9	108 T	61.1	52.8	133	73.2	127	703 T	827 T
SD0105	WLCCPF01SD0105SD539F	22.3	46.7	22.3	46	52.6	17.1	197	404 T	30.2	69	71	92.6	22.3	115 T	67.7	71	204	72.9	230	931 T	1335 T
SD0105	WLCCPF01SD0105SD541F	0.998	3 U	3 U	7.48	3 U	3 U	16.7	25.2 T	11.5	39.2	29.4	32.9	11.2	44.1 T	17	32.9	50.9	23.7	66.1	315 T	340.2 T
WR-VC-03	WLCDRD05VC00303	4.1	12	6.3	11	7.6	12	47	100 T	11	45	67	52	42	94 T	63	59	87	60	90	576 T	676 T
WR-VC-04	WLCDRD05VC00404	15	40	35	36	29	39	140	334 T	46	170	330	200	180	380 T	310	210	250	290	290	2280 T	2614 T
WR-VC-05	WLCDRD05VC00505	12	23	9.5	27	15	33	110	230 T	32	130	180	160	120	280 T	160	160	250	160	240	1590 T	1820 T
WR-VC-06	WLCDRD05VC00606	17	33	38	46	26	57	200	417 T	47	200	330	220	200	420 T	310	240	390	320	430	2690 T	3107 T
WR-VC-07	WLCDRD05VC00707	13	23	11	28	19	30	120	244 T	29	120	170	140	110	250 T	140	140	250	160	230	1490 T	1734 T
WR-VC-08	WLCDRD05VC00808	41	55	32	70	51	120	340	709 T	42	180	280	190	170	360 T	280	240	520	290	550	2740 T	3449 T
WR-VC-09	WLCDRD05VC00909	5.9	28	6.3	23	16	17	90	186 T	27	110	150	130	100	230 T	120	130	200	150	190	1310 T	1496 T
WR-VC-10	WLCDRD05VC01010	20	56	27	75	40	52	500	770 T	49	330	380	260	240	500 T	300	360	1000	320	1300	4540 T	5310 T
WR-VC-11	WLCDRD05VC01111	10	44	8.1	41	24	27	170	324 T	61	240	330	280	220	500 T	250	270	440	310	370	2770 T	3094 T
WR-VC-12	WLCDRD05VC01212	38	130	48	90	87	89	580	1060 T	69	330	500	310	290	600 T	470	420	810	490	890	4580 T	5640 T
WR-VC-13	WLCDRD05VC01313	15	65	6	62	43	26	340	557 T	100	380	500	480	360	840 T	390	450	780	490	580	4510 T	5067 T
WR-VC-14	WLCDRD05VC01414	35	320	37	150	240	58	840	1680 T	53	280	400	250	260	510 T	360	370	820	380	810	3980 T	5660 T
WR-VC-15	WLCDRD05VC01515	12	26	8.3	23	17	28	110	224 T	24	100	140	120	91	211 T	110	130	230	130	210	1290 T	1514 T
WR-VC-16	WLCDRD05VC01616	12	79	29	42	45	28	300	535 T	42	190	310	210	180	390 T	280	240	440	300	470	2660 T	3195 T
WR-VC-17	WLCDRD05VC01717	15	70	13	35	56	59	190	438 T	38	180	260	210	150	360 T	200	210	300	210	290	2050 T	2488 T
WR-VC-18	WLCDRD05VC01818	20	34	23	38	28	62	170	375 T	36	150	240	170	140	310 T	240	180	330	250	350	2090 T	2465 T
WR-VC-19	WLCDRD05VC01919	11	25	12	37	18	44	140	287 T	49	200	270	230	210	440 T	220	240	360	260	340	2380 T	2667 T
WR-VC-20	WLCDRD05VC02020	12	38	19	31	27	35	150	312 T	29	130	220	150	120	270 T	200	160	270	190	290	1760 T	2072 T
WR-VC-22	WLCDRD05VC02222	8.9	17	15	22	14	28	88	193 T	24	110	170	120	110	230 T	160	140	220	170	230	1450 T	1643 T
WR-VC-23	WLCDRD05VC02323	30	110	31	140	74	65	630	1080 T	72	390	500	370	300	670 T	380	440	840	420	710	4420 T	5500 T
WR-VC-24	WLCDRD05VC02424	6.1	13	8.1	17	10	18	67	139 T	19	73	120	88	72	160 T	120	93	160	120	160	1030 T	1169 T
WR-VC-26	WLCDRD05VC02626	12	21	19	31	18	40	120	261 T	29	120	190	140	110	250 T	190	150	250	200	270	1650 T	1911 T
WR-VC-28	WLCDRD05VC02828	26	49	23	45	39	73	230	485 T	31	160	280	180	150	330 T	300	210	380	270	400	2360 T	2845 T
WR-VC-29	WLCDRD05VC02929	2.2 J	4.2	1.8 J	4.3	3.8	9.8 U	23	39.3 JT	4.6	21	25	22	21	43 T	23	26	45	20	41	249 T	288.3 JT
WR-VC-30	WLCDRD05VC03030	20	49	25	55	38	47	280	514 T	38	180	290	200	170	370 T	270	240	470	270	450	2580 T	3094 T
WR-VC-31	WLCDRD05VC03131	1.4 J	4.4	2.7	15	2.4 J	5.1 U	23	48.9 JT	4.1	26	28	20	21	41 T	19	32	49	20	47	266 T	314.9 JT
WR-VC-32	WLCDRD05VC03232	17	39	22	35	28	44	180	365 T	31	170	280	190	140	330 T	260	260	340	250	370	2290 T	2655 T
WR-VC-33	WLCDRD05VC03333	0.77 J	1.2 J	1.2 J	2.2	1.4 J	2.8 U	60 J	66.8 JT	3.2	12	24	37 J	29	66 T	20	48 J	120 J	23	83 J	399 JT	465.8 JT
WR-VC-34	WLCDRD05VC03434	19	36	27	57	30	55	200	424 T	42	190	310	210	170	380 T	300	240	390	280	410	2540 T	2964 T
WR-VC-35	WLCDRD05VC03535	4.9	5.3	4.3	6.1	4.4	18	28	71 T	4.4	25	30	24	22	46 T	25	30	53	22	55	290 T	361 T
WR-VC-36	WLCDRD05VC03636	27	48	33	63	41	81	270	563 T	56	240	390	270	250	520 T	380	300	540	390	600	3420 T	3983 T
WR-VC-37	WLCDRD05VC03737	6.2	12	3.4	9.9	9.8	20	60	121 T	14	80	75	74	57	131 T	57	79	120	62	99	717 T	838 T
WR-VC-39	WLCDRD05VC03939	1.1 J	3.1	1.1 J	2.8	2 J	3.2 U	15	25.1 JT	4.4	18	24	24	16	40 T	20	25	31	22	28	212 T	237.1 JT
WR-VC-41	WLCDRD05VC04141	0.76 J	0.66 J	1 J	1.5 J	0.85 J	2.6 U	8.6	13.4 JT	1.5 J	8.7	11	10	8	18 T	10	12	20	9.9	19	110 JT	123.4 JT
WR-VC-42	WLCDRD05VC04242	24	98	19	35	36	110	410	732 T	19	150	200	120	120	240 T	180	190	400	190	470	2040 T	2772 T
WR-VC-43	WLCDRD05VC04343	0.81 J	0.96 J	0.82 J	3.2	1 J	3.2 U	12	18.8 JT	2.1 J	12	13	11	9.2	20.2 T	11	14	25	10	23	130 JT	148.8 JT
WR-VC-45	WLCDRD05VC04545	3.4	12	1.7 J	8.9	6.6	11 U	54	86.6 JT	17	56	78	79	54	133 T	64	74	110	74	87	693 T	779.6 JT
WR-VC-46	WLCDRD05VC04646	110	930	230	570	600	590	9000	12000 T	520	3800	6700	3800	3000	6800 T	6500	5000	13000	6200	15000	63500 T	75500 T
WR-VC-47	WLCDRD05VC04747	1.2 J	0.94 J	1.5 J	2.3 J	1.1 J	4 U	12	19 JT	2.5	14	17	17	13	30 T	15	19	30	15	28	171 T	190 JT
WR-VC-49	WLCDRD05VC04949	9	10	2.9	9.5	9.2	14	51	106 T	12	48	60	58	45	103 T	48	65	98	53	81	568 T	674 T
WR-VC-50	WLCDRD05VC05050	78000	52000	3600	34000	38000	160000	210000	576000 T	2600	27000	32000	18000	15000	33000 T	24000	32000	100000	24000	130000	405000 T	981000 T
WR-VC-51	WLCDRD05VC05151	1.7 J	3	1.7 J	7.8	5.3	4.1 U	48	67.5 JT	5.7	28	30	27	25	52 T	24	36	72	25	59	332 T	399.5 JT
WR-VC-52	WLCDRD05VC05252	41000	55000	3300	26000	28000	170000	150000	473000 T	2000	20000	26000	15000	13000	28000 T	20000	24000	79000	19000	96000	314000 T	787000 T
WR-VC-53	WLCDRD05VC05353	2.1	2.2	2	4.1	2	5.3 U	20	32.4 T	5.3	22	27	26	20	46 T	27	32	46	27	41	273 T	305.4 T
WR-VC-54	WLCDRD05VC05454	1300	7000	220	6100	5800	200	20000	40600 T	170	2300	1900	1200	1100	2300 T	1400	2600	9600	1400	9400	31100 T	71700 T
WR-VC-55	WLCDRD05VC05555	2.9	1.8 J	0.83 J	2.9	1.5 J	8.2 U	15	24.9 JT	1.7 J	9.4	10	9.3	7	16.3 T	8.3	12	21	8.5	18	105 JT	129.9 JT
WR-VC-56	WLCDRD05VC05656	130	780	87	1100	700	200	5900	8900 T	160	1300	1900	1100	910	2010 T	1700	1600	4800	1500	5800	20800 T	29700 T
WR-VC-57	WLCDRD05VC05757	1.5 J	14	1.3 J	1.4 J	2.5	1.4 J	5.2 U	13	21.1 JT	3.2	14	18	17	14	31 T	16	20	15	27	171 T	192.1 JT
WR-VC-58	WLCDRD05VC05858	21	66	84	130	78	56	330	765 T	77	270	620	410	300	710 T	560	440	650	580	780	4690 T	5455 T
WR-VC-59	WLCDRD05VC05959	11	40	2.2	160	38	11 U	700	951 T	97	540	550	480	350	830 T	340	560	1200	420	960	5500 T	6451 T
WR-VC-60	WLCDRD05VC06060	150	4400	29	480	2100	190	4400	11700 T	25	410	230	190	170	360 T	130	430	2300	130	2200	6220 T	17920 T
WR-VC-61	WLCDRD05VC06161	3.4	3.7	7.3	8.1	3.5	8.1 U	33	59 T	7.5	33	54	53	49	102 T	52	63	120	50	100	582 T	641 T
WR-VC-62	WLCDRD05VC06262	15	56	11	23	33	35	68	241 T	13	65	85	63	53	116 T	78	86	170	74	160	847 T	1088 T
WR-VC-64	WLCDRD05VC06464	3.2	4.7	5	9.3	4.6	14 U	29	55.8 T	7	38	55	45	31	76 T	54	55	62	51	67	465 T	520.8 T
WR-VC-66	WLCDRD05VC06666	3	4.5	3.8	6.3	3.9	15 U	26	47.5 T	5.7	32	47	41	32	73 T	46	41	61	43	64	413 T	460.5 T
WR-VC-68	WLCDRD05VC06868	4.3	5.4	4.3	8.3	5.6	20	31	78.9 T	5.5	31	45	39	32	71 T	42	45	64	39	64	407 T	485.9 T
WR-VC-70	WLCDRD05VC07070	3.9	4.4	4	6.2	4.6	14 U	28	51.1 T	6.5	28	39	36	27	63 T	38	39	59	34	60	367 T	418.1 T
WR-VC-72	WLCDRD05VC07272	3.7	4.6	2.8	6.8	4.2	16	28	66.1 T	4.3	22	28	26	21	47 T	30	35	49	24	50	289 T	355.1 T
WR-VC-106	WLCDRD05VC106106	8.9	8.9	2.8	16	8.9	12 U	69	115 T	7.3	64	61	56	47	103 T	38	79	130	41	120	643 T	758 T
WR-VC-108	WLCDRD05VC108108	15	14	13	18	13	15	78	166 T	9.3	54	74	61	55	116 T	83	77	140	74	130	757 T	923 T
WR-VC-110	WLCDRD05VC110110	65 J	200 J	53 J	200 J	210 J	130 J	1500 J	2360 JT	90 J	460 J	500 J	390 J	350 J	740 T	350 J	620 J	1400 J	370 J	1100 J	5630 JT	7990 JT
WR-VC-114	WLCDRD05VC114114	1.6 J	5	3.5	6.4	5.4	6.2 U	29	50.9 JT	4.2	22	25	31	22	53 T	20	43	49	21	40	277 T	327.9 JT
WR-VC-116	WLCDRD05VC116116	1.5 J	1.3 J	1.7 J	2.1 J	1.5 J	7.1 U	11	19.1 JT	2 J	9.7	12	10	8.7	18.7 T	11	13	22	9.7	21	119 JT	138.1 JT
WR-VC-118	WLCDRD05VC118118	7.4	3.9	4.8	5.8	4.4	17	31	74.3 T	3.9	23	27	24	20	44 T	22	31	57	22	53	283 T	357.3 T
WR-VC-120	WLCDRD05VC120120	1.6 J	1.6 J	2.1 J	3.1	1.8 J	5.4 U	13	23.2 JT	2.1 J	11	14	12	10	22 T	13	17	24	12	24	139 JT	162.2 JT
WR-VC-122	WLCDRD05VC122122	0.78 J	0.87 J	0.75 J	1.4 J	0.78 J	3.1 U	5.7	10.3 JT	1.9 J	8.2	11	16	12	28 T	9.9	18	27	9.9	23	137 JT	147.3 JT
WR-VC-124	WLCDRD05VC124124	1 J	1.3 J	1.7 J	2.4 J	1.3 J	3.2 U	12	19.7 JT	2.1 J	11	14	12	11	23 T	13	16	25	12	25	141 JT	160.7 JT
WR-VC-126	WLCDRD05VC126126	2.7	3.7	5.8	5.6	3.3	10	29	60.1 T	4	19	30	23	19	42 T	33	28	48	31	54	289 T	349.1 T
WR-VC-128	WLCDRD05VC128128	2.6	4.7	5	5.2	3.4	10	27	57.9 T	2.4 J	15	20	16	13	29 T	21	21	44	19	46	217 JT	274.9 JT
WR-VC-130	WLCDRD05VC130130	10	23	8.3	15	16	15	90	177 T	6.5	38	46	33	33	66 T	34	47	110	37	100	485 T	662 T
WR-VC-132	WLCDRD05VC132132	16	15	11	28	14	33	84	201 T	13	89	99	83	65	148 T	56	97	150	65	130	847 T	1048 T
WR-VC-134	WLCDRD05VC134134	4.5	15	4.4	9	8.6	9.1	43 J	93.6 JT	4	27	34	25	23	48 T	30	35	56 J	30	64 J	328 JT	421.6 JT
C01-03	WLCDRI03C01-03CSS01	49	50	12	32	35	200	150	528 T	10 J	51	70	48	48	96 T	63	65	130	55	150	690 JT	1218 JT
C04-06	WLCDRI03C04-06CSS02	9 J	19	10 J	27	25	20	120	230 JT	16	73	86	93	64	157 T	48	88	160	63	140	831 T	1061 JT
C07-08	WLCDRI03C07-08CSS03	11	8.7 J	8.7 J	11	13	32	45	129 JT	4.1 U	23	26	31	20	51 T	30	35	59	21	58	303 T	432 JT
C09-11	WLCDRI03C09-11CSS04	3.6 J	3 J	5.9 J	5.8 J	5.2 J	14	23	60.5 JT	4.4 U	14	14	16	13	29 T	16	18	33	14	33	171 T	231.5 JT
C12-14	WLCDRI03C12-14CSS05	3 J	3.1 J	3.9 J	4.5 J	5 J	10 J	19	48.5 JT	4.5 U	12 J	18	15	11	26 JT	15	15	26	12	27	151 JT	199.5 JT
C15-17	WLCDRI03C15-17CSS06	6.7 J	5 J	7 J	5.4 J	5 J	23	24	76.1 JT	4.1 U	14	18	17	16	33 T	18	21	36	13	34	187 T	263.1 JT
C18-20	WLCDRI03C18-20CSS07	2.5 U	2.1 U	2.9 U	3.1 J	3.5 U	5.7 J	10 J	18.8 JT	4.5 U	8 J	7 J	8.3 J	7.7 J	16 JT	4.7 U	9.3 J	17	5.6 J	17	79.9 JT	98.7 JT
C21-23	WLCDRI03C21-23CSS08	2.3 U	2 U	2.7 U	4.7 J	3.3 U	6.8 J	15	26.5 JT	4.3 U	14	13	19	13	32 T	4.4 U	18	26	10 J	28	141 JT	167.5 JT
C24-26	WLCDRI03C24-26CSS09	4.7 J	4.7 J	6.1 J	10 J	5.2 J	11	32	73.7 JT	4.3 U	26	19	22	24	46 T	4.5 U	34	46	11	44	226 T	299.7 JT
C27-29	WLCDRI03C27-29CSS10	3.8 J	1.9 U	4.2 J	4.1 J	4.9 J	12	19	48 JT	4.2 U	10 J	7.2 J	15	9.2 J	24.2 JT	4.4 U	14	28	7.5 J	20	111 JT	159 JT
C30-32	WLCDRI03C30-32CSS11	3.6 J	1.9 U	6.6 J	5.4 J	4.3 J	15	17	51.9 JT	4.1 U	16	3 U	25	14	39 T	4.3 U	18	22	3.6 U	11	106 T	157.9 JT
C33-35	WLCDRI03C33-35CSS12	2.8 J	1.9 U	2.7 U	3.9 J	3.3 U	7.7 J	11	25.4 JT	4.2 U	9.1 J	11	9.7 J	6.6 J	16.3 JT	12	10 J	18	11 J	17	104 JT	129.4 JT

BZTO104(e)028845

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
C36-38	WLCDRI03C36-38CSS13	2.4 U	2 U	2.7 U	2.7 U	3.3 U	2.5 U	5.3 J	5.3 JT	4.3 U	5.7 J	10 J	6.2 J	4.9 U	8.65 JT	5.7 J	8.1 J	11	7.1 J	8.1 J	61.9 JT	67.2 JT
C39-41	WLCDRI03C39-41CSS14	3.8 J	2.8 J	4.4 J	4.4 J	4 J	10 J	20	49.4 JT	4.3 U	15	7.4 J	12	13	25 T	4.5 U	16	33	8.1 J	22	127 JT	176.4 JT
C42-44	WLCDRI03C42-44CSS15	2.4 U	2 U	2.8 U	3.2 J	3.4 U	5 J	12 J	20.2 JT	4.4 U	7.7 J	10 J	11 J	6 J	17 T	14	11 J	19	6.8 J	19	105 JT	125.2 JT
C45-47	WLCDRI03C45-47CSS16	2.4 U	2 U	3 J	5.7 J	3.4 U	5.1 J	14	27.8 JT	4.4 U	14	12 J	10 J	13	23 T	12	22	21	9.8 J	20	134 JT	161.8 JT
C48-50	WLCDRI03C48-50CSS17	2.6 J	2.1 U	2.9 U	4.7 J	3.5 U	5.2 J	13	25.5 JT	4.5 U	9 J	13	12 J	7.8 J	19.8 T	12 J	13	23	12	20	122 JT	147.5 JT
C51-52	WLCDRI03C51-52CSS18	2.5 U	2.1 U	2.9 U	5.4 J	3.6 U	4.2 J	15	24.6 JT	4.6 U	12 J	12	13	11 J	24 T	14	15	29	11 J	25	142 JT	166.6 JT
HC-VC-53	WLCDRI03HCVC53CSS19	3 J	4.2 J	10	11	6.4 J	6.4 J	45	86 JT	6.8 J	37	57	44	39	83 T	62	52	110	50	110	568 JT	654 JT
AN-1-1	WLCGSD01AN0101_10-20		30000 J	1600	22000	14000	1900 J	83000	153000 JT	1600	15000	20000	8800	14000	22800 T	15000	21000	66000	11000	75000	247000 T	400000 JT
AN-1-1	WLCGSD01AN0101_30-40		17000 J	720	8900	7900	3800 J	41000	79300 JT	730	8300	10000	5100	6500	11600 T	7500	11000	29000	6100	34000	118000 T	197300 JT
AN-1-2	WLCGSD01AN0102_10-20		170000 J	5800	72000	64000	100000 J	380000	792000 JT	4800	48000	66000	33000	42000	75000 T	47000	66000	200000	41000	270000	818000 T	1610000 JT
AN-1-2	WLCGSD01AN0102_30-40		25000 J	900	22000	21000	20000 J	120000	209000 JT	1400	17000	19000	11000	13000	24000 T	15000	23000	63000	12000	81000	255000 T	464000 JT
AN-1-3	WLCGSD01AN0103_10-20		68000 J	4400	79000	65000	15000 J	400000	631000 JT	5100	58000	58000	31000	35000	66000 T	40000	79000	180000	32000	240000	758000 T	1389000 JT
AN-1-3	WLCGSD01AN0103_30-40		580000 J	9000 J	250000	260000	1900000 J	1300000	4300000 JT	10000 J	120000	130000	65000	92000	157000 T	90000	160000	480000	76000	670000	1890000 JT	6190000 JT
AN-1-5	WLCGSD01AN0105_10-20		4 J	2 U	2 J	2 U	8.1 J	9.2	23.3 JT	3 U	3 J	3 J	2 U	3 U	3 UT	3 J	4 J	7.3	3 J	8.8	32.1 JT	55.4 JT
AN-1-5	WLCGSD01AN0105_30-40		2 UJ	2 U	2 U	2 U	3 UJ	5 J	5 JT	3 U	2 U	3 U	2 U	3 U	3 UT	2 U	3 U	6 J	1 J	8.5	15.5 JT	20.5 JT
AN-2-1	WLCGSD01AN0201_10-20		55000	1900	29000	24000	120000	170000	400000 JT	2100	24000	29000	15000	20000	35000 T	20000	30000	89000	17000	130000	376000 T	776000 JT
AN-2-1	WLCGSD01AN0201_30-40		10000	860	5700	4000	2000	23000	45600 JT	1100	9400	13000	7000	9100	16100 T	11000	13000	27000	8500	41000	140000 T	185600 JT
AN-2-2	WLCGSD01AN0202_10-20		30000	1800	35000	27000	7200	180000	281000 JT	1300	20000	17000	7500	12000	19500 T	11000	27000	61000	8200	100000	265000 T	546000 JT
AN-2-2	WLCGSD01AN0202_30-40		25000	660	16000	17000	3500	75000	137000 JT	1000	11000	13000	6400	8100	14500 T	9500	16000	34000	7700	49000	156000 T	293000 JT
AN-2-3	WLCGSD01AN0203_10-20		30000	1300	21000	17000	43000	100000	212000 JT	1400	15000	18000	9300	11000	20300 T	15000	20000	55000	11000	77000	233000 T	445000 JT
AN-2-3	WLCGSD01AN0203_30-40		17000	790	13000	10000	25000	65000	131000 JT	1200	10000	14000	7200	9100	16300 T	12000	14000	34000	9400	49000	160000 T	291000 JT
AN-2-4	WLCGSD01AN0204_10-20		67000	2300	36000	32000	17000	200000	354000 JT	2200	26000	32000	16000	21000	37000 T	23000	34000	96000	19000	140000	409000 T	763000 JT
AN-2-4	WLCGSD01AN0204_30-40		85000	4200	56000	55000	17000	330000	547000 JT	2800	36000	37000	19000	25000	44000 T	26000	48000	130000	20000	180000	524000 T	1071000 JT
AN-2-5	WLCGSD01AN0205_10-20		2 U	2 U	2 U	2 U	3 U	2 U	3 UT	3	2 U	3 U	2 U	4 J	4 T	2 U	7.7	11	0.7 U	17	42.7 JT	42.7 JT
AN-2-5	WLCGSD01AN0205_30-40		2 U	2 U	2 U	2 U	3 U	2 U	3 UT	2 U	2 U	3 U	2 U	3 U	3 UT	2 U	3 U	2 U	0.7 U	2 U	3 UT	3 UT
RAA-02	WLCGSG04RAA02SD1019	65000	200000	9900	95000	60000	640000	440000	1510000 T	12000	89000	130000	110000	36000	146000 T	120000	110000	330000	100000	400000	1440000 T	2950000 T
RAA-04	WLCGSG04RAA04SD0506	510000	710000	99000	400000	360000	1600000	2200000	5880000 T	22000	290000	340000	200000	210000	410000 T	260000	380000	1100000	220000	1500000	4520000 T	10400000 T
RAA-05	WLCGSG04RAA05SD1020	260	1000	120	780	360	1100	4000	7620 T	110	940	1800	1100	980	2080 T	2000	1300	4500	1700	5700	20100 T	27720 T
RAA-06	WLCGSG04RAA06SD0415	7500	47000	3000	28000	15000	26000	150000	277000 T	2000	24000	35000	20000	21000	41000 T	33000	30000	97000	28000	150000	440000 T	717000 T
RAA-06	WLCGSG04RAA06SD1520	7.2 J	100	36	110	34	56	660	1000 JT	39 J	280	610	540	140	680 T	680	380	1300	530	1600	6100 JT	7100 JT
RAA-08	WLCGSG04RAA08SD0720	140	200	90	140	120	650	640	1980 T	17	140	200	120	110	230 T	160	160	410	160	480	1960 T	3940 T
RAA-09	WLCGSG04RAA09SD0516	210000	230000	170000	160000	140000	140000	910000	3220000 T	17000	130000	170000	50000	48000	198000 T	140000	170000	520000	130000	590000	2070000 T	5290000 T
RAA-10	WLCGSG04RAA10SD1020	31000	120000	4900	63000	44000	140000	280000	683000 T	7100	50000	67000	58000	17000	75000 T	63000	63000	200000	52000	230000	807000 T	1490000 T
RAA-11	WLCGSG04RAA11SD1320	645 T	1750 T	245 T	980 T	630 T	2150 T	4700 T	11100 T	104 T	1010 T	1950 T	1150 T	1000 T	2150 T	2400 T	1400 T	5300 T	1950 T	6800 T	23100 T	34200 T
RAA-12	WLCGSG04RAA12SD1820	2300	14000	640 J	9600	5600	2000	44000	78100 JT	860 J	7900	11000	9900	2900	12800 T	11000	10000	33000	8900	39000	134000 JT	212100 JT
RAA-13	WLCGSG04RAA13SD1115	440000	830000	140000	420000	340000	3200000	2200000	7570000 T	48000	340000	450000	390000	130000	520000 T	370000	420000	1300000	330000	1400000	5180000 T	12750000 T
RAA-14	WLCGSG04RAA14SD1014	1600000	1400000	190000	550000	590000	6300000	3200000	13800000 T	33000	410000	500000	290000	330000	620000 T	390000	500000	1600000	330000	2200000	6580000 T	20380000 T
RAA-14	WLCGSG04RAA14SD1420	39	150	12	56	45	220	260	782 T	5.4 J	42	60	53	16	69 T	56	80	150	47	170	679 JT	1461 JT
RAA-17	WLCGSG04RAA17SD0010	11000	61000	3400	32000	20000	96000	150000	373000 T	4100	29000	43000	37000	10000	47000 T	38000	35000	120000	31000	140000	487000 T	860000 T
RAA-17	WLCGSG04RAA17SD1420	160	120000	57	56000	300	93000	320000	590000 T	100	78000	130000	110000	260	110000 T	130000	93000	310000	110000	380000	1340000 T	1930000 T
RAA-19	WLCGSG04RAA19SD0920	15	370	8	9.4	12	36 J	47	497 JT	1.6 J	16	22	16	13	29 T	21	23	47	16	64	240 JT	737 JT
S1	WLCGXV99S1S1_30	330 U	330 U	330 U	330 U	330 U	330 U	330 U	330 UT	330 U	330 U	330 U	330 U	330 U	330 UT	330 U	330 U	330 U	330 U	330 U	330 UT	330 UT
S2	WLCGXV99S2S2_30	3550 U	3550 U	3550 U	3550 U	3550 U	3550 U	3550 U	3550 UT	3550 U	3550 U	3550 U	3550 U	3550 U	3550 UT	3550 U	3550 U	3550 U	3550 U	3550 U	3550 UT	3550 UT
S3	WLCGXV99S3S3_30	1650 U	1650 U	1650 U	1650 U	1650 U	1650 U	1670	1670 T	1650 U	1650 U	1650 U	1650 U	1650 U	1650 UT	1650 U	1650 U	1650 U	1650 U	1840	1840 T	3510 T
S3	WLCGXV99S3S3_30R	1650 U	1650 U	1650 U	1650 U	1650 U	1650 U	2580	2580 T	1650 U	1650 U	1650 U	1650 U	1650 U	1650 UT	1650 U	1650 U	1730	1650 U	2250	3980 T	6560 T
S4	WLCGXV99S4S4_30	660 U	660 U	660 U	660 U	660 U	660 U	1290	1290 T	660 U	660 U	660 U	660 U	660 U	660 UT	660 U	660 U	1270	660 U	1480	2750 T	4040 T
SDC-SS01	WLCITC03SS010007	100	85	42	95	76	270	360	1030 T	41	180	260	220	170	390 T	210	230	350	200	460	2320 T	3350 T
SDC-SS01	WLCITC03SS010708	0.28 U	0.28 U	0.21 U	0.25 U	0.23 U	0.28 U	0.2 U	0.28 UT	0.24 U	0.17 U	19.1 U	0.19 U	0.2 U		0.31 J	0.2 U	0.23 U	0.2 U	0.15 U	0.31 JT	0.31 JT
SDC-SS01	WLCITC03SS010710C	1.6 U	1.3 U	1.8 U	1.8 U	2.2 U	1.7 U	1.7 U	2.2 UT	2.9 U	1.8 U	2.1 U	3.2 U	3.2 U	3.2 UT	3 U	1.8 U	2.9 U	2.5 U	1.7 U	3.2 UT	3.2 UT
SDC-SS01	WLCITC03SS011011	0.28 U	0.28 U	0.21 U	0.25 U	0.23 U	0.28 U	0.2 U	0.28 UT	0.24 U	0.17 U	0.19 U	0.19 U	0.2 U		0.14 U	0.2 U	0.23 U	0.2 U	0.15 U	0.24 UT	0.28 UT
SDC-SS02	WLCITC03SS020013	290	350	130	340	290	740	1400	3540 T	92 J	560	790	510	460	970 T	740	710	1400	620	2100	7980 JT	11520 JT
SDC-SS02	WLCITC03SS021314	38	35	37	85	37	180	380	792 T	26	230	420	260	220		370	300	660	350	950	3790 T	4582 T
SDC-SS02	WLCITC03SS021517C	1.6 U	1.3 U	1.8 U	1.8 U	2.2 U	1.7 U	2.4 J	2.4 JT	2.8 U	2.4 J	2.4 J	3.2 U	3.2 U	3.2 UT	3 U	2.5 J	3.9 J	2.5 U	5.6 J	16.8 JT	19.2 JT
SDC-SS02	WLCITC03SS021617	0.65 J	0.33 J	1 J	3.6 J	0.76 J	5 J	9.7	21 JT	0.98 J	11	12	7.9	8.6		8.2	13	19	7.2	26	114 JT	135 JT
SDC-SS03R	WLCITC03SS03R0102	0.27 U	0.27 U	0.21 U	0.39 J	0.22 U	0.43 J	1.1 J	1.92 JT	0.37 J	1.3 J	1.4 J	1.3 J	1.3 J		1.7 J	1.9 J	2.3 J	1.6 J	2.9 J	16.1 JT	18.02 JT
SDC-SS03R	WLCITC03SS03R0204C	1.6 UJ	1.4 UJ	1.9 UJ	1.9 UJ	2.3 UJ	1.7 UJ	1.7 UJ	2.3 UJT	2.9 UJ	1.9 UJ	2.1 UJ	3.3 UJ	3.3 UJ	3.3 UJT	3 UJ	1.9 UJ	2.9 UJ	2.5 UJ	1.7 UJ	3.3 UJT	3.3 UJT
SDC-SS03R	WLCITC03SS03R0506	0.28 U	0.28 U	0.22 U	0.26 U	0.23 U	0.28 U	0.2 U	0.28 UT	0.49 J	0.18 U	0.19 U	0.19 U	0.2 U		0.74 J	0.2 U	0.23 U	0.69 J	0.15 U	1.92 JT	1.92 JT
SDC-SS04	WLCITC03SS040008	3.5 J	4.2 J	12	15	2.7 J	11	45	93.4 JT	9.8 J	48	72	52	41	93 T	60	58	49	57	97	544 JT	637.4 JT
SDC-SS05	WLCITC03SS050012	5.4 J	4.8 J	9.8 J	18	4.1 J	22	36	100 JT	6.7 J	31	50	43	30	73 T	50	45	35	43	93	427 JT	527 JT
SDC-SS05	WLCITC03SS051213	0.28 U	0.28 U	0.22 U	0.26 U	0.23 U	0.28 U	0.2 U	0.28 UT	0.24 U	0.18 U	0.19 U	0.19 U	0.2 U		0.14 U	0.2 U	0.23 U	0.2 U	0.15 U	0.24 UT	0.28 UT
SDC-SS05	WLCITC03SS051416C	1.6 U	1.3 U	1.9 U	1.9 U	2.2 U	1.7 U	1.7 U	2.2 UT	2.9 U	1.9 U	2.1 U	3.3 U	3.3 U	3.3 UT	3 U	1.9 U	2.9 U	2.5 U	1.7 U	3.3 UT	3.3 UT
SDC-SS05	WLCITC03SS051516	0.28 U	0.28 U	0.21 U	0.25 U	0.22 U	0.28 U	0.2 U	0.28 UT	0.35 J	0.17 U	0.19 U	0.19 U	0.2 U		0.78 J	0.2 U	0.22 U	0.8 J	0.15 U	1.93 JT	1.93 JT
SDC-SS06	WLCITC03SS060007	11	22	25	54	19	30	110	271 T	61	150	210	270	120	390 T	200	220	200	200	290	1920 T	2191 T
SDC-SS06	WLCITC03SS060708	7.1	7.5	11	21	6.7	19	90	162 T	22	120	220	160	130		180	170	230	180	360	1770 T	1932 T
SDC-SS06	WLCITC03SS060810C	1.6 U	1.3 U	1.8 U	3 J	2.2 U	2.4 J	30	35.4 JT	2.8 U	11	6.6 J	9.2 J	9.2 J	18.4 JT	6.3 J	12	31	6.7 J	20	112 JT	147.4 JT
SDC-SS06	WLCITC03SS061011	0.28 U	0.28 U	0.22 U	0.25 U	0.23 U	0.3 J	0.3 J	0.6 JT	0.24 U	0.18 U	0.19 U	0.19 U	0.2 U		0.22 J	0.2 U	0.23 U	0.21 J	0.22 J	0.65 JT	1.25 JT
EPASH06	WLCMB102PASH06PASH06	5640	14800	81.4	8420	14900	3990	35000	82800 T	126	3380	763	1010	840		139	2750	20300	221	9680	39100 T	121900 T
SED01	WLCMB102SED01SED01	1890	48800	161	23300	44900	3180	94300	217000 T	243 J	13200	4930	6300	4740 J		1120	12700	57700	1590	31000	134000 JT	351000 JT
SED02	WLCMB102SED02SED02	5	3.4 J	2.4 J	6.7	7	12.2	18.8	55.5 JT	1.3 J	29.5	17.1	25.1	16.9 J		11.9	33.3	65.9	12.5	48.1	262 JT	317.5 JT
SED03	WLCMB102SED03SED03	5910 J	1720 J	113 J	157 J	616 J	241000 J	956 J	250000 JT	23.8 UJ	36 J	16 J	16.4 J	10.1 J		11.9 UJ	35.4 J	306 J	23.8 UJ	223 J	643 JT	250643 JT
SED04	WLCMB102SED04SED04	129	274	19.7	526	656	310	2450	4360 T	64.3 J	787	298	632	419		93.3	999	5250 J	139	2290	11000 JT	15360 JT
SED05	WLCMB102SED05SED05	292	2130	46.6 U	466	1600	832	2280	7600 T	93.2 U	380	146	250	178 J		47.9	408	1300	63.7 J	683	3460 JT	11060 JT
SED05	WLCMB102SED05SED51	175 J	440 J	5.3 J	110 J	355 J	651 J	887 J	2620 JT	14.6 J	201 J	84 J	130 J	86.8 J		25.1 J	190 J	892 J	32.8 J	399 J	2060 JT	4680 JT
SED06	WLCMB102SED06SED06	162	405	14.8	213	431	495	668	2390 T	40.3 J	333	181	373	199		68.2	339	1020	92.4	525 J	3170 JT	5560 JT
SED07	WLCMB102SED07SED07	508	1370	29.3	1480	1530	810	4310	10000 T	93 J	844	452	558	327 J		207	861	3790	218	1990	9340 JT	19340 JT
SED08	WLCMB102SED08SED08	16.6 J	18.6 J	6.7 J	31.8 J	41.3 J	41.4 J	61.5 J	218 JT	17.6 J	90.7 J	55.9 J	99.9 J	69.3 J		32 J	92.2 J	203 J	37.9 J	148 J	847 JT	1065 JT
SED09	WLCMB102SED09SED09	1130	902	30.1	358	779	2100	2180	7480 T	17.2 J	485	230	383	235		82.1	565	2850	110	1240 J	6200 JT	13680 JT
SD04	WLCMFH00SD04SD04D	17	270	270 J	170 J	370	99 J	2300	3500 JT	58	1700	1600	1900	210	2110 T	300	2100	4100	340	3900	16200 T	19700 JT
SD05	WLCMFH00SD05SD05D	920	18000	600 J	25000	16000	1200	120000	182000 JT	1900	28000	30000	25000	7900	32900 T	25000	34000	100000	21000	130000	403000 T	585000 JT
SD06	WLCMFH00SD06SD06D	3 J	10 J	10 J	10 J	8 J	10 J	82 J	133 JT	300 U	100	100 J	100 J	60 J	160 T	200 J	100	360 J	100 J	450 J	1570 JT	1703 JT
CS001	WLCMR102CS001CS001	4900	13000	650	11000	6000	2800	60000	98400 T	1500	10000	12000	8900	8500	17400 T	12000	14000	37000	9300	39000	152000 T	250400 T
CS002	WLCMR102CS002CS002	1600	940	180	870	620	2100	5400	11700 T	300	1900	1900	1600	1600	3200 T	2400	2400	6500	2000	5100	25700 T	37400 T
CS003	WLCMR102CS003CS003	200	2000	310	2200	1300	280	14000	20300 T	550	3600	4600	3600	2800	6400 T	3600	4700	9400	3400	11000	47300 T	67600 T
RB13	WLCOS200RB13SD0016	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 U	9.7 UT	19 U	11	27	22	21	43 T	25	26	9.7 U	22	13	167 T	167 T
G04	WLCRIV99G04G04S03	300 U	300 U	300 U	300 U	300 U	300 U	22 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	60 J	60 JT	60 JT
G04	WLCRIV99G04G04S07	300 U	300 U	300 U	300 U	300 U	23 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G04	WLCRIV99G04G04S08	300 U	300 U	300 U	300 U	300 U	22 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G05	WLCRIV99G05S66.5	300 U	300 U	300 U	300 U	300 U	28 U	300 U	300 UT	300 U	300 U	70 J	300 U	300 U	300 UT	60 J	80 J	100 J	60 J	100 J	470 JT	470 JT
G05	WLCRIV99G05S7879	300 U	300 U	300 U	300 U	300 U	28 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G05	WLCRIV99G05S84	50 U	50 U	50 U	50 U	50 U	50 U	62	62 T	50 U	110	110	100	68	168 T	69	110	150	100	140	957 T	1019 T
G05	WLCRIV99G05S85	50 U	50 U	50 U	50 U	50 U	50 U	58	58 T	50 U	89	87	91	63	154 T	71	91	130	96	110	828 T	886 T
G05	WLCRIV99G05HCG05C	67	550	50 U	460	430	82	2700	4290 T	540	3400	3500	3200	2300	5500 T	2100	3400	5700	2900	4700	31700 T	35990 T
G05	WLCRIV99G05HCG101	180	1500	50 U	1100	780	330	4600	8490 T	1600	11000	11000	9200	7700	16900 T	6800	12000	15000	9000	14000	97300 T	105790 T
G06A	WLCRIV99G06A06AS04	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	72	50 U	90	162 T	162 T
G06B	WLCRIV99G06B06BS13	300 U	300 U	300 U	300 U	300 U	30 U	90 J	90 JT	40 J	100 J	100 J	100 J	100 J	200 T	100 J	100 J	200 J	100 J	200 J	1140 JT	1230 JT

BZTO104(e)028846

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
G06B	WLCRIV99G06B3940.5	300 U	300 U	300 U	300 U	300 U	300 U	200 J	200 JT	300 U	100 J	100 J	100 J	300 U	100 T	70 J	100 J	200 J	60 J	200 J	930 JT	1130 JT
G06B	WLCRIV99G06B51.553	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G06B	WLCRIV99G06B61.563	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G06B	WLCRIV99G06BCG06BC	50 U	82	50 U	67	50 U	50 U	300	449 T	56	520	520	440	300	740 T	200	440	730	370	660 J	4240 JT	4689 JT
G07	WLCRIV99G07G07S03	69	50 U	50 U	50 U	50 U	50 U	58	127 T	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	82	50 U	97	179 T	306 T
G07	WLCRIV99G07G07S05	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	55	50 U	57	112 T	112 T
G07	WLCRIV99G07G07S06	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	70 J	70 JT	70 JT
G07	WLCRIV99G07G07S19	300 U	80 J	300 U	90 J	90 J	24 U	500	760 JT	300 U	200 J	90 J	90 J	80 J	170 T	60 J	100 J	400	60 J	800	1880 JT	2640 JT
G07	WLCRIV99G07G07S27	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G07	WLCRIV99G07HCG07C	270	540	50 U	700	680	260	3800	6250 T	200 U	2300	1600	1700	1300	3000 T	540	2200	5100	1000	4100	19800 T	26050 T
G08	WLCRIV99G08.545.5	300 U	60 J	300 U	50 J	80 J	25 U	400	590 JT	300 U	100 J	100 J	100 J	90 J	190 T	90 J	100 J	300	70 J	200 J	1150 JT	1740 JT
G08	WLCRIV99G0856.558	300 U	300 U	300 U	300 U	300 U	25 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	90 J	300 U	100 J	190 JT	190 JT
G08	WLCRIV99G0876.578	300 U	300 U	300 U	300 U	300 U	23 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G08	WLCRIV99G08G08S03	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	66	76	72	50 U	72 T	50 U	73	130	52	150	619 T	619 T
G08	WLCRIV99G08HCG08C	940	17000	500 U	14000	4800	1800	53000	91500 T	12000	79000	89000	63000	59000	122000 T	51000	71000	120000	72000	110000	726000 T	817500 T
G08	WLCRIV99G08HCG100	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G09	WLCRIV99G09.512.5	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G09	WLCRIV99G091617.5	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G09	WLCRIV99G092122.5	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G10	WLCRIV99G10G10S04	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G10	WLCRIV99G10G10S05	500	60 J	300 U	300 U	200 J	8 J	400	1170 JT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	1170 JT
G10	WLCRIV99G10G10S08	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G10	WLCRIV99G10G10S10	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G10	WLCRIV99G10G10S12	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G10	WLCRIV99G10G10S14	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G11	WLCRIV99G1112.514	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G12	WLCRIV99G1238.540	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	90 J	90 JT	90 JT
G12	WLCRIV99G1248.550	300 U	300 U	300 U	300 U	300 U	300 U	100 J	100 JT	300 U	100 J	80 J	100 J	300 U	100 T	60 J	100 J	200 J	60 J	200 J	900 JT	1000 JT
G12	WLCRIV99G125354.5	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	80 J	80 JT	80 JT
G12	WLCRIV99G126869.5	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G12	WLCRIV99G127374.5	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G12	WLCRIV99G12G12S11	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G13A	WLCRIV99G13A13AS02	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G13A	WLCRIV99G13A13AS07	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G13A	WLCRIV99G13A15.518	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	60 J	60 JT	60 JT
G13A	WLCRIV99G13ACG13AC	50 U	50 U	50 U	61	50 U	50 U	260	321 T	50 U	260	200	210	170	380 T	130	320	550	180	480 J	2500 JT	2821 JT
G13B	WLCRIV99G13B13BS07	50 U	50 U	50 U	50 U	50 U	50 U	58	58 T	50 U	81	100	82	70	152 T	65	93	130	73	130	824 T	882 T
G13B	WLCRIV99G13B13BS17	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G13B	WLCRIV99G13B13BS18	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G13B	WLCRIV99G13B13BS19	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
G14	WLCRIV99G14G14S04	300 U	300 U	300 U	300 U	300 U	300 U	200 J	200 JT	70 J	200 J	300 J	300	100 J	400 T	200 J	300 J	400	200 J	400	2470 JT	2670 JT
G14	WLCRIV99G14G14S06	300 U	300 U	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G16	WLCRIV99G16G16S06	300 U	300 U	300 U	300 U	300 U	20 U	200 J	200 JT	30 J	200 J	200 J	100 J	200 J	300 T	100 J	200 J	400	100 J	400	1930 JT	2130 JT
G16	WLCRIV99G16G16S10	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
G16	WLCRIV99G16G16S12	300 U	300 U	300 U	300 U	300 U	20 U	300 U	300 UT	300 U	300 U	300 U	300 U	300 U	600 T	300 U	300 U	300 U	300 U	300 U	300 UT	300 UT
T2-01-1	WLCT0F01T20101T2011A	19 J	22 J	42 J	43 J	23 J	38 J	140 J	327 JT	19 J	100 J	130 J	170 J	43 J	213 T	110 J	130 J	180 J	99 J	240 J	1220 JT	1547 JT
T2-01-2	WLCT0F01T20102T2012A	19 UJ	19 UJ	19 UJ	19 UJ	19 UJ	21 J	63 J	84 JT	19 UJ	28 J	26 J	40 J	19 UJ	40 T	19 UJ	41 J	63 J	19 UJ	78 J	276 JT	360 JT
T5-01-1	WLCT0F01T50101T5011A	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	14 UJ	73 J	73 JT	14 UJ	28 J	27 J	39 J	14 UJ	39 T	17 J	37 J	66 J	20 J	63 J	297 JT	370 JT
T5-01-2	WLCT0F01T50102T5012A	15 UJ	17 J	15 UJ	22 J	15 J	15 UJ	84 J	138 JT	15 UJ	26 J	31 J	43 J	15 UJ	43 T	17 J	41 J	68 J	25 J	74 J	325 JT	463 JT
B401-C1	WLCT0198B401C1B401C1		210	200 U	250	200 U	290	1100	1850 JT	200 U	690	710	460	450	910 T	380	740	2200	410	2700	8740 T	10590 JT
B401-C2	WLCT0198B401C2B401C2		38	20 U	46	27	95	260	466 JT	20 U	170	220	140	130	270 T	140	190	430	180	540	2140 T	2606 JT
B501-C1	WLCT0198B501C1B501C1		33	20 U	35	20 U	50	250	368 JT	20	130	180	120	100	220 T	100	160	300	130	390	1630 T	1998 JT
B501-C2	WLCT0198B501C2B501C2		28	20 U	20 U	22	20 U	140	190 JT	20 U	34	38	32	26	58 T	23	42	93	30	120	438 T	628 JT
IS-C1	WLCT0198ISC1ISC1		34	240	2200	190	190	6800	9650 JT	660	6400	7300	2900	5100	8000 T	4400	8100	16000	4600	19000	74500 T	84150 JT
IS-C2	WLCT0198ISC2ISC2		20 U	20 U	20 U	20 U	20 U	45	45 JT	53	37	61	31	26	57 T	270	40	98	360	110	1090 T	1135 JT
T4-PS03	WLCT4C04PS03031113	2.1 J	11	1.5 J	3 J	1.9 J	8.9	18	46.4 JT	1.5 J	7.2	9.5	7.1	6.7	13.8 T	10	10	18	9 J	25	104 JT	150.4 JT
T4-PS03	WLCT4C04PS03031517	5 U	1.3 J	5 U	0.34 J	0.28 J	0.56 J	2 J	4.48 JT	5 UJ	1.5 J	1.6 J	2 J	1.4 J	3.4 T	5 U	2.3 J	3.2 J	5 UJ	3.4 J	15.4 JT	19.88 JT
T4-PS04	WLCT4C04PS04041012	12	20	22	53	13	53	160	333 T	19 J	100	110	83	78	161 T	87	150	230	82 J	250	1190 JT	1523 JT
T4-PS04	WLCT4C04PS04041517	5 U	0.35 J	5 U	0.3 J	5 U	0.48 J	1.3 J	2.43 JT	5 UJ	3.1 J	2 J	3.5 J	3 J	6.5 T	5 U	3 J	3.9 J	5 UJ	4.3 J	22.8 JT	25.23 JT
T4-PS12	WLCT4C04PS12121012	5 U	0.89 J	1.2 J	5.3	0.93 J	0.63 J	12	21 JT	5 UJ	11	8.9	5.1	7.9	13 T	4.7 J	12	19	4.9 J	25	98.5 JT	119.5 JT
T4-PS12	WLCT4C04PS12121517	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UT	5.1 UJ	0.74 J	5.1 U	0.27 J	0.22 J	0.49 T	5.1 U	0.88 J	5.1 U	5.1 UJ	1.7 J	3.81 JT	3.81 JT
T4-PS17	WLCT4C04PS17171012	4.5 J	5.7	6	12	5.4	24	52	110 JT	3.8 J	27	34	22	25	47 T	36	38	77	30 J	98	391 JT	501 JT
T4-PS17	WLCT4C04PS17171517	0.59 J	0.79 J	0.44 J	0.98 J	0.83 J	2.1 J	6	11.7 JT	4.9 UJ	3.5 J	3.9 J	3.2 J	3.3 J	6.5 T	4.6 J	4.8 J	9.5	4.9 UJ	12	44.8 JT	56.5 JT
T4-PS20	WLCT4C04PS20201517	350	1300	82	520	890	450	2900	6490 T	80 J	500	530	360	330	690 T	470	640	1900	430 J	1700	6940 JT	15430 JT
T4-PS20	WLCT4C04PS20202022	89	190	9.9	81	160	75	500	1100 T	7.6 J	74	59	47	46	93 T	54	95	330	47 J	270	1030 JT	2130 JT
T4-PS21	WLCT4C04PS21211517	71	140	98	240	140	220	1100	2010 T	190 J	670	990	790	530	1320 T	980	870	1900	930 J	1800	9650 JT	11660 JT
T4-PS21	WLCT4C04PS21212022	25	28	46	68	31	120	290	608 T	46 J	200	380	230	210	440 T	490	290	660	390 J	720	3620 JT	4228 JT
T4-PS22	WLCT4C04PS22221517	5 U	5 U	5 U	0.3 J	0.29 J	0.36 J	1.5 J	2.45 JT	5 UJ	1 J	0.96 J	5 U	5 U	5 UT	5 U	1.4 J	2.3 J	5 UJ	2.4 J	8.06 JT	10.51 JT
T4-PS22	WLCT4C04PS22222022	5 U	0.34 J	5 U	0.36 J	0.36 J	0.46 J	2 J	3.52 JT	5 UJ	1.3 J	1.4 J	5 U	5 U	5 UT	5 U	2 J	3.5 J	5 UJ	3.6 J	11.8 JT	15.32 JT
T4-PS28	WLCT4C04PS28281012	5 U	0.28 J	0.25 J	0.71 J	0.53 J	0.6 J	3.1 J	5.47 JT	5 UJ	2.5 J	2.5 J	2 J	2.6 J	4.6 T	5 U	3.8 J	8.6	5 UJ	10	32 JT	37.47 JT
T4-PS28	WLCT4C04PS28281517	4.9 U	4.9 U	4.9 U	0.42 J	0.28 J	0.34 J	1.8 J	2.84 JT	4.9 UJ	1.7 J	1.6 J	1.7 J	1.7 J	3.4 T	4.9 U	2.5 J	5.6	4.9 UJ	6.9	21.7 JT	24.54 JT
T4-PS31	WLCT4C04PS31.522.5	2.9 J	2.6 J	0.68 J	3.1 J	2.5 J	11	16	38.8 JT	5 UJ	5.6	7.6	5.4	6.3	11.7 T	10	8.9	17	7.7 J	23	91.5 JT	130.3 JT
T4-PS31	WLCT4C04PS31311517	13	18	3.5 J	21	10	24	100	190 JT	5.3 J	36	50	32	33	65 T	57	56	140	46 J	170	625 JT	815 JT
T4-PS32	WLCT4C04PS32321012	3.3 J	10	1.6 J	10	5.9	8.4	47	86.2 JT	6.7 J	42	58	49	47	96 T	53	55	88	54 J	97	550 JT	636.2 JT
T4-PS32	WLCT4C04PS32321517	3.7 J	7.9	3.5 J	39	7.9	12	140	214 JT	23 J	130	180	120	120	240 T	160	170	350	150 J	480	1800 JT	2014 JT
T4-PS33	WLCT4C04PS33331113	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 UJ	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 UJ	5 U	5 UT	5 UT
T4-PS33	WLCT4C04PS33C33911	5.1 U	0.51 J	5.1 U	0.42 J	5.1 U	5.1 U	2 J	2.93 JT	5.1 UJ	2.7 J	3.3 J	3.7 J	3.1 J	6.8 T	5.1 U	3.8 J	4.7 J	5.1 UJ	4.5 J	25.8 JT	28.73 JT
T4-PS33	WLCT4C04PS33VC3357	5.6	22	5.1 U	14	9.9	9	89	150 T	31 J	94	130	150	110	260 T	110	140	220	110 J	170	1270 JT	1420 JT
T4-UP09	WLCT4C04UP09UP0902	29	150	12	110	150	43	630	1120 T	30	240	250	240	210	450 T	200	280	680	200	710	3040 T	4160 T
T4-UP10	WLCT4C04UP10UP1002	42 J	180 J	29 J	180 J	170 J	69 J	920 J	1490 JT	150 J	640 J	880 J	840 J	700 J	1540 T	720 J	780 J	1300 J	780 J	1400 J	8190 JT	9680 JT
T4-VC01	WLCT4C04VC01VC0113	68	69	28	130	77	90	690	1150 T	38	320	400	310	290	600 T	380	450	900	340	1300	4730 T	5880 T
T4-VC01	WLCT4C04VC01VC0135	4 J	6.2	4.9 J	9	4.5 J	17	86	132 JT	1.2 J	12	15	11	12	23 T	18	17	39	13	80	218 JT	350 JT
T4-VC02	WLCT4C04VC02VC0213	95	76	24	130	70	140	440	975 T	29	190	250	200	190	390 T	200	240	440	190	640	2570 T	3545 T
T4-VC02	WLCT4C04VC02VC0235	1 J	0.93 J	0.78 J	1 J	0.91 J	1.3 J	3.1 J	9.02 JT	0.51 J	3.3 J	6.9 J	5 J	5.3	10.3 T	6.5	4.8 J	3.6 J	4.6 J	6.3	46.8 JT	55.82 JT
T4-VC02	WLCT4C04VC02VC0257	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC02	WLCT4C04VC02VC0279	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC03	WLCT4C04VC03VC0313	12	15	5.9	17	14	32	78	174 T	4.2 J	61	53	40	44	84 T	42	66	130	34	220	694 JT	868 JT
T4-VC03	WLCT4C04VC03VC0335	5 U	0.51 J	5 U	5 U	5 U	0.27 J	5 U	0.78 JT	5 U	0.17 J	0.16 J	0.34 J	0.21 J	0.55 T	0.27 J	0.27 J	5 U	0.22 J	5 U	1.64 JT	2.42 JT
T4-VC03	WLCT4C04VC03VC0357	4.9 U	72	0.32 J	4.9 U	4.9 U	0.52 J	4.9 U	72.8 JT	4.9 U	0.24 J	4.9 U	0.24 J	0.22 J	0.46 T	0.28 J	0.43 J	4.9 U	4.9 U	4.9 U	1.41 JT	74.21 JT
T4-VC04	WLCT4C04VC04VC0413	8.9	32	5.4	25	20	25	120	236 T	24	130	180	180	160	340 T	150	170	210	150	260	1610 T	1846 T
T4-VC04	WLCT4C04VC04VC0435	4.3 J	14	2.7 J	13 J	7.6	12 J	82 J	136 JT	7.2	61 J	68 J	62 J	53 J	115 T	56 J	74 J	120 J	52 J	150 J	703 JT	839 JT
T4-VC04	WLCT4C04VC04VC0457	5 U	0.35 J	0.43 J	5 U	5 U	0.98 J	5 U	1.76 JT	5 U	3.1 J	2.8 J	3.4 J	2.9 J	6.3 T	2.3 J	4.3 J	3 J	1.7 J	8.1	31.6 JT	33.36 JT
T4-VC04	WLCT4C04VC04VC0479	1.1 J	5.4	0.62 J	5 U	2.2 J	2.7 J	16	28 JT	3.2 J	16	22	25	19	44 T	19	24	31	17	45	221 JT	249 JT
T4-VC05	WLCT4C04VC05VC0513	20	38	31	34	17	54	130	324 T	32	200	280	190	190	380 T	210	250	200	200	420	2170 T	2494 T
T4-VC05	WLCT4C04VC05VC0535	14	10	2.7 J	12	11	25	77	152 JT	1.7 J	21	20	16	17	33 T	19	31	54	15	130	325 JT	477 JT

BZTO104(e)028847

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
T4-VC05	WLCT4C04VC05VC0557	5 U	5 U	5 U	5 U	5 U	0.28 J	5 U	0.28 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.21 J	5 U	5 U	5 U	0.21 JT	0.49 JT
T4-VC05	WLCT4C04VC05VC0579	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC06	WLCT4C04VC06VC0613	33	44	12	41	24	70	290	514 T	12	100	110	89	88	177 T	110	140	240	92	420	1400 T	1914 T
T4-VC06	WLCT4C04VC06VC0635	5 U	5 U	5 U	0.29 J	0.23 J	5 U	5 U	0.52 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	0.52 JT
T4-VC06	WLCT4C04VC06VC0657	5 U	5 U	5 U	0.32 J	5 U	0.3 J	5 U	0.62 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.17 J	5 U	5 U	5 U	0.17 JT	0.79 JT
T4-VC06	WLCT4C04VC06VC0679	5 U	5 U	5 U	0.32 J	5 U	5 U	5 U	0.32 JT	5 U	0.28 J	0.23 J	5 U	0.43 J	0.43 T	0.29 J	0.34 J	2.1 J	0.24 J	5 U	3.91 JT	4.23 JT
T4-VC07	WLCT4C04VC07VC0713	81	210	36	380	370	130	1500	2710 T	85	520	520	570	420	990 T	400	730	1400	410	1600	6660 T	9370 T
T4-VC07	WLCT4C04VC07VC0735	25	36	8.3	36	34	52	160	351 T	22	110	140	140	120	260 T	120	160	240	120	310	1480 T	1831 T
T4-VC07	WLCT4C04VC07VC0757	1.2 J	7.7	1.7 J	5.5	2.6 J	6.2	37	61.9 JT	1.4 J	17	15	12	15	27 T	11	22	29	8.7	52	183 JT	244.9 JT
T4-VC07	WLCT4C04VC07VC0779	5 U	0.3 J	5 U	0.27 J	5 U	5 U	1.4 J	1.97 JT	5 U	0.33 J	0.2 J	0.28 J	0.24 J	0.52 T	0.16 J	0.47 J	5 U	5 U	1.6 J	3.28 JT	5.25 JT
T4-VC08	WLCT4C04VC08C08911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.33 J	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	0.33 JT	0.33 JT
T4-VC08	WLCT4C04VC08VC0813	1.4 J	4.1 J	0.43 J	3.1 J	1.4 J	2.9 J	14	27.3 JT	1.8 J	14	17	16	17	33 T	14	17	24	12	30	163 JT	190.3 JT
T4-VC08	WLCT4C04VC08VC0835	4.9 U	4.9 U	4.9 U	0.28 J	4.9 U	4.9 U	4.9 U	0.28 JT	4.9 U	0.63 J	4.9 U	0.19 J	0.37 J	0.56 T	4.9 U	0.36 J	4.9 U	4.9 U	4.9 U	1.55 JT	1.83 JT
T4-VC08	WLCT4C04VC08VC0857	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.23 J	5 U	0.23 T	5 U	5 U	5 U	5 U	5 U	0.23 JT	0.23 JT
T4-VC08	WLCT4C04VC08VC0879	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.29 J	5 U	0.29 T	5 U	5 U	5 U	5 U	5 U	0.29 JT	0.29 JT
T4-VC09	WLCT4C04VC09C09911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.51 J	5 U	0.51 T	5 U	5 U	5 U	5 U	5 U	0.51 JT	0.51 JT
T4-VC09	WLCT4C04VC09VC0913	39	340	21	330	150	87	1300	2270 T	480	1800	2400	2300	1900	4200 T	1700	2000	2500	1900	2800	19800 T	22070 T
T4-VC09	WLCT4C04VC09VC0935	24	85	14	81	82	46	470	802 T	43	310	330	360	300	660 T	260	430	720	270	760	3780 T	4582 T
T4-VC09	WLCT4C04VC09VC0957	4.9 U	0.84 J	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	0.84 JT	4.9 U	4.9 U	4.9 U	0.36 J	0.26 J	0.62 T	0.21 J	0.29 J	4.9 U	4.9 U	4.9 U	1.12 JT	1.96 JT
T4-VC09	WLCT4C04VC09VC0979	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.27 J	5 U	0.53 J	5 U	0.53 T	0.2 J	0.5 J	5 U	5 U	5 U	1.5 JT	1.5 JT
T4-VC10	WLCT4C04VC10I01113	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	0.94 J	0.8 J	1.3 J	0.7 J	2 T	0.82 J	1.1 J	4.9 U	0.76 J	4.9 U	6.42 JT	6.42 JT
T4-VC10	WLCT4C04VC10C10911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.22 J	5 U	0.45 J	0.33 J	0.78 T	0.23 J	0.41 J	5 U	5 U	5 U	1.64 JT	1.64 JT
T4-VC10	WLCT4C04VC10VC1013	0.3 J	0.4 J	0.67 J	1.4 J	0.42 J	0.7 J	2.8 J	6.69 JT	0.52 J	9.4	8.1	7.6	10	17.6 T	5.7	11	16	4.5 J	23	95.8 JT	102.49 JT
T4-VC10	WLCT4C04VC10VC1035	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.29 J	5 U	0.29 T	5 U	0.29 J	5 U	5 U	5 U	0.58 JT	0.58 JT
T4-VC10	WLCT4C04VC10VC1057	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	4.9 U	4.9 U	0.63 J	4.9 U	0.63 T	0.19 J	0.36 J	4.9 U	4.9 U	4.9 U	1.18 JT	1.18 JT
T4-VC10	WLCT4C04VC10VC1079	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.78 J	5 U	0.78 T	5 U	5 U	5 U	5 U	5 U	0.78 JT	0.78 JT
T4-VC11	WLCT4C04VC11C11911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 UJ	5 U	5 UJ	5 U	5 U	5 UT	5 U	5 U	5 U	5 UJ	5 U	5 UT	5 UT
T4-VC11	WLCT4C04VC11VC1113	7	44	7.9	44	22	15	170	310 T	54	260	350	340	270	610 T	260	300	370	280	430	2910 T	3220 T
T4-VC11	WLCT4C04VC11VC1135	5.4	16	3.1 J	9.3	4.7 J	17	60	116 JT	3 J	28	28	27	22	49 T	24	38	75	21	100	366 JT	482 JT
T4-VC11	WLCT4C04VC11VC1157	0.88 J	1.9 J	0.3 J	0.87 J	0.47 J	2 J	6.6	13 JT	0.22 J	2.3 J	1.6 J	1.7 J	1.7 J	3.4 T	1.5 J	3.4 J	6.4	5 U	12	30.8 JT	43.8 JT
T4-VC11	WLCT4C04VC11VC1179	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 UJ	5 U	5 UJ	5 U	5 U	5 UT	5 U	5 U	5 U	5 UJ	5 U	5 UT	5 UT
T4-VC12	WLCT4C04VC12VC1213	66	160	18	72	130	120	550	1120 T	32	210	240	230	200	430 T	210	260	508	200	610	2690 T	3810 T
T4-VC12	WLCT4C04VC12VC1235	53	180	21	100	170	110	890	1520 T	19	160	180	150	120	270 T	180	210	490	150	620	2280 T	3800 T
T4-VC12	WLCT4C04VC12VC1257	5 U	5 U	5 U	0.22 J	5 U	5 U	5 U	0.22 JT	0.34 J	0.7 J	0.33 J	0.95 J	0.64 J	1.59 T	1.1 J	0.56 J	5 U	5 U	5 U	4.62 JT	4.84 JT
T4-VC12	WLCT4C04VC12VC1279	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC13	WLCT4C04VC13VC1313	1.1 J	6.7	0.32 J	5.8	7.2	1.6 J	42	64.7 JT	5.8	34	35	39	33	72 T	30	42	84	28	82	413 T	477.7 JT
T4-VC13	WLCT4C04VC13VC1335	0.43 J	0.35 J	0.3 J	0.41 J	0.57 J	2.6 J	5 U	4.66 JT	5 U	0.89 J	0.73 J	0.95 J	5 U	0.95 T	0.79 J	5 U	5 U	0.45 J	2.4 J	6.21 JT	10.87 JT
T4-VC13	WLCT4C04VC13VC1357	0.36 J	4.9 U	0.28 J	0.41 J	0.35 J	1.7 J	4.9 U	3.1 JT	4.9 U	1.1 J	0.83 J	0.59 J	0.9 J	1.49 T	0.58 J	1.1 J	4.9 U	0.36 J	3.2 J	8.66 JT	11.76 JT
T4-VC13	WLCT4C04VC13VC1379	2.5 J	1.7 J	4.2 J	5.1	3.3 J	16	22	54.8 JT	0.74 J	11	12	8.5	14	22.5 T	15	16	24	8	53	162 JT	216.8 JT
T4-VC14	WLCT4C04VC14VC1413	5 U	5 U	0.37 J	0.88 J	0.22 J	5 U	5 U	1.47 JT	0.66 J	3 J	3.7 J	5 J	4.5 J	9.5 T	3.8 J	4.2 J	4.2 J	3.5 J	11	43.6 JT	45.07 JT
T4-VC14	WLCT4C04VC14VC1435	1.6 J	9	0.99 J	10	6.1	3.4 J	41	72.1 JT	9.2	51	71	69	61	130 T	56	64	84	57	110	632 T	704.1 JT
T4-VC14	WLCT4C04VC14VC1457	22	62	7.9	81	42	61	360	636 T	39	250	300	290	250	540 T	210	300	410	220	510	2780 T	3416 T
T4-VC14	WLCT4C04VC14VC1479	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 UT	4.8 U	4.8 U	0.2 J	4.8 U	4.8 U	4.8 UT	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	0.2 JT	0.2 JT
T4-VC15	WLCT4C04VC15C15911	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	0.27 J	4.9 U	0.78 J	0.53 J	1.31 T	0.33 J	0.56 J	4.9 U	4.9 U	4.9 U	2.47 JT	2.47 JT
T4-VC15	WLCT4C04VC15VC1513	63	140	24	110	140	100	750	1330 T	76	410	450	470	370	840 T	370	550	920	370	1200	5190 T	6520 T
T4-VC15	WLCT4C04VC15VC1535	8.4	20	6.3	29	22	21	180	287 T	11	110	130	90	92	182 T	120	150	250	96	370	1420 T	1707 T
T4-VC15	WLCT4C04VC15VC1557	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	0.35 J	4.9 U	0.75 J	0.38 J	1.13 T	0.27 J	0.82 J	4.9 U	4.9 U	4.9 U	2.57 JT	2.57 JT
T4-VC15	WLCT4C04VC15VC1579	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	1.1 J	0.8 J	1.6 J	1.2 J	2.8 T	0.91 J	1.6 J	5 U	0.56 J	2.2 J	9.97 JT	9.97 JT
T4-VC16	WLCT4C04VC16C16911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.21 J	5 U	0.21 T	0.15 J	5 U	5 U	5 U	5 U	0.36 JT	0.36 JT
T4-VC16	WLCT4C04VC16VC1613	85	96	4.9 J	43	62	300	280	871 JT	21	170	210	200	190	390 T	180	210	330	170	420	2100 T	2971 JT
T4-VC16	WLCT4C04VC16VC1635	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.23 J	0.23 J	0.47 J	0.35 J	0.82 T	0.27 J	0.36 J	5 U	0.24 J	5 U	2.15 JT	2.15 JT
T4-VC16	WLCT4C04VC16VC1657	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.48 J	0.24 J	0.48 J	0.34 J	0.82 T	0.35 J	0.52 J	5 U	0.28 J	5 U	2.69 JT	2.69 JT
T4-VC16	WLCT4C04VC16VC1679	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 UT	4.7 U	4.7 U	4.7 U	0.21 J	4.7 U	0.21 T	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	0.21 JT	0.21 JT
T4-VC17	WLCT4C04VC17VC1713	71	69	28	69	63	130	340	770 T	46	270	410	330	290	620 T	380	360	520	360	690	3660 T	4430 T
T4-VC17	WLCT4C04VC17VC1735	160	210	96	280	180	580	1600	3110 T	78	730	1000	650	680	1330 T	1000	970	2100	800	3300	11300 T	14410 T
T4-VC17	WLCT4C04VC17VC1757	62	41	64	110	65	350	560	1250 T	21	210	300	200	200	400 T	290	300	650	230	980	3380 T	4630 T
T4-VC18	WLCT4C04VC18VC1813	100	250	17	91	180	170	710	1520 T	28	220	210	190	170	360 T	170	310	690	160	770	2920 T	4440 T
T4-VC18	WLCT4C04VC18VC1835	130	300	14	49	160	200	410	1260 T	12	84	110	82	74	156 T	100	100	250	91	280	1180 T	2440 T
T4-VC18	WLCT4C04VC18VC1857	52	180	27	54	110	98	710	1230 T	24	230	250	150	160	310 T	190	290	530	170	700	2690 T	3920 T
T4-VC18	WLCT4C04VC18VC1879	3.9 J	4.1 J	8	8.4	2.1 J	24 J	44 J	94.5 JT	22 J	120 J	220 J	130 J	140 J	270 T	170 J	160 J	38 J	170 J	170	1340 JT	1434.5 JT
T4-VC19	WLCT4C04VC19C19911	14	22	14	20	12	87	95	264 T	10	70	100	64	66	130 T	95	96	99	81	230	911 T	1175 T
T4-VC19	WLCT4C04VC19VC1913	160	1700	14	1700	790	330	7300	12000 T	2000	9600	13000	11000	11000	22000 T	9000	11000	14000	10000	16000	107000 T	119000 T
T4-VC19	WLCT4C04VC19VC1935	69	190	25	95	120	100	600	1200 T	150	630	810	870	560	1430 T	630	820	970	690	1200	7330 T	8530 T
T4-VC19	WLCT4C04VC19VC1957	54	170	33 J	65 J	100	120	690	1230 JT	32 J	270 J	280 J	200 J	180 J	380 T	230 J	340 J	810 J	210 J	1200 J	3750 JT	4980 JT
T4-VC19	WLCT4C04VC19VC1979	51	92	30	62	59	190	510	994 T	30	220	320	190	200	390 T	260	290	480	240	720	2950 T	3944 T
T4-VC20	WLCT4C04VC20201113	160	240	62	190	180	420	960	2210 T	65	440	660	460	410	870 T	650	600	1300	580	2000	7170 T	9380 T
T4-VC20	WLCT4C04VC20C20911	290	560	20	140	340	190	790	2330 T	17	160	150	120	100	220 T	130	190	560	120	600	2150 T	4480 T
T4-VC20	WLCT4C04VC20VC2013	4.7 J	18	3.3 J	20	11	12	84	153 JT	20	96	130	130	110	240 T	100	130	160	100	180	1160 T	1313 JT
T4-VC20	WLCT4C04VC20VC2035	19	120	8.7	110	54	40	420	772 T	150	620	870	810	650	1460 T	630	710	850	710	920	6920 T	7692 T
T4-VC20	WLCT4C04VC20VC2057	35	56	15	54	50	74	200	484 T	26	130	170	160	140	300 T	150	190	380	140	370	1780 T	2264 T
T4-VC20	WLCT4C04VC20VC2079	180	240	24	77	140	350	450	1460 T	28	180	280	180	190	370 T	240	230	380	210	450	2370 T	3830 T
T4-VC21	WLCT4C04VC21211113	36	29	49	90	41	140	390	775 T	39	220	380	280	220	500 T	450	320	620	380	940	3850 T	4625 T
T4-VC21	WLCT4C04VC21C21911	87	350	48	280	320	200	1600	2890 T	37	260	320	220	200	420 T	310	330	980	280	1200	4140 T	7030 T
T4-VC21	WLCT4C04VC21VC2113	7.7	21	6.3	16	14	14	79	158 T	19	90	120	110	89	199 T	100	110	150	100	190	1080 T	1238 T
T4-VC21	WLCT4C04VC21VC2135	16	100	8.8	96	52	38	410	721 T	140	550	770	690	590	1280 T	570	630	810	650	870	6270 T	6991 T
T4-VC21	WLCT4C04VC21VC2157	100	210	16	81	150	170	510	1240 T	17	130	140	120	110	230 T	130	160	430	120	480	1840 T	3080 T
T4-VC21	WLCT4C04VC21VC2179	390	650	20	180	420	660	1200	3520 T	16	210	140	120	130	250 T	98	240	810	89	810	2660 T	6180 T
T4-VC22	WLCT4C04VC22C22911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC22	WLCT4C04VC22VC2213	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.16 J	0.16 JT	0.16 JT
T4-VC22	WLCT4C04VC22VC2235	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC22	WLCT4C04VC22VC2257	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	0.15 J	5 U	5 U	5 U	0.2 J	0.35 JT	0.35 JT
T4-VC22	WLCT4C04VC22VC2279	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC23	WLCT4C04VC23C23911	0.88 J	0.46 J	5 U	0.69 J	0.46 J	0.73 J	5.4	8.62 JT	5 UJ	4.3 J	1.9 J	0.76 J	4.2 J	4.96 T	5 U	2.9 J	5 U	5 UJ	3.1 J	17.2 JT	25.82 JT
T4-VC23	WLCT4C04VC23VC2313	5 U	1.3 J	5 U	2.4 J	0.79 J	0.42 J	9.6	14.5 JT	2.2 J	14	18	17	16	33 T	14	17	21	13	24	156 JT	170.5 JT
T4-VC23	WLCT4C04VC23VC2335	5 U	5 U	5 U	5 U	5 U	0.32 J	5 U	0.32 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.19 J	0.19 JT	0.51 JT
T4-VC23	WLCT4C04VC23VC2357	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	0.32 J	5.1 U	0.32 JT	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UT	5.1 U	5.1 U	5.1 U	5.1 U	0.26 J	0.26 JT	0.58 JT
T4-VC23	WLCT4C04VC23VC2379	5 U	5 U	5 U	5 U	5 U	0.33 J	5 U	0.33 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.22 J	0.22 JT	0.55 JT
T4-VC24	WLCT4C04VC24241113	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UT	5.1 UJ	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UT	0.26 J	5.1 U	5.1 U	0.35 J	5.1 U	0.61 JT	0.61 JT
T4-VC24	WLCT4C04VC24C24911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.31 J	0.31 JT	0.31 JT
T4-VC24	WLCT4C04VC24VC2413	76	960	7.4 J	930	390	140	3500	6000 JT	970	4500	6500	5500	5300	10800 T	4600	5100	6600	5000	7600	51700 T	57700 JT
T4-VC24	WLCT4C04VC24VC2435	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	0.37 J	4.9 U	0.37 JT	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	4.9 U	4.9 U	4.9 U	0.29 J	0.29 JT	0.66 JT
T4-VC24	WLCT4C04VC24VC2457	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.22 J	5 U	0.22 T	5 U	0.31 J	0.47 J	5 U	0.45 J	1.45 JT	1.45 JT
T4-VC24	WLCT4C04VC24VC2479	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.22 J	5 U	0.22 T	5 U	5 U	5 U	5 U	5 U	0.22 JT	0.22 JT
T4-VC25	WLCT4C04VC25C25911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.23 J	0.23 J	0.46 T	0.21 J	5 U	5 U	5 U	0.23 J	0.9 JT	0.9 JT
T4-VC25	WLCT4C04VC25VC2513	0.56 J	5 U	5 U	5 U	5 U	0.53 J	0.24 J	1.33 JT	5 U	0.33 J	0.18 J	0.22 J	0.23 J	0.45 T	0.2 J	0.27 J	0.24 J	5 U	0.16 J	1.83 JT	3.16 JT

BZTO104(e)028848

Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID																					
T4-VC25	WLCT4C04VC25VC2535	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.24 J	5 U	0.24 T	0.15 J	0.21 J	0.28 J	5 U	0.2 J	1.08 JT	1.08 JT
T4-VC25	WLCT4C04VC25VC2557	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC25	WLCT4C04VC25VC2579	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC26	WLCT4C04VC26V2613	24	270	8.3	280	120	49	1100	1850 T	430	1800	2600	2400	1900	4300 T	1900	2000	2400	2100	2700	20200 T	22050 T
T4-VC26	WLCT4C04VC26VC2635	22	74	7.4	59	46	37	340	585 T	110	410	570	580	450	1030 T	460	530	680	500	730	5020 T	5605 T
T4-VC26	WLCT4C04VC26VC2657	7.5	14	2.2 J	7.2	5.7	20	50	107 JT	2.2 J	18	21	17	18	35 T	20	27	47	16	69	255 JT	362 JT
T4-VC26	WLCT4C04VC26VC2679	5 U	5 U	5 U	5 U	5 U	0.27 J	1.4 J	1.67 JT	5 U	1.1 J	1.1 J	1.2 J	1.2 J	2.4 T	0.85 J	1.5 J	2 J	0.48 J	2.5 J	11.8 JT	13.47 JT
T4-VC27	WLCT4C04VC27VC2713	0.65 J	1.2 J	0.34 J	2.1 J	1.3 J	3.7 J	7.2	16.5 JT	0.65 J	9.8	9.8	6.1	8.8	14.9 T	9	14	12	6.8	45	122 JT	138.5 JT
T4-VC27	WLCT4C04VC27VC2735	5 U	5 U	5 U	5 U	5 U	0.32 J	5 U	0.32 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.16 J	0.16 JT	0.48 JT
T4-VC27	WLCT4C04VC27VC2757	5 U	5 U	5 U	5 U	5 U	5 U	0.3 J	0.3 JT	5 U	0.22 J	0.24 J	0.26 J	0.19 J	0.45 T	0.26 J	0.36 J	0.47 J	0.18 J	0.62 J	2.8 JT	3.1 JT
T4-VC27	WLCT4C04VC27VC2779	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	0.26 J	5 U	0.24 J	0.5 JT	0.5 JT
T4-VC28	WLCT4C04VC28VC2813	5 U	5 U	5 U	5 U	5 U	0.29 J	5 U	0.29 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	0.22 J	0.54 J	5 U	0.63 J	1.39 JT	1.68 JT
T4-VC28	WLCT4C04VC28VC2835	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC28	WLCT4C04VC28VC2857	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
T4-VC28	WLCT4C04VC28VC2879	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	5 U	0.15 J	0.15 JT	0.15 JT
T4-VC29	WLCT4C04VC29C29911	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	5 U	0.23 J	5 U	0.23 T	5 U	5 U	5 U	5 U	5 U	0.23 JT	0.23 JT
T4-VC29	WLCT4C04VC29VC2913	140	840	150	1200	510	360	4500	7700 T	1400	6600	9500	8600	6600	15200 T	7100	7400	9600	7900	13000	77700 T	85400 T
T4-VC29	WLCT4C04VC29VC2935	48	400	27	370	190	120	1700	2860 T	550	2600	3600	3200	2900	6100 T	2600	3000	4000	2800	4480	29700 T	32560 T
T4-VC29	WLCT4C04VC29VC2957	5 U	0.46 J	5 U	5 U	5 U	5 U	1.3 J	1.76 JT	5 U	5 U	5 U	5 U	5 U	5 UT	5 U	5 U	0.74 J	5 U	0.7 J	1.44 JT	3.2 JT
T4-VC29	WLCT4C04VC29VC2979	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 UT
T4-VC30	WLCT4C04VC30C30911	5 U	5 U	5 U	5 U	5 U	5 U	0.42 J	0.42 JT	5 U	5 U	0.21 J	0.25 J	5 U	0.25 T	0.22 J	0.25 J	0.52 J	5 U	0.66 J	2.11 JT	2.53 JT
T4-VC30	WLCT4C04VC30VC3013	5.9	25	5.4	26	16	12	130	220 T	40	170	240	230	190	420 T	190	220	300	200	330	2110 T	2330 T
T4-VC30	WLCT4C04VC30VC3035	39	68	25	65	65	81	290	633 T	47	310	460	320	280	600 T	370	400	550	350	750	3840 T	4473 T
T4-VC30	WLCT4C04VC30VC3057	150	190	24	81	130	220	380	1180 T	29	180	280	180	190	370 T	260	230	390	240	550	2530 T	3710 T
T4-VC30	WLCT4C04VC30VC3079	120	320	30	120	180	180	610	1560 T	38	220	340	230	200	430 T	320	280	560	300	710	3200 T	4760 T
T4-VC31	WLCT4C04VC31C31911	51	46	4.1	76	42	120	390	766 T	28	180	290	180	180	360 T	300	250	490	270	720	2890 T	3656 T
T4-VC31	WLCT4C04VC31VC3113	10	48	1.1	52	34	16	280	451 T	94	320	550	510	390	900 T	630	440	550	580	600	4660 T	5111 T
T4-VC31	WLCT4C04VC31VC3135	23	39	7.5	19	29	38	120	276 T	15	74	100	85	79	164 T	92	97	150	87	200	979 T	1255 T
T4-VC31	WLCT4C04VC31VC3157	60	90	19	31	49	120	170	539 T	17	90	160	99	110	209 T	150	120	180	130	250	1310 T	1849 T
T4-VC31	WLCT4C04VC31VC3179	150	76	70	130	82	250	690	1450 T	42	290	440	330	240	570 T	450	460	800	390	1400	4840 T	6290 T
T4-VC32	WLCT4C04VC32VC3213	74	390	54	410	260	170	1900	3260 T	690	2800	3900	3700	2500	6200 T	3000	3400	4300	3300	4800	32400 T	35660 T
T4-VC32	WLCT4C04VC32VC3235	82	1000	23 J	1000	400	170	3700	6380 JT	1400	5600	8000	6900	6200	13100 T	5900	6200	7900	6600	9200	63900 T	70280 JT
T4-VC32	WLCT4C04VC32VC3257	5 U	0.4 J	5 U	0.45 J	0.24 J	0.37 J	1.9 J	3.36 JT	5 U	1.9 J	1.8 J	2.2 J	2 J	4.2 T	1.5 J	2.5 J	4 J	0.81 J	5.2	21.9 JT	25.26 JT
T4-VC32	WLCT4C04VC32VC3279	5.3 U	0.83 J	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	0.83 JT	5.3 UJ	5.3 U	5.3 U	1.6 J	5.3 U	1.6 T	5.3 U	5.3 U	5.3 U	5.3 UJ	5.3 U	1.6 JT	2.43 JT
C104105	WLCT4J97104105B41603	76.4	308	22.3	103	280	148	943	1880 T	35.7	481	321	425	171	596 T	175	468	1100	251	1380	4810 T	6690 T
HC-VC-102	WLCT4J97CVC102B41601	30.7	81.6	14 U	48.7	108	49.1	192	510 T	22	147	165	130	77.5	208 T	126	151	211	162	288	1480 T	1990 T
HC-VC-102	WLCT4J97CVC102B41604	21.4	69.2	14 U	32.9	87.8	30.6	167	409 T	14 U	92.3	79.6	85.1	49.3	134 T	51.1	102	165	74.7	229	922 T	1337 T
HC-VC-103	WLCT4J97CVC103B41602	50	48.5	14 U	43.1	54.1	114	196	506 T	26.5	132	107	110	82.8	193 T	83.5	130	242	67.8	244	1230 T	1736 T
HC-S-07	WLCT4J98HCS07VC07S1		4000 U	4000 U	4000 U	4000 U	4000 U	4000 U	4000 UT	4000 U	20000	23000	19000	17000	36000 T	14000	20000	28000	25000	24000	190000 T	190000 T
HC-S-07	WLCT4J98HCS07VC07S2		4000 U	4000 U	4000 U	4000 U	4000 U	6100	6100 JT	4000 U	9300	11000	9200	8800	18000 T	6800	9800	14000	12000	12000	92900 T	99000 JT
HC-S-11	WLCT4J98HCS11VC11S1		1000 U	1000 U	1000	1000 U	1000 U	4300	5300 JT	1000 U	7500	8200	7100	6000	13100 T	5200	7300	10000	9200	9100	69600 T	74900 JT
HC-S-11	WLCT4J98HCS11VC11S2		4000 U	4000 U	4000 U	4000 U	4000 U	8400	8400 JT	4000 U	15000	18000	13000	12000	25000 T	9600	14000	21000	18000	18000	139000 T	147400 JT
HC-S-13	WLCT4J98HCS13VC13S1		20 U	20 U	32	20 U	20 U	110	142 JT	36	190	240	180	170	350 T	120	190	450	200	480	2260 T	2402 JT
HC-S-13	WLCT4J98HCS13VC13S2		20 U	20 U	21	20 U	20 U	87	108 JT	43	210	250	220	180	400 T	110	200	350	190	320	2070 T	2178 JT
HC-S-18	WLCT4J98HCS18VC18S1		510	400 U	520	400 U	400 U	2200	3230 JT	400 U	4100	4800	4000	3500	7500 T	2600	4000	5700	4400	5000	38100 T	41330 JT
HC-S-18	WLCT4J98HCS18VC18S2		200 U	200 U	200 U	200 U	200 U	820	820 JT	200 U	1600	1900	1800	1600	3400 T	1300	1800	2300	2200	1900	16400 T	17220 JT
HC-S-22	WLCT4J98HCS22VC22S1		30	20 U	27	20 U	20 U	150	207 JT	23	250	280	280	200	480 T	220	240	370	360	340	2560 T	2767 JT
HC-S-22	WLCT4J98HCS22VC22S2		20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U	20 U	20 UT	20 UT
HC-S-27	WLCT4J98HCS27VC27S1		1000 U	1000 U	1000 U	1000 U	1000 U	2200	2200 JT	1000 U	3900	4300	3800	3300	7100 T	3000	3800	5500	5500	5000	38100 T	40300 JT
HC-S-27	WLCT4J98HCS27VC27S2		1000 U	1000 U	1000 U	1000 U	1000 U	2400	2400 JT	1000 U	4400	4800	3800	3500	7300 T	3300	4200	6200	6000	5600	41800 T	44200 JT
HC-S-32	WLCT4J98HCS32VC32S1		100 UG	100 UG	100 UG	100 UG	100 UG	280 G	280 JT	100 UG	500 G	510 G	470 G	340 G	810 T	380 G	470 G	710 G	690 G	650 G	4720 T	5000 JT
HC-S-32	WLCT4J98HCS32VC32S2		20 U	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U	20 U	20 UT	20 U	20 U	20 U	20 U	20 U	20 UT	20 UT
HC-S-39	WLCT4J98HCS39VC39S1		100 UG	100 UG	100 UG	100 UG	100 UG	620 G	620 JT	100 UG	790 G	830 G	960 G	560 G	1520 T	590 G	830 G	1300 G	1100 G	1000 G	7960 T	8580 JT
HC-S-39	WLCT4J98HCS39VC39S2		100 UG	100 UG	100 UG	100 UG	100 UG	370 G	370 JT	100 UG	530 G	540 G	600 G	350 G	950 T	370 G	550 G	910 G	730 G	750 G	5330 T	5700 JT
HC-S-42	WLCT4J98HCS42VC42S1		4000 U	4000 U	4000 U	4000 U	4000 U	4500	4500 JT	4000 U	9400	11000	9900	7200	17100 T	7300	8900	11000	15000	10000	89700 T	94200 JT
HC-S-42	WLCT4J98HCS42VC42S2		4000 U	4000 U	4000 U	4000 U	4000 U	10000	10000 JT	4000 U	20000	24000	21000	15000	36000 T	16000	19000	27000	32000	24000	198000 T	208000 JT
T4COMP	WLCT4L01T4COMPCOMP	53.5 JT	230 T	40 JT	270 T	150 T	125 T	1100 T	1970 JT	345 T	1350 T	1650 T	2100 T	655 T		1350 T	1600 T	2200 T	1450 T	2050 T	14800 T	16770 JT
T4-VC-01	WLCT4L01T4VC01T4011A	180	150	36 J	130	110	200	520	1250 JT	87	360	410	500	160		400	470	710	400	800	4300 T	5550 JT
T4-VC-02	WLCT4L01T4VC02T4012A	170 J	1800	70 J	1700	670	390	6300	11100 JT	2100	8800	11000	13000	4300		7700	9300	12000	8900	8500	85600 T	96700 JT
T4-VC-02	WLCT4L01T4VC02T4012B	57 J	270	32 J	260	190	120	1300	2230 JT	280	1400	1600	2100	740		1000	1700	3200	1100	2600	15700 T	17930 JT
T4-VC-02	WLCT4L01T4VC02T4012C	74	280	37 J	150	110	150	820	1620 JT	110	550	570	770	250		400	680	1500	420	1300	6550 T	8170 JT
T4-VC-03	WLCT4L01T4VC03T4013A	67 J	200	35 J	170	180	130	760	1540 JT	160	580	640	870	240		540	700	1200	570	1200	6700 T	8240 JT
HC-VC-B501-03	WLCT5K99B501O3largeC1	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UT	6 U	6 U	6 U	10 U	10 U	10 UT	6 U	6 U	6 U	6 U	6 U	10 UT	10 UT
HC-B501-C1	WLCT5K99B501C1B501C1	6 U	6 U	6 U	6 U	6 U	6 U	13	13 T	6 U	6	7	8	7	15 T	6 U	9	18	6 U	15	70 T	83 T
HC-B503-C1	WLCT5K99B503C1B503C1	6 U	7	6 U	8	6 U	6 U	36	51 T	6	33	43	38	31	69 T	36	43	65	34	71	400 T	451 T
WR-VC-01	WLR0499WRVC01WRVC01	23	52	23	40	27	30	150	345 T	2.9 U	56	96	76	23	99 T	50	65	150	23	160	699 T	1044 T
WR-VC-02	WLR0499WRVC02WRVC02	3.2 U	12	6.3	11	6.9	4.1	45	85.3 T	3.2 U	17	20	27	7.3	34.3 T	17	17	40	17	47	209 T	294.3 T
WR-VC-03	WLR0499WRVC03WRVC03	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.7	3.7 T	3.4 U	3.7	3.4 U	8.1	3.4 U	8.1 T	3.4 U	3.4 U	6.7	3.4 U	8.1	26.6 T	30.3 T
WR-VC-04	WLR0499WRVC04WRVC04	2.9 U	2.9 U	9.5	4.3	2.9 U	15	17	45.8 T	2.9 U	9.7	2.9 U	2.9 U	3.9 U	2.9 UT	13	11	21	6.9	24	85.6 T	131.4 T
WR-VC-05	WLR0499WRVC05WRA	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 UT	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 UT	3.2 U	3.2 U	3.8	3.2 U	5.1	8.9 T	8.9 T
WR-VC-05	WLR0499WRVC05WRVC05	2.8 U	2.8 U	3.6 U	3	2.8 U	5	13	21 T	2.8 U	4.7	4.7	13	2.8 U	13 T	2.8 U	8.5	17	5.5	18	71.4 T	92.4 T
WR-VC-06	WLR0499WRVC06WRVC06	2.8 U	2.8 U	4.3	3.4	2.8 U	2.8 U	12	19.7 T	2.8 U	9.4	2.8 U	13	4.8	17.8 T	2.8 U	13	26	2.8 U	23	89.2 T	108.9 T
WR-VC-07	WLR0499WRVC07WRVC07	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	7.3	7.3 T	2.9 U	5.3	8.5	7.9	2.9 U	7.9 T	2.9 U	8.2	12	2.9 U	14	55.9 T	63.2 T
WR-VC-08	WLR0499WRVC08WRVC08	3 U	3 U	3 U	3.6	3 U	6.3	9.6	19.5 T	3 U	11	13	9	3.3	12.3 T	6.3	6.9	19	7.2	17	92.7 T	112.2 T
WR-VC-08	WLR0499WRVC08WRVC8C	2.3 U	2.3 U	6.7	3.5	2.3 U	3.7	10	23.9 T	2.3 U	9	5.1	5.3	7.6	12.9 T	7.2	12	17	2.3 U	18	81.2 T	105.1 T
WR-VC-09	WLR0499WRVC09WRVC09	2.8 U	3.1	5.9	7.8	3.9	11	24	55.7 T	2.8 U	19	17	25	8.4	33.4 T	13	21	37	14	41	195 T	250.7 T
WR-BC-03	WLR0797WRBC03WRBC03	3 GB	5 UG	0.5 G	1 G	0.9 G	2 GB	5 G	12.4 T	5 GB	4 G	9 GB	8 G	7 G	15 T	12 GB	5 G	7 G	11 GB	8 G	76 T	88.4 T
WR-CD-40	WLR0797WRCD40RCD40A	0.6 G	5 UG	5 UG	5 UG	5 UG	0.4 G	1 G	2 T	5 UG	0.7 G	0.6 G	5 UG	5 UG	5 UT	0.7 G	0.7 G	2 G	5 UG	1 G	5.7 T	7.7 T
WR-CD-41	WLR0797WRCD41RCD41A	3 G	5 G	4 G	12 G	4 G	5 G	27 G	60 T	2 G	15 G	15 G	8 G	9 G	17 T	9 G	15 G	40 G	10 G	40 G	163 T	223 T
WR-CD-41	WLR0797WRCD41RCD41B	15 G	59 G	14 G	52 G	41 G	26 G	226 G	433 T	6 G	44 G	44 G	28 G	28 G	56 T	44 G	45 G	193 G	37 G	160 G	629 T	1062 T
WR-CD-42	WLR0797WRCD42RCD42A	11 G	5 G	9 G	10 G	6 G	26 G	45 G	112 T	2 G	13 G	14 G	13 G	12 G	25 T	14 G	21 G	51 G	12 G	50 G	202 T	314 T
WR-CD-42	WLR0797WRCD42RCD42B	11 G	6 G	4 G	13 G	9 G	11 G	51 G	105 T	5 G	23 G	23 G	17 G	18 G	35 T	18 G	29 G	61 G	17 G	62 G	273 T	378 T
WR-CD-42	WLR0797WRCD42RCD42C	24 G	11 G	6 G	20 G	11 G	23 G	74 G	169 T	7 G	45 G	42 G	35 G	31 G	66 T	31 G	51 G	112 G	29 G	114 G	497 T	666 T
WR-CD-42	WLR0797WRCD42RCD42D	22 G	14 G	7 G	19 G	15 G	44 G	90 G	211 T	5 G	35 G	34 G	25 G	25 G	50 T	26 G	39 G	101 G	23 G	93 G	406 T	617 T
WR-CD-43	WLR0797WRCD43RCD43A	5 G	10 G	4 G	13 G	6 G	25 G	35 G	98 T	5 G	50 G	29 G	32 G	30 G	62 T	21 G	62 G	172 G	22 G	149 G	572 T	670 T
WR-CD-43	WLR0797WRCD43RCD43B	2 G	4 G	3 G	5 G	2 G	4 G	10 G	30 T	2 G	15 G	19 G	13 G	12 G	25 T	17 G	19 G	25 G	16 G	38 G	176 T	206 T
WR-CD-43	WLR0797WRCD43WRD	20 G	93 G	32 G	56 G	50 G	212 G	208 G	671 T	15 G	135 G	168 G	91 G	92 G	183 T	121 G	149 G	310 G	116 G	450 G	1650 T	2321 T
WR-GC-02	WLR0797WRGC02RGC02A	4 GB	3 G	5 G	6 G	3 G	4 GB	20 GB	45 T	13 GB	44 G	103 G	59 G	63 G	122 T	77 GB	52 G	71 G	76 G	96 G	654 T	699 T
WR-GC-02	WLR0797WRGC02RGC02B	2 GB	0.9 G	0.7 G	1 G	1 G	1 GB	4 G	10.6 T	2 GB	2 G	5 GB	3 G	3 G	6 T	6 GB	2 G	4 G	6 GB	5 G	38 T	48.6 T
WR-GC-04	WLR0797WRGC04RGC04A	27 G	16 G	11 G	27 G	19 G	31 G	96 G	227 T	19 G	86 G	123 G	81 G	79 G	160 T	115 GB	112 G	158 G	108 G	198 G	1080 T	1307 T
WR-GC-04	WLR0797WRGC04RGC04B	12 G	7 G	4 G	18 G	10 G	24 G	65 G	140 T	6 G	32 G	40 G	27 G	27 G	54 T	39 GB	43 G	83 G	36 G	101 G	434 T	574 T
WR-GC-05	WLR0797WRGC05RGC05A	2 GB	1 G	1 G	2 G	2 G	3 GB	10 GB	21 T	1 GB	3 G	4 GB	4 G	3 G	7 T	5 GB	5 G	10 G	5 GB	12 G	52 T	73 T
WR-GC-05	WLR0797WRGC05RGC05B	2 GB	5 UG	0.3 G	5 UG	0.8 G	0.6 GB	3 GB	6.7 T	1 GB	1 G	1 GB	2 G	1 G	3 T	2 GB	1 G	1 G	2 GB	2 G	14 T	20.7 T
WR-GC-06	WLR0797WRGC06RGC06A	2 GB	0.7 G	0.6 G	0.6 G	0.7 G	1 GB	3 GB	8.6 T	0.9 GB	2 UG	2 GB	2 G	2 G	4 T	3 GB	2 G	3 G	3 GB	5 G	22.9 T	31.5 T
WR-GC-06	WLR0797WRGC06RGC06B	2 GB	1 G	1 G	3 G	2 G	2 GB	2 GB	13 T	0.8 GB	5 G	0.9 GB	5 UG	5 UG	10 T	1 GB	0.7 G	0.7 G	1 GB	0.9 G	11 T	24 T

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Table C2-20. PAH Values Used in Total PAH Calculations for Subsurface Sediment Samples

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**																					
WR-GC-11	WLR0797WRGC11RGC11A	130 G	122 G	62 G	160 G	105 G	221 G	684 G	1480 T	142 G	373 G	530 G	517 G	544 G	1060 T	832 G	452 G	673 G	802 G	789 G	5650 T	7130 T
WR-GC-18	WLR0797WRGC18RGC18A	170 G	148 G	10 G	61 G	133 G	230 G	331 G	1080 T	11 G	74 G	81 G	63 G	58 G	121 T	56 G	90 G	217 G	55 G	215 G	920 T	2000 T
WR-GC-19	WLR0797WRGC19RGC19A	5 UG	5 UG	5 UG	5 UG	5 UG	5 UG	5 UG	5 UT	5 UG	5 UG	0.5 G	5 G	5 G	10 T	0.7 G	5 UG	0.7 G	5 UG	0.9 G	12.8 T	12.8 T
WR-GC-24	WLR0797WRGC24RGC24A	82 G	104 G	27 G	111 G	77 G	129 G	540 G	1070 T	21 G	166 G	218 G	130 G	129 G	259 T	190 G	210 G	480 G	179 G	669 G	2390 T	3460 T
WR-GC-24	WLR0797WRGC24RGC24B	0.6 G	5 UG	0.2 G	5 UG	5 UG	0.6 G	5 UG	1.4 T	5 UG	5 UG	0.6 G	5 G	5 G	10 T	0.8 G	5 UG	5 UG	0.8 G	5 UG	12.2 T	13.6 T
WR-GC-25	WLR0797WRGC25RGC25A	44 G	129 G	25 G	64 G	102 G	64 G	356 G	784 T	22 G	92 G	162 G	116 G	117 G	233 T	131 G	105 G	324 G	125 G	313 G	1510 T	2294 T
WR-GC-30	WLR0797WRGC30RGC30A	39 G	8 G	7 G	17 G	11 G	19 G	68 G	169 T	8 G	46 G	43 G	34 G	34 G	68 T	34 G	53 G	96 G	35 G	87 G	470 T	639 T
WR-GC-31	WLR0797WRGC31RGC31A	8 G	5 G	5 G	9 G	7 G	16 G	44 G	94 T	4 G	21 G	22 G	16 G	18 G	34 T	17 G	28 G	57 G	17 G	53 G	253 T	347 T
WR-GC-32	WLR0797WRGC32RGC32A	5 UG	5 UG	5 UG	5 UG	5 UG	5 UG	5 UG	5 UT	5 UG	5 UG	0.5 G	25 G	21 G	46 T	0.7 G	5 UG	0.7 G	5 UG	0.9 G	48.8 T	48.8 T
WR-GC-33	WLR0797WRGC33RGC33A	42 G	9 G	7 G	15 G	14 G	24 G	73 G	184 T	5 G	28 G	25 G	22 G	18 G	40 T	21 G	42 G	69 G	18 G	81 G	329 T	513 T
WR-GC-34	WLR0797WRGC34RGC34A	24 G	21 G	66 G	42 G	13 G	55 G	124 G	345 T	17 G	157 G	170 G	88 G	108 G	196 T	87 G	137 G	217 G	96 G	237 G	1310 T	1655 T
WR-GC-35	WLR0797WRGC35RGC35A	25 G	10 G	6 G	19 G	10 G	32 G	82 G	184 T	7 G	49 G	42 G	37 G	35 G	72 T	29 G	54 G	110 G	30 G	104 G	497 T	681 T
WR-GC-37	WLR0797WRGC37RGC37A	5 UG	5 UG	5 UG	5 UG	5 UG	0.5 G	0.9 G	1.4 T	5 UG	0.7 G	0.7 G	5 UG	5 UG	5 UT	0.7 G	1 G	2 G	5 UG	2 G	7.1 T	8.5 T
WR-GC-38	WLR0797WRGC38RGC38A	3 G	19 G	8 G	23 G	8 G	9 G	88 G	158 T	4 G	37 G	62 G	31 G	32 G	63 T	59 G	38 G	124 G	49 G	136 G	572 T	730 T
WR-GC-39	WLR0797WRGC39RGC39A	1 G	10 G	4 G	12 G	3 G	3 G	42 G	75 T	3 G	15 G	20 G	9 G	11 G	20 T	16 G	16 G	41 G	14 G	48 G	193 T	268 T
CR-VC-01	WLR1199CRVC01RVC01R	2 U	2 U	2 U	2 U	2 U	2.6	2 U	2.6 T	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U	2 U	2 U	2 UT	2.6 T
WR-VC-02	WLR1199WRVC02WRVC02	45	44	12	17	26	9.3	73	226 T	2.9 U	30	47	39	17	56 T	39	29	67	35	86	389 T	615 T
WR-VC-03	WLR1199WRVC03WRVC03	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	7.5	7.5 T	2.8 U	11	15	12	4.2	16.2 T	10	13	19	2.8 U	21	105 T	112.5 T
WR-VC-04	WLR1199WRVC04WRVC04	3.1 U	3.1 U	3.1 U	7	3.1 U	3.1 U	6.7	13.7 T	3.1 U	13	13	17	6.7	23.7 T	3.1 U	16	21	3.1 U	22	109 T	122.7 T
WR-VC-05	WLR1199WRVC05WRVC05	2.7 U	2.7 U	3	3.5	2.7 U	2.7	15	24.2 T	2.7 U	9.2	2.7 U	9.2	4.3	13.5 T	7.3	7.5	21	2.7 U	25	83.5 T	107.7 T
WR-VC-06	WLR1199WRVC06C06ABC	5.3	2.2 U	18	4.5	6.9	41	27	103 T	2.2 U	16	16	2.2 U	2.2 U	2.2 UT	14	21	32	2.2 U	39	138 T	241 T
WR-VC-06	WLR1199WRVC06RVC06D	12	2.4 U	5.1	11	6.5	28	40	103 T	2.4 U	25	25	28	16	44 T	2.4 U	34	95	2.4 U	68	291 T	394 T
WR-VC-07	WLR1199WRVC07C07ABC	25	22	31	27	26	41	130	302 T	2.1 U	47	53	58	13	71 T	33	62	140	23	130	559 T	861 T
WR-VC-07	WLR1199WRVC07RVC07D	16	4.8	10	11	5.6	9.4	52	109 T	2 U	29	39	37	16	53 T	21	45	87	11	70	355 T	464 T
OSS001	WLRELF99OSS001SD0004	15	71	18	150	61	18 G	310	643 T	100	600	480	670	440	1110 T	200	930	1600	370	1200	6510 T	7153 T
OSS002	WLRELF99OSS002SD001	20	19	10 U	100	27	9	260	435 T	110 J	510	380	660	510	1170 T	270	890	730	410	590	5060 JT	5495 JT
OSS003	WLRELF99OSS003SD0022	15	100	20	82	55	35	100	407 T	36	330	230	230	170	400 T	120	340	440	200	630 J	2730 JT	3137 JT
OSS004	WLRELF99OSS004SD0013	250	230	33	870	570	77 G	15000	17000 T	1800 G	13000	9600	9700	16000	25700 T	4300	16000	23000	7000	18000	118000 T	135000 T
OSS005	WLRELF99OSS005SDC002	18 G	43	10 U	47	42	20	210	380 T	19 J	120	110	110 G	82	192 T	89	160	310	97	300	1400 JT	1780 JT
OSS006	WLRELF99OSS006SD0017	18	27	11	48	35	28	150	317 T	32 G	170	180	200	150	350 T	140	250	340	170	350	1980 T	2297 T
RB 1	WLRELF99RB1SD1002	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	6 J	30.5 J	49.5 J	58 J	48.5 J	107 T	51.5 J	47.5 J	62.5 J	58.5 J	84 J	497 JT	497 JT
RB 2	WLRELF99RB2SD1004	5 U	12.5 J	10 U	11 J	10.5 J	5 U	97 J	131 JT	11.5 J	70 J	83 J	95 J	70 J	165 T	50 J	81 J	172 J	69 J	142 J	844 JT	975 JT
RB 3	WLRELF99RB3SD1006	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	10 U	10 U	17 J	11 J	28 T	10 J	12 J	13.5 J	12 J	13 J	88.5 JT	88.5 JT
RB 4	WLRELF99RB4SD1008	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	14.5 J	13 J	14.5	13	27.5 T	9.5	18	19	11.5 J	23.5	137 JT	137 JT
RB 5	WLRELF99RB5SD1010	5 U	10 U	10 U	5 U	10 U	5 U	10 U	10 UT	5 U	10 U	10 U	10 U	10 U	10 UT	7 J	10 U	10 U	7 J	10 U	14 JT	14 JT
RB 6	WLRELF99RB6SD1012	5 U	10 U	10 U	6 J	20 U	5 J	23.5 J	34.5 JT	9 J	50 J	65 J	59 J	50.5 J	110 T	69 J	65 J	87 J	75.5 J	107 J	637 JT	671.5 JT
RB 6	WLRELF99RB6SD1014	8 J	25.5 J	22.5 J	24 J	17 J	27.5 J	166 J	291 JT	17 J	111 J	176 J	157 J	127 J	284 T	204 J	161 J	295 J	205 J	360 J	1810 JT	2101 JT
SD001	WR-WSI98SD0010000A	1400	4100	400	3000	2600	2900	18000	32400 T	830	4200	5700	4200	2900	7100 T	4600	5300	14000	3200	19000	63900 T	96300 T
SD007	WR-WSI98SD0070000A	360	600	71	360	360	1000	1500	4250 T	150	600	770	620	410	1030 T	770	800	1400	540	2000	8060 T	12310 T
SD013	WR-WSI98SD0130000A	390	640	94	550	520	1000	2700	5890 T	220	890	930	790	430	1220 T	920	1100	2100	680	2600	10700 T	16590 T
SD017	WR-WSI98SD0170000A	730	2500	220	1800	1700	1500	16000	24500 T	680	2400	3500	1800	2100	3900 T	3300	3300	11000	2500	15000	45600 T	70100 T
SD023	WR-WSI98SD0230000A	53	130	19 U	150	91	84	670	1180 T	200	600	960	830	670	1500 T	560	860	1000	580	1100	7360 T	8540 T
SD031	WR-WSI98SD0310000A	240	2200	48 U	1700	830	440	7600	13000 T	4400	10000	17000	14000	12000	26000 T	12000	13000	17000	12000	17000	128000 T	141000 T
SD035	WR-WSI98SD0350000A	860	5400	490	7800	4600	1900	42000	63100 T	2100	9900	13000	7600	5400	13000 T	13000	11000	34000	8700	48000	153000 T	216100 T
SD048	WR-WSI98SD048000ACC	340 JT	1250 JT	60.5 JT	1200 NT	2150 JT	350 JT	6800 T	12200 JT	71.5 NT	1050 T	825 T	1020 T	495 T	1510 T	375 T	900 T	4400 T	425 T	4000 T	13600 T	25800 JT
SD049	WR-WSI98SD0490000A	77 N	310	30	170	310	150	830	1880 T	42 N	560	380	710	490	1200 T	200	880 N	1200	220	1000	5680 T	7560 T
SD053	WR-WSI98SD0530000A	200 J	440 J	74 J	390	460 J	560 J	2400 J	4600 JT	100 N	870	910	960	680	1640 T	380	840	3000 J	510	1500	9750 JT	14350 JT
SD055C	WR-WSI98SD055C0000A	1400	7900	610	6200	6700	2000	46000	70800 T	1400 N	8100	11000	8000	6800	14800 T	9800	9300	33000	8900	40000	136000 T	206800 T
SD057	WR-WSI98SD0570000A	60	410	87	290	130	230	2300	3510 T	200	950	1200	1200	1000	2200 T	1800	1400	4200	1400	5600	19000 T	22510 T
SD071	WR-WSI98SD0710000A	65	220	20 U	75	160	96	440	1060 T	23	130	100	150	92	242 T	64	210	440	56	430	1700 T	2760 T
SD072	WR-WSI98SD0720000A	980	7200	110 U	3100	5000	200	16000	32500 T	110 U	1100	660	460	690	1150 T	340	1500	7200	310	6600	18900 T	51400 T
SD074	WR-WSI98SD0740000A	86	92	62	120	100	330	520	1310 T	47	220	250	220	190	410 T	260	330	630	180	860	3190 T	4500 T
SD081C	WR-WSI98SD081C0000A	89	180	60	170	110	240	1400	2250 T	82	390	710	440	380	820 T	590	540	1600	420	2100	7250 T	9500 T
SD084	WR-WSI98SD084000ACC	260 T	900 T	59.5 T	630 T	665 T	645 T	3800 T	6960 T	160 T	875 T	1130 T	765 T	730 T	1500 T	755 T	1350 T	3200 T	620 T	3350 T	12900 T	19860 T
SD090	WR-WSI98SD0900000A	79	240	21	230	170	100	770	1610 T	100	700	560	660	600	1260 T	270	970	1500	280	1600	7240 T	8850 T
SD092	WR-WSI98SD0920000A	610	290	48	250	600	1100	13000	15900 T	990	1800	510	5600	3000	8600 T	1800	7100	10000	1400	6000	38200 T	54100 T
SD096	WR-WSI98SD0960000A	41	79	40	56	61	130	360	767 T	40	180	180	160	170	330 T	130	230	490	95	560	2240 T	3007 T
SD100	WR-WSI98SD1000000A	20 U	20 U	20 U	20 U	20 U	20 U	41	41 T	20 U	20	29	27	20	47 T	24	35	52	20	56	283 T	324 T
SD102	WR-WSI98SD1020000A	180	120	31 N	150	190	140	820	1630 T	31	230	190	160	110	270 T	140	340	440	100	790	2530 T	4160 T
SD106	WR-WSI98SD1060000A	19 U	19 U	19 U	22	20	21	120	183 T	19 U	60	67	68	74	142 T	45	93	180	39	170	796 T	979 T
SD116	WR-WSI98SD1160000A	20 U	20 U	20 U	20 U	20 U	20 U	34	34 T	20 U	20 U	20 U	20	20 U	20 T	20 U	23	44	20 U	48	135 T	169 T
SD117	WR-WSI98SD1170000A	56	35	34	48	34	110	260	577 T	19 U	63	73	52	66	118 T	63	98	240	43	300	998 T	1575 T
SD120	WR-WSI98SD1200000A	110	380	20 U	160	300	97	1300	2350 T	20 U	190	100	120	130	250 T	46	310	1100	42	1000	3040 T	5390 T
SD122	WR-WSI98SD1220000A	19 U	22	19 U	43	31	51	150	297 T	19 U	60	56	77	64	141 T	43	98	180	49	200	827 T	1124 T
SD125	WR-WSI98SD1250000A	20	38	20 U	74	51	51	310	544 T	20 U	150	150	210	110	320 T	87	200	320	120	360	1710 T	2254 T
SD127	WR-WSI98SD1270000A	24	40	19 U	67	48	58	260	497 T	19 U	140	120	130	90	220 T	79	170	280	86	320	1420 T	1917 T
SD133	WR-WSI98SD1330000A	86	320	32	320	340	110	2200	3410 T	290	1300	1100	1400	780	2180 T	740	1300	2900	970	2400	13200 T	16610 T
SD135	WR-WSI98SD1350000A	54	28	20 U	27	29	84	200	422 T	20 U	57	72	64	54	118 T	65	95	200	47	240	894 T	1316 T
SD136	WR-WSI98SD1360000A	19 U	19 U	19 U	19 U	19 U	19 U	61	61 T	19 U	40	48	46	42	88 T	48	60	130	33	130	577 T	638 T
SD138	WR-WSI98SD1380000A	19 U	19 U	19 U	21	19 U	35	92	148 T	20	63	70	79	69	148 T	62	90	130	47	150	780 T	928 T
SD141	WR-WSI98SD1410000A	59	86	30	85	87	120	400	867 T	53	180	200	190	140	330 T	220	250	450	150	650	2480 T	3347 T
SD143	WR-WSI98SD1430000A	2000	910 U	910 U	910 U	910 U	910 U	1100	3100 T	910 U	910 U	910 U	910 U	910 U	910 UT	910 U	910 U	910 U	910 U	910 U	910 UT	3100 T
SD150	WR-WSI98SD1500000A	19 U	19 U	19 U	24	19 U	19 U	59	83 T	19 UJ	30	34	35	34	69 T	26	50	69	19 UJ	88	366 T	449 T
SD151	WR-WSI98SD1510000A	19 U	21	19 U	19 U	22	30	99	172 T	19 UJ	38	38	58	36	94 T	32	64	130	24 J	150	570 JT	742 JT

Notes:
B - Analyte detected in method blank.
G - Estimate is greater than value shown.
H - Holding time exceeded.
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C060	LW2-C060-B	0.066 U	0.26 U	0.12 U	0.22 U	0.14 U	0.22 UT	0.26 UT
C060	LW2-C060-C	0.093 J	0.26 U	0.13 U	0.23 U	0.86 U	0.86 UT	0.093 JT
C061	LW2-C061-B	0.12 J	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.12 JT
C061	LW2-C061-C	0.06 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C061	LW2-C061-E	0.14 J	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.14 JT
C062	LW2-C062-B	0.37 J	0.19 U	0.089 U	0.17 U	0.094 U	0.17 UT	0.37 JT
C062	LW2-C062-C	1.4	0.45 U	0.29 J	0.59 U	0.33 U	0.59 UT	1.69 JT
C062	LW2-C062-D	0.55 J	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.55 JT
C064	LW2-C064-B	0.23 J	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.23 JT
C064	LW2-C064-C	0.079 J	0.24 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.079 JT
C064	LW2-C064-G	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C067	LW2-C067-B	0.068 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
C067	LW2-C067-D	0.067 U	0.26 U	0.13 U	0.23 U	0.23 U	0.23 UT	0.26 UT
C067	LW2-C067-E	0.98	0.35 J	0.13 J	0.32 U	0.29 U	0.32 UT	1.46 JT
C073	LW2-C073-B	0.13 J	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.13 JT
C073	LW2-C073-C	0.29 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.29 JT
C073	LW2-C073-D	0.17 J	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.17 JT
C074	LW2-C074-B	0.064 U	0.25 U	0.12 U	0.22 U	0.25 U	0.25 UT	0.25 UT
C074	LW2-C074-C	0.21 J	0.21 U	0.097 U	0.32 U	0.11 U	0.32 UT	0.21 JT
C074	LW2-C074-D	0.14 J	0.37 J	0.11 U	2	0.17 U	2 T	2.51 JT
C074	LW2-C074-F	0.3 J	0.22 J	0.097 U	0.29 U	0.11 U	0.29 UT	0.52 JT
C078	LW2-C078-B	0.067 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C078	LW2-C078-C	0.066 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C078	LW2-C078-D	0.085 U	0.62 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.62 UT
C079	LW2-C079-B	0.06 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C079	LW2-C079-C	0.28 U	1.6 U	0.11 U	0.19 U	0.11 U	0.19 UT	1.6 UT
C079	LW2-C079-D	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C080	LW2-C080-B	0.17 J	0.33 J	0.09 U	0.17 U	0.095 U	0.17 UT	0.5 JT
C080	LW2-C080-C	0.069 U	0.2 U	0.09 U	0.17 U	0.096 U	0.17 UT	0.2 UT
C080	LW2-C080-D	0.06 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C082	LW2-C082-B1	0.075 J	0.23 J	0.096 U	0.18 U	0.11 U	0.18 UT	0.305 JT
C082-2	LW2-C082-B2	0.124 JT	0.25 JT	0.095 UT	0.18 UT	0.1 UT	0.18 UT	0.374 JT
C082	LW2-C082-C1	0.051 U	0.2 U	0.092 U	0.17 U	0.098 U	0.17 UT	0.2 UT
C082-2	LW2-C082-C2	0.12 JT	0.28 JT	0.092 UT	0.17 UT	0.097 UT	0.17 UT	0.4 JT
C082	LW2-C082-D1	0.044 U	0.17 U	0.08 U	0.15 U	0.084 U	0.15 UT	0.17 UT
C082-2	LW2-C082-D2	0.048 UT	0.19 UT	0.088 UT	0.16 UT	0.093 UT	0.16 UT	0.19 UT
C083	LW2-C083-B	0.07 J	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.07 JT
C083	LW2-C083-C	0.11 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.11 JT
C083	LW2-C083-D	0.046 U	0.18 U	0.084 U	0.16 U	0.089 U	0.16 UT	0.18 UT
C084	LW2-C084-B	0.069 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
C084	LW2-C084-C	0.058 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C084	LW2-C084-D	0.13 U	0.52 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.52 UT
C084	LW2-C084-E	0.054 U	0.31 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.31 UT
C086	LW2-C086-B	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C086	LW2-C086-C	0.12 J	0.19 U	0.087 U	0.16 U	0.092 U	0.16 UT	0.12 JT
C086	LW2-C086-D	0.045 J	0.18 U	0.081 U	0.15 U	0.086 U	0.15 UT	0.045 JT
C087	LW2-C087-B	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C087	LW2-C087-C	0.12 U	0.38 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.38 UT
C087	LW2-C087-D	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
C088	LW2-C088-B	0.064 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C088	LW2-C088-C	0.047 U	0.18 U	0.085 U	0.16 U	0.09 U	0.16 UT	0.18 UT
C089	LW2-C089-B	0.053 U	0.21 U	0.096 U	0.2 J	0.11 U	0.2 JT	0.2 JT
C089	LW2-C089-C	0.05 U	0.19 U	0.09 U	0.17 U	0.095 U	0.17 UT	0.19 UT
C089	LW2-C089-D	0.071 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.071 JT
C089	LW2-C089-F	0.061 U	0.24 U	0.11 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C090	LW2-C090-B	0.2 J	0.44 J	0.12 U	0.21 U	0.31 J	0.31 JT	0.95 JT
C090	LW2-C090-C	0.048 U	0.19 U	0.086 U	0.16 U	0.091 U	0.16 UT	0.19 UT
C090	LW2-C090-D	0.048 U	0.19 U	0.088 U	0.16 U	0.093 U	0.16 UT	0.19 UT
C091	LW2-C091-B	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C091	LW2-C091-C	0.068 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
C091	LW2-C091-D	0.052 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C092	LW2-C092-B	7.1	31	200	4100	830	4930 T	5168.1 T
C092	LW2-C092-C	0.063 U	1.3 U	3.3	19	5.9	24.9 T	28.2 T
C092	LW2-C092-D	0.057 U	0.22 U	0.11 U	0.19 U	0.72 J	0.72 JT	0.72 JT
C092	LW2-C092-E	0.058 U	0.23 U	0.22 J	0.82 J	0.32 J	1.14 JT	1.36 JT
C092	LW2-C092-F	0.058 U	0.23 U	0.11 U	0.27 J	0.12 U	0.27 JT	0.27 JT
C093	LW2-C093-B	0.09 U	0.35 U	0.17 U	0.3 U	2	2 T	2 T
C093	LW2-C093-C	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C094	LW2-C094-B	0.074 U	0.29 U	0.14 U	0.25 U	0.18 J	0.18 JT	0.18 JT
C094	LW2-C094-C	0.087 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.087 JT

Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C094	LW2-C094-E	0.062 J	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.062 JT
C096	LW2-C096-B	0.11 J	0.25 U	0.092 U	0.17 U	0.098 U	0.17 UT	0.11 JT
C096	LW2-C096-C	0.052 U	0.2 U	0.094 U	0.18 U	0.1 U	0.18 UT	0.2 UT
C096	LW2-C096-D	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
C099	LW2-C099-B	0.072 U	0.28 U	0.14 U	0.24 U	0.14 U	0.24 UT	0.28 UT
C099	LW2-C099-C	0.067 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
C099	LW2-C099-D	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
C103	LW2-C103-B	0.069 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
C103	LW2-C103-D	0.065 U	0.25 U	0.12 U	0.22 U	0.17 J	0.17 JT	0.17 JT
C103	LW2-C103-E	0.21 J	0.54 U	0.092 U	0.17 U	0.098 U	0.17 UT	0.21 JT
C106	LW2-C106-B	0.073 U	0.28 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.28 UT
C106	LW2-C106-C	0.066 U	0.26 U	0.12 U	0.22 U	0.17 J	0.17 JT	0.17 JT
C106	LW2-C106-E	0.13 J	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.13 JT
C106	LW2-C106-F	0.46 J	1.4	0.099 U	0.18 U	0.11 U	0.18 UT	1.86 JT
C109	LW2-C109-B	0.12 J	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.12 JT
C109	LW2-C109-C	0.068 U	0.27 U	0.13 U	0.23 U	0.36 J	0.36 JT	0.36 JT
C109	LW2-C109-E	0.14 J	0.26 J	0.094 U	0.2 J	0.099 U	0.2 JT	0.6 JT
C111-1	LW2-C111-B	0.091 J	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.091 JT
C111-2	LW2-C111-B2	0.068 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
C111-1	LW2-C111-C	0.068 U	0.26 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.26 UT
C111-2	LW2-C111-C2	0.067 U	0.26 U	0.13 U	0.23 U	0.24 U	0.24 UT	0.26 UT
C111-2	LW2-C111-E2	0.065 U	0.25 U	0.12 U	0.22 U	0.25 U	0.25 UT	0.25 UT
C111-1	LW2-C111-F	0.25 J	0.22 U	0.11 U	0.19 U	0.12 U	0.19 UT	0.25 JT
C112	LW2-C112-B	0.069 U	0.27 U	0.13 U	0.23 U	0.21 U	0.23 UT	0.27 UT
C112	LW2-C112-C	0.068 U	0.27 U	0.13 U	0.23 U	0.14 U	0.23 UT	0.27 UT
C112	LW2-C112-D	0.067 U	0.26 U	0.13 U	0.23 U	0.18 U	0.23 UT	0.26 UT
C121	LW2-C121-B	0.089 J	0.26 U	0.13 U	0.23 U	0.14 J	0.14 JT	0.229 JT
C121	LW2-C121-C	0.063 U	0.24 U	0.12 U	0.21 U	0.17 J	0.17 JT	0.17 JT
C121	LW2-C121-D	0.054 U	0.21 U	0.099 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C122	LW2-C122-B	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C122	LW2-C122-C	0.062 U	0.24 U	0.12 U	0.21 U	0.18 U	0.21 UT	0.24 UT
C127	LW2-C127-B	0.086 J	0.26 U	0.13 U	0.23 U	0.3 J	0.3 JT	0.386 JT
C127	LW2-C127-C	0.25 J	0.63 J	0.13 U	0.23 U	0.29 J	0.29 JT	1.17 JT
C127	LW2-C127-D	0.053 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C127	LW2-C127-F	0.053 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C144	LW2-C144-B	0.078 U	0.3 U	0.15 U	0.34 U	0.39 U	0.39 UT	0.39 UT
C144	LW2-C144-D	0.099 J	0.21 U	0.099 U	0.19 U	0.13 U	0.19 UT	0.099 JT
C144	LW2-C144-E	0.053 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C147	LW2-C147-B	0.072 U	0.28 U	0.14 U	0.24 U	0.32 U	0.32 UT	0.32 UT
C147	LW2-C147-C	0.067 U	0.26 U	0.17 J	0.23 U	0.91 J	0.91 JT	1.08 JT
C147	LW2-C147-E	0.12 J	0.27 U	0.32 J	0.31 U	1.8	1.8 T	2.24 JT
C148	LW2-C148-B	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C148	LW2-C148-C	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C148	LW2-C148-E	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C152	LW2-C152-B	0.098 J	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.098 JT
C152	LW2-C152-C	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C152	LW2-C152-E	0.052 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C155	LW2-C155-B	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C155	LW2-C155-C	0.07 J	0.24 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.07 JT
C155	LW2-C155-D	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C156	LW2-C156-B	0.074 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C156	LW2-C156-C	0.084 J	0.27 U	0.13 U	0.23 U	0.18 U	0.23 UT	0.084 JT
C156	LW2-C156-F	0.066 J	0.2 U	0.09 U	0.17 U	0.096 U	0.17 UT	0.066 JT
C157	LW2-C157-B	0.17 J	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.17 JT
C157	LW2-C157-C	0.15 J	0.24 U	0.12 U	0.21 U	0.19 J	0.19 JT	0.34 JT
C158	LW2-C158-B	0.073 U	0.28 U	0.14 U	0.34 U	0.36 U	0.36 UT	0.36 UT
C158	LW2-C158-C	0.07 U	0.27 U	0.13 U	0.24 U	0.35 U	0.35 UT	0.35 UT
C158	LW2-C158-D	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C158	LW2-C158-E	0.052 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C160	LW2-C160-B	0.066 U	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.26 UT
C160	LW2-C160-C	0.07 J	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.07 JT
C161	LW2-C161-B	0.063 U	0.25 U	0.12 U	0.21 U	0.13 U	0.21 UT	0.25 UT
C161	LW2-C161-C	0.18 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.18 JT
C161	LW2-C161-D	0.055 U	0.22 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C162	LW2-C162-B	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C162	LW2-C162-C	0.065 U	0.46 J	0.12 U	0.22 U	0.34 U	0.34 UT	0.46 JT
C162	LW2-C162-D	0.051 U	0.2 U	0.093 U	0.17 U	0.098 U	0.17 UT	0.2 UT
C163-1	LW2-C163-B1	0.089 J	0.19 U	0.087 U	0.16 U	0.091 U	0.16 UT	0.089 JT
C163-2	LW2-C163-B2	0.069 JT	0.19 UT	0.086 UT	0.16 UT	0.091 UT	0.16 UT	0.069 JT
C163-1	LW2-C163-C1	0.089 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.089 JT

Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C163-2	LW2-C163-C2	0.18 JT	0.23 UT	0.11 UT	0.2 UT	0.12 UT	0.2 UT	0.18 JT
C163-1	LW2-C163-D1	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C163-2	LW2-C163-D2	0.056 UT	0.22 UT	0.11 UT	0.19 UT	0.11 UT	0.19 UT	0.22 UT
C166	LW2-C166-B	0.057 U	0.22 U	0.11 U	0.19 U	0.12 U	0.19 UT	0.22 UT
C166	LW2-C166-C	0.063 U	0.25 U	0.12 U	0.45 U	0.26 U	0.45 UT	0.45 UT
C166	LW2-C166-D	0.062 U	0.24 U	0.12 U	0.21 U	0.52 U	0.52 UT	0.52 UT
C167	LW2-C167-B	0.077 J	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.077 JT
C167	LW2-C167-C	0.07 U	0.27 U	0.13 U	0.24 U	0.15 J	0.15 JT	0.15 JT
C167	LW2-C167-D	0.1 J	0.27 U	0.11 U	0.19 U	0.13 J	0.13 JT	0.23 JT
C167	LW2-C167-F	0.13 J	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.13 JT
C169	LW2-C169-B	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C169	LW2-C169-C	0.068 U	0.26 U	0.13 U	0.23 U	0.13 J	0.13 JT	0.13 JT
C169	LW2-C169-D	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C170	LW2-C170-B	0.1 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.1 JT
C170	LW2-C170-C	0.12 J	0.2 U	0.093 U	0.17 U	0.099 U	0.17 UT	0.12 JT
C170	LW2-C170-D	0.14 J	0.2 U	0.092 U	0.17 U	0.097 U	0.17 UT	0.14 JT
C171	LW2-C171-B	0.073 U	0.28 U	0.14 U	0.25 U	0.16 J	0.16 JT	0.16 JT
C171	LW2-C171-C	0.062 U	0.24 U	0.12 U	0.21 U	0.19 J	0.19 JT	0.19 JT
C171	LW2-C171-D	0.15 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.15 JT
C172	LW2-C172-B	0.068 U	0.37 J	0.13 U	0.23 U	0.14 U	0.23 UT	0.37 JT
C172	LW2-C172-C	0.23 J	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.23 JT
C172	LW2-C172-E	0.068 J	0.21 U	0.098 U	0.18 U	0.25 U	0.25 UT	0.068 JT
C173	LW2-C173-B	0.077 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C173	LW2-C173-C	0.071 U	0.28 U	0.13 U	0.24 U	0.15 J	0.15 JT	0.15 JT
C173	LW2-C173-E	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C176	LW2-C176-B	0.074 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C176	LW2-C176-C	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C176	LW2-C176-G	0.2 J	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.2 JT
C179	LW2-C179-B	0.067 U	0.26 U	0.13 U	0.23 U	0.64 U	0.64 UT	0.64 UT
C179	LW2-C179-C	0.14 J	0.24 U	0.12 U	0.28 J	0.42 U	0.28 JT	0.42 JT
C179	LW2-C179-D	0.062 U	0.24 U	0.12 U	0.21 J	0.28 U	0.21 JT	0.21 JT
C184	LW2-C184-B	0.07 U	0.27 U	0.13 U	0.24 U	0.19 J	0.19 JT	0.19 JT
C184	LW2-C184-C	0.32 J	0.24 U	0.12 U	0.23 J	0.41 J	0.64 JT	0.96 JT
C184	LW2-C184-D	0.061 U	0.24 U	0.11 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C184	LW2-C184-E	0.069 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.069 JT
C185	LW2-C185-B	0.065 U	0.25 U	0.12 U	0.22 U	0.89 J	0.89 JT	0.89 JT
C185	LW2-C185-C	0.15 J	0.24 U	0.11 U	0.21 U	0.71 J	0.71 JT	0.86 JT
C185	LW2-C185-D	0.22 J	0.21 U	0.095 U	0.18 U	0.11 U	0.18 UT	0.22 JT
C187	LW2-C187-B	0.059 U	0.23 U	0.11 U	0.2 U	0.26 J	0.26 JT	0.26 JT
C187	LW2-C187-C	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C187	LW2-C187-D	0.2 J	0.36 J	0.092 U	0.17 U	0.097 U	0.17 UT	0.56 JT
C187	LW2-C187-E	0.054 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C192	LW2-C192-B	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C192	LW2-C192-C	0.19 J	0.29 J	0.23 J	0.57 U	0.9 J	0.9 JT	1.61 JT
C192	LW2-C192-D	0.11 J	0.2 U	0.094 U	0.19 U	0.099 U	0.19 UT	0.11 JT
C196	LW2-C196-B	0.11 J	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.11 JT
C196	LW2-C196-C	0.078 J	0.2 U	0.093 U	0.17 U	0.099 U	0.17 UT	0.078 JT
C199	LW2-C199-B	0.063 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C199	LW2-C199-C	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C199	LW2-C199-E	0.082 J	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.082 JT
C202	LW2-C202-B	0.073 U	0.28 U	0.14 U	0.25 U	1.7	1.7 T	1.7 T
C202	LW2-C202-C	0.069 U	0.27 U	0.13 U	0.23 U	0.52 U	0.52 UT	0.52 UT
C202	LW2-C202-D	0.08 J	0.19 U	0.088 U	0.17 U	0.093 U	0.17 UT	0.08 JT
C203	LW2-C203-B	0.11 J	0.27 U	0.13 U	0.23 U	0.18 J	0.18 JT	0.29 JT
C203	LW2-C203-C	0.061 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
C203	LW2-C203-E	0.18 J	0.22 U	0.21 J	0.19 U	0.43 J	0.43 JT	0.82 JT
C206	LW2-C206-B	0.087 U	0.3 U	0.14 U	0.26 U	0.62 J	0.62 JT	0.62 JT
C206	LW2-C206-C	0.089 U	0.19 U	0.087 U	0.16 U	0.092 U	0.16 UT	0.19 UT
C206	LW2-C206-D	0.059 U	0.18 U	0.085 U	0.16 U	0.09 U	0.16 UT	0.18 UT
C207-1	LW2-C207-B	0.071 U	0.28 U	0.13 U	0.24 U	0.55 U	0.55 UT	0.55 UT
C207-2	LW2-C207-B2	0.07 UT	0.27 UT	0.13 UT	0.24 UT	0.31 UT	0.31 UT	0.31 UT
C207-1	LW2-C207-C	0.058 U	0.23 U	0.11 U	0.2 U	0.35 U	0.35 UT	0.35 UT
C207-2	LW2-C207-C2	0.089 JT	0.23 UT	0.11 UT	0.2 UT	0.12 UT	0.2 UT	0.089 JT
C207-1	LW2-C207-D	0.15 J	0.31 J	0.12 U	0.21 U	0.12 U	0.21 UT	0.46 JT
C210	LW2-C210-B	0.26 J	0.22 U	0.52 J	0.3 J	0.35 J	0.65 JT	1.43 JT
C210	LW2-C210-C	0.36 J	0.63 U	0.89 J	0.44 J	0.48 J	0.92 JT	2.17 JT
C210	LW2-C210-E	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C213	LW2-C213-B	0.11 U	0.19 U	0.089 U	0.17 U	0.094 U	0.17 UT	0.19 UT
C213	LW2-C213-C	0.11 U	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C213	LW2-C213-D	0.053 U	0.21 U	0.095 U	0.18 U	0.11 U	0.18 UT	0.21 UT

Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C215	LW2-C215-B	0.092 J	0.19 U	0.089 U	0.17 U	0.094 U	0.17 UT	0.092 JT
C215	LW2-C215-C	0.45 J	0.2 U	0.092 U	0.17 U	0.097 U	0.17 UT	0.45 JT
C263	LW2-C263-B	46	34	31	15	10	25 T	136 T
C263	LW2-C263-C	140 J	46 U	1400	93 J	340	433 JT	1973 JT
C263	LW2-C263-D	7.3	1.3 U	640	3.6	8	11.6 T	658.9 T
C264	LW2-C264-B	280	30 J	3200	510	280	790 T	4300 JT
C264	LW2-C264-C	0.19 J	0.21 U	0.1 U	0.19 U	0.17 J	0.17 JT	0.36 JT
C264	LW2-C264-D	0.16 J	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.16 JT
C269	LW2-C269-B	0.072 U	0.28 U	0.21 J	0.34 U	2.1 U	2.1 UT	0.21 JT
C269	LW2-C269-C	1.2	0.55 J	35	0.24 U	4.7 U	4.7 UT	36.75 JT
C269	LW2-C269-F	2.7	0.38 J	7.9	0.92 U	2.2	2.2 T	13.18 JT
C270	LW2-C270-B	0.31 J	0.97	1.2	1.1	5.1	6.2 T	8.68 JT
C270	LW2-C270-C	0.4 J	0.34 J	1.2	0.93 J	2.6	3.53 JT	5.47 JT
C273	LW2-C273-B	190	19 U	260	180	150	330 T	780 T
C273	LW2-C273-C	2.3	0.56 U	3.4	4.6	9.7	14.3 T	20 T
C273	LW2-C273-D	0.067 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
C276	LW2-C276-B	30	5.5	62	16	24	40 T	137.5 T
C276	LW2-C276-C	100000	38000	40000	47000	21000	68000 T	246000 T
C276	LW2-C276-D	6.7	1.2	1.8	1.6	1.7	3.3 T	13 T
C278	LW2-C278-B	20 U	19 U	64 J	36 U	31 J	31 JT	95 JT
C278	LW2-C278-C	18 U	16 U	680	53 J	210	263 JT	943 JT
C278	LW2-C278-D	0.11 J	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.11 JT
C283	LW2-C283-B	440 J	180 U	6000	600 J	2500	3100 JT	9540 JT
C283	LW2-C283-C	80	17	2100	82	150	232 T	2429 T
C283	LW2-C283-E	0.45 J	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.45 JT
C284	LW2-C284-B	740	19 U	940	460	330	790 T	2470 T
C284	LW2-C284-C	70000	1600 U	31000	34000	15000	49000 T	150000 T
C284	LW2-C284-D	14 U	13 U	17 J	24 U	11 U	24 UT	17 JT
C284	LW2-C284-E	1.6	0.36 J	0.7 J	0.8 J	0.96	1.76 JT	4.42 JT
C288	LW2-C288-B	2.9	1.5	13	4.8	14	18.8 T	36.2 T
C288	LW2-C288-C	1.3	0.57 U	2	1.8	2.7	4.5 T	7.8 T
C288	LW2-C288-D	0.19 J	0.25 U	0.3 J	0.78 J	0.88	1.66 JT	2.15 JT
C289	LW2-C289-B	0.4 J	0.63 U	2.3	1.8	3.5	5.3 T	8 JT
C289	LW2-C289-C	4.8	2.2	72	9.5	35	44.5 T	123.5 T
C289	LW2-C289-E	0.11 U	0.2 U	0.094 U	0.18 U	0.11 U	0.18 UT	0.2 UT
C294	LW2-C294-B	2100 J	800 U	13000	3000 J	4200	7200 JT	22300 JT
C294	LW2-C294-C	6.5	0.86 J	5.2	2	3.7	5.7 T	18.26 JT
C294	LW2-C294-D	0.058 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C299	LW2-C299-B	11000	3000 J	11000	7200	3800 J	11000 JT	36000 JT
C299	LW2-C299-C	1800	1200	2700	2600	1300	3900 T	9600 T
C300-2	LW2-C300-B	0.072 U	0.28 U	0.14 U	0.24 U	0.18 U	0.24 UT	0.28 UT
C300-2	LW2-C300-C	0.068 U	0.26 U	0.13 U	0.23 U	0.19 U	0.23 UT	0.26 UT
C300-2	LW2-C300-D	0.15 J	0.21 U	0.098 J	0.25 U	0.14 U	0.25 UT	0.248 JT
C301	LW2-C301-B	1700	190 J	5700	1900	2400	4300 T	11890 JT
C301	LW2-C301-C	160000	87000	140000	99000	48000	147000 T	534000 T
C301	LW2-C301-D	58000	35000	22000	32000	14000	46000 T	161000 T
C301	LW2-C301-E	270000	190000	110000	200000	80000	280000 T	850000 T
C301	LW2-C301-G	28000	8800	9900	20000	7400	27400 T	74100 T
C302	LW2-C302-B	160	25 J	1200	490	540	1030 T	2415 JT
C302	LW2-C302-C	94000	39000	90000	51000	27000	78000 T	301000 T
C302	LW2-C302-D	33000	11000	32000	19000	9800	28800 T	104800 T
C305-1	LW2-C305-B1	19 U	18 U	120	34 U	77 J	77 JT	197 JT
C305-2	LW2-C305-B2	52 J	35 U	2600	270	740	1010 T	3662 JT
C305-1	LW2-C305-C1	2	0.56 U	1.1	0.78 J	1.1	1.88 JT	4.98 JT
C305-2	LW2-C305-C2	53	6.9	390 J	25	61	86 T	535.9 JT
C305-1	LW2-C305-D1	0.17 J	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.17 JT
C305-2	LW2-C305-D2	0.11 J	0.2 U	0.092 U	0.17 U	0.097 U	0.17 UT	0.11 JT
C311	LW2-C311-B	0.089 J	0.27 U	0.13 U	0.24 U	0.45 U	0.45 UT	0.089 JT
C311	LW2-C311-C	0.52 J	0.27 U	0.13 U	0.96	0.98 U	0.96 T	1.48 JT
C311	LW2-C311-E	0.48 J	0.24 U	0.11 U	0.21 U	0.23 U	0.23 UT	0.48 JT
C312	LW2-C312-B	0.086 J	0.21 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.086 JT
C312	LW2-C312-C	0.049 U	0.19 U	0.089 U	0.17 U	0.094 U	0.17 UT	0.19 UT
C313	LW2-C313-B	0.28 J	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.28 JT
C313	LW2-C313-C	0.22 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 JT
C314	LW2-C314-B	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C314	LW2-C314-C	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C314	LW2-C314-D	0.16 J	0.21 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.16 JT
C316	LW2-C316-B	18 U	17 U	17 U	31 U	13 U	31 UT	31 UT
C316	LW2-C316-C	0.067 U	0.32 J	0.13 U	0.55 U	0.62 U	0.62 UT	0.32 JT
C316	LW2-C316-D	0.66 J	0.74 J	4.6	3.3	16	19.3 T	25.3 JT

Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C321	LW2-C321-B1	0.055 U	0.21 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.21 UT
C321-2	LW2-C321-B2	0.057 UT	0.22 UT	0.11 UT	0.19 UT	0.11 UT	0.19 UT	0.22 UT
C321	LW2-C321-C1	0.24 J	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.24 JT
C321	LW2-C321-E1	0.14 J	0.2 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.14 JT
C321-2	LW2-C321-E2	0.05 U	0.2 U	0.091 U	0.17 U	0.096 U	0.17 UT	0.2 UT
C323	LW2-C323-B	0.25 U	0.33 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.33 UT
C323	LW2-C323-C	0.16 U	0.21 U	0.098 U	0.18 U	0.21 U	0.21 UT	0.21 UT
C323	LW2-C323-D	0.31 U	0.2 U	0.091 U	0.17 U	0.099 U	0.17 UT	0.31 UT
C323	LW2-C323-E	0.1 U	0.22 U	0.11 U	0.19 U	0.17 U	0.19 UT	0.22 UT
C324	LW2-C324-B	0.39 U	0.32 U	0.11 U	0.23 U	0.22 U	0.23 UT	0.39 UT
C324	LW2-C324-D	0.29 U	0.21 U	0.27 J	0.73 U	0.31 U	0.73 UT	0.27 JT
C324	LW2-C324-E	0.33 U	0.22 U	0.11 J	0.2 U	0.25 U	0.25 UT	0.11 JT
C326	LW2-C326-B	0.13 U	0.26 U	0.13 U	0.23 U	0.13 U	0.23 UT	0.26 UT
C326	LW2-C326-C	0.16 U	0.19 U	0.089 U	0.17 U	0.3 U	0.3 UT	0.3 UT
C326	LW2-C326-D	0.065 U	0.2 U	0.093 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C327	LW2-C327-B	0.1 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C327	LW2-C327-C	0.18 U	0.28 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.28 UT
C327	LW2-C327-D	0.14 U	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C329	LW2-C329-B	0.1 J	0.29 U	0.13 J	0.19 U	0.11 J	0.11 JT	0.34 JT
C329	LW2-C329-C	0.12 J	0.23 U	4.3	1.8	2.6	4.4 T	8.82 JT
C329	LW2-C329-D	0.053 U	0.21 U	0.46 J	0.24 J	0.32 J	0.56 JT	1.02 JT
C331	LW2-C331-B	0.75 J	0.2 U	0.093 U	0.19 U	0.14 U	0.19 UT	0.75 JT
C331	LW2-C331-C	0.48 J	0.21 U	0.098 U	0.18 U	0.11 U	0.18 UT	0.48 JT
C331	LW2-C331-D	0.069 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C331	LW2-C331-E	0.47 J	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.47 JT
C331	LW2-C331-G	1.2	0.2 U	0.093 U	0.17 U	0.098 U	0.17 UT	1.2 T
C332	LW2-C332-B	0.076 U	0.29 U	0.14 U	1.1	1.2	2.3 T	2.3 T
C332	LW2-C332-C	0.099 J	0.2 U	0.092 U	0.17 U	0.097 U	0.17 UT	0.099 JT
C332	LW2-C332-D	0.093 U	0.19 U	0.087 U	0.16 U	0.092 U	0.16 UT	0.19 UT
C333	LW2-C333-B	0.066 U	0.26 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.26 UT
C333	LW2-C333-C	0.13 U	0.2 U	0.094 U	0.18 U	0.099 U	0.18 UT	0.2 UT
C333	LW2-C333-E	0.16 U	0.21 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.21 UT
C333	LW2-C333-G	0.15 U	0.2 U	0.092 U	0.17 U	0.097 U	0.17 UT	0.2 UT
C334	LW2-C334-B	0.25 U	2 U	4.4	31	32	63 T	67.4 T
C334	LW2-C334-C	0.14 U	0.2 U	0.092 U	0.27 U	0.097 U	0.27 UT	0.27 UT
C334	LW2-C334-D	0.1 U	0.27 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.27 UT
C335	LW2-C335-B	0.054 U	0.21 U	0.097 U	0.46 U	0.28 U	0.46 UT	0.46 UT
C335	LW2-C335-C	0.065 U	0.25 U	0.19 J	14	4.6	18.6 T	18.79 JT
C335	LW2-C335-E	0.055 U	0.21 U	0.099 U	0.19 U	0.11 U	0.19 UT	0.21 UT
C348	LW2-C348-B	0.11 U	0.29 U	0.14 U	0.26 U	0.27 U	0.27 UT	0.29 UT
C348	LW2-C348-C	0.34 U	0.4 U	0.2 U	0.41 U	0.6 U	0.6 UT	0.6 UT
C348	LW2-C348-D	0.24 U	0.22 U	0.16 U	0.37 U	0.33 U	0.37 UT	0.37 UT
C356	LW2-C356-B	2.7	3.6	0.84 J	1.4	0.72 U	1.4 T	8.54 JT
C356	LW2-C356-C	1.3	9.4	1.5	2.4	0.5 U	2.4 T	14.6 T
C356	LW2-C356-E	0.53 J	0.19 U	0.09 U	0.24 U	0.16 U	0.24 UT	0.53 JT
C358	LW2-C358-B	0.13 J	0.46 U	0.15 U	0.26 U	0.18 J	0.18 JT	0.31 JT
C358	LW2-C358-C	0.15 J	4.6	0.13 U	0.24 U	0.15 J	0.15 JT	4.9 JT
C358	LW2-C358-D	0.33 J	15	0.13 J	0.35 J	0.26 J	0.61 JT	16.07 JT
C359	LW2-C359-B	0.24 J	0.39 U	0.19 U	0.34 J	0.4 U	0.34 JT	0.58 JT
C359	LW2-C359-C	0.38 J	1.7	0.13 U	0.24 J	0.36 U	0.24 JT	2.32 JT
C359	LW2-C359-D	0.73 J	20	0.28 U	1	0.71 J	1.71 JT	22.44 JT
C360	LW2-C360-B1	0.16 J	0.38 J	0.15 U	0.28 U	0.22 J	0.22 JT	0.76 JT
C360-2	LW2-C360-B2	0.21 J	0.35 J	0.16 U	0.29 U	0.26 J	0.26 JT	0.82 JT
C360	LW2-C360-C1	0.28 J	4.9	0.13 U	0.41 J	0.16 J	0.57 JT	5.75 JT
C360-2	LW2-C360-C2	0.28 J	5.1	0.14 U	0.47 J	0.17 J	0.64 JT	6.02 JT
C360	LW2-C360-F1	0.42 J	7.1	0.12 U	0.51 J	0.31 J	0.82 JT	8.34 JT
C360-2	LW2-C360-F2	0.42 J	4.4	0.12 U	0.34 J	0.21 J	0.55 JT	5.37 JT
C381	LW2-C381-B	0.064 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C381	LW2-C381-C	0.063 U	0.25 U	0.12 U	0.21 U	0.13 U	0.21 UT	0.25 UT
C381	LW2-C381-E	0.057 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C403	LW2-C403-B	0.26 U	0.21 U	0.1 U	0.19 U	0.17 U	0.19 UT	0.26 UT
C403	LW2-C403-C	0.53 J	0.2 U	0.092 U	0.2 U	0.17 U	0.2 UT	0.53 JT
C403	LW2-C403-D	0.059 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C403	LW2-C403-F	0.064 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C439	LW2-C439-B	0.071 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
C439	LW2-C439-C	0.064 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C439	LW2-C439-E	0.053 U	0.21 U	0.095 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C441-1	LW2-C441-B1	0.07 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C441-2	LW2-C441-B2	0.07 UT	0.27 UT	0.13 UT	0.24 UT	0.14 UT	0.24 UT	0.27 UT
C441-1	LW2-C441-C1	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT

Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
C441-2	LW2-C441-C2	0.055 UT	0.22 UT	0.1 UT	0.19 UT	0.11 UT	0.19 UT	0.22 UT
C441-1	LW2-C441-D1	0.055 U	0.22 U	0.1 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C441-2	LW2-C441-D2	0.067 JT	0.21 UT	0.095 UT	0.18 UT	0.11 UT	0.18 UT	0.067 JT
C444	LW2-C444-B	0.077 U	0.3 U	0.14 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C444	LW2-C444-C	0.066 U	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.26 UT
C444	LW2-C444-E	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
C445	LW2-C445-B	0.072 U	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.28 UT
C445	LW2-C445-C	0.068 U	0.27 U	0.13 U	0.23 U	0.27 U	0.27 UT	0.27 UT
C445	LW2-C445-E	0.066 U	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.26 UT
C521	LW2-C521-B	1100	380 J	1700	1600	780	2380 T	5560 JT
C521	LW2-C521-C	23000	5000 J	28000	24000	11000	35000 T	91000 JT
C521	LW2-C521-E	0.52 J	0.39 U	0.2 U	0.29 U	0.24 U	0.29 UT	0.52 JT
C522	LW2-C522-B	0.066 U	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.26 UT
C522	LW2-C522-C	0.08 J	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.08 JT
C522	LW2-C522-E	0.053 U	0.21 U	0.097 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C523	LW2-C523-B	0.066 U	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.26 UT
C523	LW2-C523-C	0.1 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.1 JT
C523	LW2-C523-D	0.096 J	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.096 JT
C525	LW2-C525-B	0.096 U	0.31 U	0.21 J	0.64 J	1.6	2.24 JT	2.45 JT
C525	LW2-C525-C	8.6	1 U	42	2.7	7.5	10.2 T	60.8 T
C525	LW2-C525-D	190	150	2200	390	300	690 T	3230 T
C525	LW2-C525-E	0.053 U	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C527	LW2-C527-B	0.077 U	0.3 U	0.14 U	0.26 U	0.39 J	0.39 JT	0.39 JT
C527	LW2-C527-C	0.073 U	0.28 U	0.14 U	0.25 U	0.53 J	0.53 JT	0.53 JT
C527	LW2-C527-E	6	3.2	100	0.24 U	1.7	1.7 T	110.9 T
C528	LW2-C528-B	0.078 U	0.3 U	0.15 U	0.26 U	0.15 U	0.26 UT	0.3 UT
C528	LW2-C528-C	0.084 U	0.29 U	0.14 U	0.25 J	0.8 J	1.05 JT	1.05 JT
C528	LW2-C528-F	0.053 U	0.21 U	0.096 U	0.18 U	0.11 U	0.18 UT	0.21 UT
C529	LW2-C529-B	0.075 U	0.29 U	0.14 U	0.25 U	0.15 U	0.25 UT	0.29 UT
C529	LW2-C529-C	0.077 J	0.28 U	0.13 U	0.49 J	0.73 J	1.22 JT	1.297 JT
C529	LW2-C529-E	0.065 U	0.25 U	0.12 U	0.28 J	1.7	1.98 JT	1.98 JT
C530	LW2-C530-B	0.07 U	0.27 U	0.13 U	0.24 U	0.31 J	0.31 JT	0.31 JT
C530	LW2-C530-C	0.068 U	0.26 U	0.13 U	0.23 U	0.55 J	0.55 JT	0.55 JT
C530	LW2-C530-E	0.065 U	0.25 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.25 UT
C531	LW2-C531-B	0.068 U	0.26 U	0.13 U	0.23 U	0.16 J	0.16 JT	0.16 JT
C531	LW2-C531-C	0.14 J	0.36 J	0.32 J	0.39 J	2.3	2.69 JT	3.51 JT
C531	LW2-C531-E	0.06 U	0.23 U	0.11 U	0.2 U	0.12 U	0.2 UT	0.23 UT
C532	LW2-C532-B	0.079 J	0.28 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.079 JT
C532	LW2-C532-C	0.071 U	0.27 U	0.13 U	0.24 U	0.14 U	0.24 UT	0.27 UT
C532	LW2-C532-E	0.087 J	0.26 U	0.12 U	0.22 U	0.13 U	0.22 UT	0.087 JT
C532	LW2-C532-F	0.1 J	0.21 U	0.095 U	0.18 U	0.1 U	0.18 UT	0.1 JT
NA-1B	NA-1B-0046	0.094 U	0.29 U	0.6 U	0.25 U	0.26 J	0.26 JT	0.26 JT
NA-1B	NA-1B-4668	0.079 U	0.31 U	0.32 U	0.27 U	0.16 U	0.27 UT	0.32 UT
NA-1B	NA-1B-6894	0.14 J	0.29 U	0.14 U	0.25 U	0.25 U	0.25 UT	0.14 JT
NA-2B	NA-2B-3157	0.073 U	0.45 U	0.14 U	0.25 U	0.14 U	0.25 UT	0.45 UT
NA-2B	NA-2B-5794	0.084 U	0.33 U	0.16 U	0.28 U	0.17 U	0.28 UT	0.33 UT
NA-3B	NA-3B-3464	0.056 U	0.22 U	0.11 U	0.19 U	0.11 U	0.19 UT	0.22 UT
NA-3B	NA-3B-6494	0.062 U	0.24 U	0.12 U	0.21 U	0.12 U	0.21 UT	0.24 UT
NA-4B	NA-4B-2450	0.11 U	0.35 U	0.17 U	0.3 U	0.18 U	0.3 UT	0.35 UT
NA-4B	NA-4B-5094	0.087 U	0.34 U	0.16 U	0.29 U	0.17 U	0.29 UT	0.34 UT
G04	WLCRIV99G04G04S03	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 UT	5.5 UT
G04	WLCRIV99G04G04S07	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 UT	5.6 UT
G04	WLCRIV99G04G04S08	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 UT	5.5 UT
G05	WLCRIV99G05.566.5	7 U	7 U	7 U	7 U	7 U	7 UT	7 UT
G05	WLCRIV99G055/7879	7.1 U	7.1 U	7.1 U	7.1 U	7.1 U	7.1 UT	7.1 UT
G05	WLCRIV99G05G05S04	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 UT	5.2 UT
G05	WLCRIV99G05G05S05	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UT	4.9 UT
G05	WLCRIV99G05HCG101	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 UT	6.6 UT
G06A	WLCRIV99G06A06AS04	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G06B	WLCRIV99G06B06BS02	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G06B	WLCRIV99G06B06BS13	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 UT	7.4 UT
G07	WLCRIV99G07G07S03	4 U	4 U	4 U	4 U	4 U	4 UT	4 UT
G07	WLCRIV99G07G07S05	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 UT	6.6 UT
G07	WLCRIV99G07G07S06	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G07	WLCRIV99G07G07S19	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 UT	6.1 UT
G07	WLCRIV99G07G07S27	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G08	WLCRIV99G08.545.5	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 UT	6.3 UT
G08	WLCRIV99G0856.558	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 UT	6.3 UT
G08	WLCRIV99G0876.578	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 UT	5.8 UT
G08	WLCRIV99G08G08S03	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT

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Table C2-21. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Subsurface Sediment Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**							
G08	WLCRIV99G08HCG100	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G09	WLCRIV99G09.512.5	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G09	WLCRIV99G091617.5	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G09	WLCRIV99G092122.5	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S04	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S05	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S08	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S10	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S12	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G10	WLCRIV99G10G10S14	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G11	WLCRIV99G1112.514	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13A	WLCRIV99G13A13AS02	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13A	WLCRIV99G13A13AS07	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13A	WLCRIV99G13A15.518	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13B	WLCRIV99G13B13BS07	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13B	WLCRIV99G13B13BS17	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13B	WLCRIV99G13B13BS18	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G13B	WLCRIV99G13B13BS19	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G16	WLCRIV99G16G16S06	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G16	WLCRIV99G16G16S10	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
G16	WLCRIV99G16G16S12	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-07	WLCT4J98HCS07VC07S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-07	WLCT4J98HCS07VC07S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-11	WLCT4J98HCS11VC11S1	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-11	WLCT4J98HCS11VC11S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-13	WLCT4J98HCS13VC13S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-13	WLCT4J98HCS13VC13S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-18	WLCT4J98HCS18VC18S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-18	WLCT4J98HCS18VC18S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-22	WLCT4J98HCS22VC22S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-22	WLCT4J98HCS22VC22S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-27	WLCT4J98HCS27VC27S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-27	WLCT4J98HCS27VC27S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-32	WLCT4J98HCS32VC32S1	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-32	WLCT4J98HCS32VC32S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-39	WLCT4J98HCS39VC39S1	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-39	WLCT4J98HCS39VC39S2	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
HC-S-42	WLCT4J98HCS42VC42S1	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
HC-S-42	WLCT4J98HCS42VC42S2	5 U	5 U	5 U	5	5 U	5 T	5 T
TP1-2	WLCWTI00TP12TP12	100 U	100 U	244	740	513	1250 T	1500 T
OSS001	WLRELF99OSS001SD0004	9 U	9 U	9 U	9 U	9 U	9 UT	9 UT
OSS002	WLRELF99OSS002SD0008	10 U	10 U	10 U	10 U	10 U	10 UT	10 UT
OSS003	WLRELF99OSS003SD0022	50 U	50 U	50 U	50 U	50 U	50 UT	50 UT
OSS004	WLRELF99OSS004SD0013	11 U	21	11 U	11 U	11 U	11 UT	21 T
OSS005	WLRELF99OSS005SD0026	11 U	11 U	11 U	11 U	11 U	11 UT	11 UT
OSS006	WLRELF99OSS006SD0017	9 U	9 U	9 U	9 U	9 U	9 UT	9 UT
RB1	WLRELF99RB1SD1002	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB2	WLRELF99RB2SD1004	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB3	WLRELF99RB3SD1006	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB4	WLRELF99RB4SD1008	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB5	WLRELF99RB5SD1010	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB6	WLRELF99RB6SD1012	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT
RB6	WLRELF99RB6SD1014	5 U	5 U	5 U	5 U	5 U	5 UT	5 UT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C009	LW2-C009-B	19 J	1.2 U	130 J	149 JT
C009	LW2-C009-C	63 J	1.6 U	180 J	243 JT
C011-1	LW2-C011-B1	46 JT	1.4 UT	195 JT	241 JT
C011-2	LW2-C011-B2	28 J	1.3 UT	150 J	178 JT
C011-1	LW2-C011-C1	155 JT	2.9 UT	355 JT	510 JT
C011-2	LW2-C011-C2	97 JT	1.5 U	290 JT	387 JT
C011-1	LW2-C011-D1	1200 JT	43 JT	1350 JT	2590 JT
C011-2	LW2-C011-D2	130 J	2.9 U	310 J	440 JT
C011-2	LW2-C011-E2	180 J	1.5 U	270 J	450 JT
C015	LW2-C015-B	170 J	2.4 U	2300 J	2470 JT
C015	LW2-C015-C	280 JT	23 J	435 JT	738 JT
C015	LW2-C015-D	1700 J	36 J	1900 J	3640 JT
C019-1	LW2-C019-B1	46 JT	1.2 U	230 JT	276 JT
C019-1	LW2-C019-C1	150 J	1.4 U	540 J	690 JT
C020	LW2-C020-B	150 J	1.8 UT	440 J	590 JT
C020	LW2-C020-C	76 J	1.3 U	270 J	346 JT
C022	LW2-C022-B	72 J	1.9 U	380 J	452 JT
C022	LW2-C022-C	190 J	1.9 U	580 J	770 JT
C025-1	LW2-C025-B1	14 U	1.4 U	57 U	57 UT
C025-1	LW2-C025-C1	14 U	1.6 U	71 J	71 JT
C025-2	LW2-C025-D2	12 U	1.3 UT	12 U	12 UT
C027	LW2-C027-B	24 J	3.7 U	110 J	134 JT
C027	LW2-C027-C	14 J	1.9 U	65 U	14 JT
C034	LW2-C034-B	13 J	1.4 U	60 U	13 JT
C034	LW2-C034-C	22 J	1.4 U	69 U	22 JT
C034	LW2-C034-E	52 J	2.8 U	88 J	140 JT
C038	LW2-C038-B	220 J	35 J	270 J	525 JT
C038	LW2-C038-C	27 J	1.3 U	52 U	27 JT
C038	LW2-C038-D	14 U	1.5 U	32 U	32 UT
C060	LW2-C060-B	350 J	9.1 U	620 J	970 JT
C060	LW2-C060-C	890 J	14 U	1400 J	2290 JT
C061	LW2-C061-B	39 JT	1.9 U	100 UT	39 JT
C061	LW2-C061-C	260 J	3.5 U	420 J	680 JT
C061	LW2-C061-E	13 U	1.4 U	15 U	15 UT
C062	LW2-C062-B	64 JT	1.3 U	150 JT	214 JT
C062	LW2-C062-C	24 J	1.4 U	71 J	95 JT
C062	LW2-C062-D	13 U	1.4 UT	9.2 U	13 UT
C064	LW2-C064-B	290 J	3.7 U	590 J	880 JT
C064	LW2-C064-C	14 U	1.6 U	65 J	65 JT
C067	LW2-C067-B	120 J	1.8 U	320 J	440 JT
C067	LW2-C067-D	640 J	19 J	880 J	1540 JT
C067	LW2-C067-E	350 J	19 J	560 J	929 JT
C073	LW2-C073-B	16.5 JT	1.4 UT	57 JT	73.5 JT
C073	LW2-C073-C	130 J	5 UT	250 J	380 JT
C073	LW2-C073-D	285 JT	6.4 U	460 JT	745 JT
C074	LW2-C074-B	38 J	1.7 U	160 J	198 JT
C074	LW2-C074-C	19 J	1.9 UT	45 U	19 JT
C074	LW2-C074-D	22 J	2.2 U	63 J	85 JT
C074	LW2-C074-F	13 UT	1.4 UT	8.4 UT	13 UT
C078	LW2-C078-B	4.9 U	1.5 U	14 J	14 JT
C078	LW2-C078-C	4.9 U	5.8 J	12 J	17.8 JT
C079	LW2-C079-B	5.3 U	1.6 U	32 J	32 JT
C079	LW2-C079-C	4.9 U	1.5 U	15 J	15 JT
C080	LW2-C080-B	81 J	1.3 U	270 J	351 JT
C080	LW2-C080-C	18.5 JT	1.3 U	41 JT	59.5 JT
C082	LW2-C082-B1	38 JT	1.4 U	108 JT	146 JT
C082-2	LW2-C082-B2	92.3 JT	1.4 UT	223 JT	315 JT
C082	LW2-C082-C1	5 J	1.3 U	16 U	5 JT
C082-2	LW2-C082-C2	21 JT	1.3 UT	52 JT	73 JT
C082	LW2-C082-D1	3.9 UT	1.2 U	6.7 UT	6.7 UT
C082-2	LW2-C082-D2	4.2 UT	1.3 UT	4.4 UT	4.4 UT
C083	LW2-C083-B	130 J	2.1 J	410 J	542 JT
C083	LW2-C083-C	150 J	3.4 J	350 J	503 JT
C084	LW2-C084-B	210 J	7.2 J	820 J	1040 JT
C084	LW2-C084-C	37 J	4 J	110 J	151 JT
C084	LW2-C084-D	5 U	1.5 J	19 J	20.5 JT
C086	LW2-C086-B	150 J	2.42 UT	530 J	680 JT
C086	LW2-C086-C	12 UT	1.6 U	7.3 UT	12 UT
C087	LW2-C087-B	230 J	2.9 J	800 J	1030 JT
C087	LW2-C087-C	15.5 JT	1.4 U	56 JT	71.5 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C088	LW2-C088-B	240 J	1.7 U	850 J	1090 JT
C088	LW2-C088-C	6.2 J	1.6 J	20 J	27.8 JT
C089	LW2-C089-B	1400 JT	28 J	2400 JT	3830 JT
C089	LW2-C089-C	59 J	1.3 J	110 J	170 JT
C089	LW2-C089-D	7.1 J	1.5 UT	42 U	7.1 JT
C090	LW2-C090-B	130 J	2.2 J	510 J	642 JT
C090	LW2-C090-C	4.2 U	1.3 U	4.9 U	4.9 UT
C091	LW2-C091-B	300 J	1.8 U	1000 J	1300 JT
C091	LW2-C091-C	440 J	13 J	1300 J	1750 JT
C091	LW2-C091-D	4.5 UT	1.4 U	6.1 JT	6.1 JT
C092	LW2-C092-B	3500 J	150 J	11000 J	14700 JT
C092	LW2-C092-C	3200 J	100 J	6900 J	10200 JT
C092	LW2-C092-D	800 J	90 J	1500 J	2390 JT
C092	LW2-C092-E	7.8 J	2.8 J	55 U	10.6 JT
C093	LW2-C093-B	2300 JT		5500 JT	7800 JT
C094	LW2-C094-B	700 J	6.5 J	2200 J	2910 JT
C094	LW2-C094-C	5.2 U	1.6 U	34 J	34 JT
C096	LW2-C096-B	70 J	1.3 U	130 J	200 JT
C096	LW2-C096-C	4.5 U	1.4 U	10 J	10 JT
C099	LW2-C099-B	220 J	1.9 U	630 J	850 JT
C099	LW2-C099-C	600 J	9.9 J	1100 J	1710 JT
C103	LW2-C103-B	170 J	1.8 U	440 J	610 JT
C103	LW2-C103-D	700 J	37 J	1400 J	2140 JT
C103	LW2-C103-E	38 JT	1.3 U	135 JT	173 JT
C105	LW2-C105-B	69 J	1.6 U	180 J	249 JT
C105	LW2-C105-C	14 U	1.6 U	59 J	59 JT
C106	LW2-C106-B	170 J	1.9 U	570 J	740 JT
C106	LW2-C106-C	270 J	2.3 J	640 J	912 JT
C106	LW2-C106-E	820 J	44 J	1500 J	2360 JT
C106	LW2-C106-F	385 JT	12 JT	885 JT	1280 JT
C109	LW2-C109-B	200 J	1.9 U	580 J	780 JT
C109	LW2-C109-C	410 J	3.8 J	830 J	1240 JT
C109	LW2-C109-E	4.5 U	1.4 U	6.9 J	6.9 JT
C111-1	LW2-C111-B	220 J	2.2 U	590 J	810 JT
C111-2	LW2-C111-B2	150 J	2 U	410 J	560 JT
C111-1	LW2-C111-C	240 J	7.3 J	490 J	737 JT
C111-2	LW2-C111-C2	390 J	6.8 U	660 J	1050 JT
C111-2	LW2-C111-E2	950 J	32 J	1400 J	2380 JT
C111-1	LW2-C111-F	360 JT	6 U	590 JT	950 JT
C112	LW2-C112-C	370 J		800 J	1170 JT
C112	LW2-C112-D	780 J		1300 J	2080 JT
C121	LW2-C121-B	400 J	12 J	660 J	1070 JT
C121	LW2-C121-C	560 J	11 J	830 J	1400 JT
C121	LW2-C121-D	4.6 U	1.4 U	15 U	15 UT
C122	LW2-C122-B	420 J	5.8 U	780 J	1200 JT
C122	LW2-C122-C	720 J	19 J	1000 J	1740 JT
C127	LW2-C127-B	610 J	11 J	970 J	1590 JT
C127	LW2-C127-C	585 JT	21 J	960 JT	1570 JT
C127	LW2-C127-D	4.7 U	1.4 U	6.9 J	6.9 JT
C130	LW2-C130-B	1100 J	31 J	1900 J	3030 JT
C130	LW2-C130-C	14 UT	1.3 UT	16 UT	16 UT
C130	LW2-C130-E	14 U	1.5 U	20 U	20 UT
C133	LW2-C133-B	270 J	2.4 U	930 J	1200 JT
C133	LW2-C133-D	890 J	8.9 UT	1700 J	2590 JT
C135	LW2-C135-B	120 J	2 U	560 J	680 JT
C135	LW2-C135-C	550 J	2.1 U	1600 J	2150 JT
C135	LW2-C135-D	780 J	7.4 U	1600 J	2380 JT
C136	LW2-C136-B	400 J	2.9 U	660 J	1060 JT
C136	LW2-C136-C	780 J	11 J	990 J	1780 JT
C136	LW2-C136-D	1200 J	26 J	1800 J	3030 JT
C138	LW2-C138-C	12 UT	1.4 U	7.7 UT	12 UT
C139	LW2-C139-B	85 J	2 U	340 J	425 JT
C139	LW2-C139-C	770 J	3.2 U	2000 J	2770 JT
C142	LW2-C142-B	700 J	17 J	1000 J	1720 JT
C142	LW2-C142-C	1600 J	42 J	2000 J	3640 JT
C144	LW2-C144-B	220 J	2.6 U	730 J	950 JT
C144	LW2-C144-D	28 J	1.4 U	55 J	83 JT
C147	LW2-C147-B	570 J	15 J	850 J	1440 JT
C147	LW2-C147-C	560 J	35 J	830 J	1430 JT
C147	LW2-C147-E	1200 J	40 J	1700 J	2940 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C148	LW2-C148-B	59 J	1.8 U	240 J	299 JT
C148	LW2-C148-C	340 J	2.2 U	940 J	1280 JT
C152	LW2-C152-B	360 J	4.2 U	900 J	1260 JT
C152	LW2-C152-C	340 J	5.4 U	700 J	1040 JT
C152	LW2-C152-E	5.3 J	1.4 UT	11 U	5.3 JT
C155	LW2-C155-B	220 J	5.5 U	480 J	700 JT
C155	LW2-C155-C	150 J	3.5 U	340 J	490 JT
C156	LW2-C156-B	380 J	3.8 UT	920 J	1300 JT
C156	LW2-C156-C	440 J	6.7 U	690 J	1130 JT
C156	LW2-C156-F	4.5 U	1.3 U	6.6 U	6.6 UT
C157	LW2-C157-B	800 J	20 J	1400 J	2220 JT
C157	LW2-C157-C	470 J	6.4 U	950 J	1420 JT
C158	LW2-C158-B	260 J	3.2 U	620 J	880 JT
C158	LW2-C158-C	380 J	3.8 U	780 J	1160 JT
C158	LW2-C158-D	250 J	7 J	420 J	677 JT
C160	LW2-C160-B	790 J	28 J	1300 J	2120 JT
C160	LW2-C160-C	280 J	5.6 U	610 J	890 JT
C161	LW2-C161-B	360 J	18 J	660 J	1040 JT
C161	LW2-C161-C	215 JT	4.7 U	470 JT	685 JT
C162	LW2-C162-B	330 J	4 U	880 J	1210 JT
C162	LW2-C162-C	440 J	8.6 J	770 J	1220 JT
C163-1	LW2-C163-B1	13 J	1.3 U	14 U	13 JT
C163-2	LW2-C163-B2	13 UT	1.3 UT	12 UT	13 UT
C163-1	LW2-C163-C1	190 J	5.1 U	420 J	610 JT
C163-2	LW2-C163-C2	185 JT	5.1 UT	355 JT	540 JT
C164	LW2-C164-B	11 U	1.3 U	34 U	34 UT
C164	LW2-C164-C	12 UT	1.3 UT	9.1 UT	12 UT
C164	LW2-C164-E	820 J	21 J	1200 J	2040 JT
C166	LW2-C166-B	52 J	1.5 U	220 J	272 JT
C166	LW2-C166-C	800 J	23 J	1000 J	1820 JT
C166	LW2-C166-D	810 J	27 J	1000 J	1840 JT
C167	LW2-C167-B	380 J	2 U	1100 J	1480 JT
C167	LW2-C167-C	300 J	3.3 J	680 J	983 JT
C167	LW2-C167-D	76 J	2.3 J	170 J	248 JT
C169	LW2-C169-B	270 J	3.6 UT	680 J	950 JT
C169	LW2-C169-C	450 J	8 U	660 J	1110 JT
C170	LW2-C170-B	185 JT	12 J	375 JT	572 JT
C170	LW2-C170-C	51 J	4.6 U	110 J	161 JT
C171	LW2-C171-B	283 JT	6.3 U	631 JT	914 JT
C171	LW2-C171-C	210 J	15 J	390 J	615 JT
C172	LW2-C172-B	78 J	2.4 U	310 J	388 JT
C172	LW2-C172-C	450 J	14 J	670 J	1130 JT
C173	LW2-C173-B	160 J	3.1 U	520 J	680 JT
C173	LW2-C173-C	390 J	8 U	710 J	1100 JT
C176	LW2-C176-B	270 J	3.6 U	500 J	770 JT
C176	LW2-C176-C	44 J	1.6 U	110 U	44 JT
C176	LW2-C176-G	12 UT	1.4 U	14 UT	14 UT
C179	LW2-C179-B	1100 J	28 J	1300 J	2430 JT
C179	LW2-C179-C	640 J	19 J	980 J	1640 JT
C179	LW2-C179-D	575 JT	18 J	1000 JT	1590 JT
C182	LW2-C182-B	680 J	17 J	790 J	1490 JT
C182	LW2-C182-C	640 J	23 J	880 J	1540 JT
C182	LW2-C182-D	1400 J	54 J	1600 J	3050 JT
C184	LW2-C184-B	750 J	13 J	970 J	1730 JT
C184	LW2-C184-C	1200 J	32 J	1100 J	2330 JT
C184	LW2-C184-D	82 J	4.8 U	180 J	262 JT
C185	LW2-C185-B	530 J	18 J	700 J	1250 JT
C185	LW2-C185-C	640 J	12 J	890 J	1540 JT
C185	LW2-C185-D	50 J	3.8 U	140 J	190 JT
C187	LW2-C187-B	350 J	8.5 J	530 J	889 JT
C187	LW2-C187-C	730 J	14 J	1000 J	1740 JT
C187	LW2-C187-D	4.4 U	1.3 U	9.1 U	9.1 UT
C192	LW2-C192-B	330 J	3.8 U	830 J	1160 JT
C192	LW2-C192-C	1200 J	13 U	1500 J	2700 JT
C192	LW2-C192-D	160 J	1.4 U	320 J	480 JT
C196	LW2-C196-B	290 J	1.4 U	420 J	710 JT
C196	LW2-C196-C	14 U	1.4 U	17 J	17 JT
C197	LW2-C197-B	530 J	11 J	980 J	1520 JT
C197	LW2-C197-C	1600 J	34 J	2200 J	3830 JT
C197	LW2-C197-D	13 UT	1.3 UT	9.6 JT	9.6 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C199	LW2-C199-B	430 J	2.4 U	820 J	1250 JT
C199	LW2-C199-C	28 J	1.5 U	83 U	28 JT
C202	LW2-C202-B	1900 J	24 J	2300 J	4220 JT
C202	LW2-C202-C	3200 J	20 J	3600 J	6820 JT
C202	LW2-C202-D	37 J	1.6 U	62 J	99 JT
C203	LW2-C203-B	490 J	2.4 U	1100 J	1590 JT
C203	LW2-C203-C	3400 J	23 J	4500 J	7920 JT
C203	LW2-C203-E	205 JT	2 U	245 JT	450 JT
C206	LW2-C206-B	1700 J	35 J	1700 J	3440 JT
C206	LW2-C206-C	11 U	1.3 U	11 U	11 UT
C207-1	LW2-C207-B	3500 J	20 JT	3300 J	6820 JT
C207-2	LW2-C207-B2	2900 JT	16 JT	2950 JT	5870 JT
C207-1	LW2-C207-C	830 J	2.7 U	1100 J	1930 JT
C207-2	LW2-C207-C2	665 JT	3.8 UT	1100 JT	1770 JT
C207-1	LW2-C207-D	990 J	4.6 U	1400 J	2390 JT
C210	LW2-C210-B	11 U	1.5 U	7.4 U	11 UT
C210	LW2-C210-C	14 U	1.4 UT	9.1 U	14 UT
C215	LW2-C215-B	13 UT	1.3 UT	9.25 JT	9.25 JT
C215	LW2-C215-C	12 U	1.3 U	7.7 U	12 UT
C220	LW2-C220-B	65 J	1.3 U	170 J	235 JT
C220	LW2-C220-C	48 JT	1.3 U	81.5 JT	130 JT
C221	LW2-C221-B	170 J	6.6 U	150 J	320 JT
C221	LW2-C221-C	1400 J	2.7 U	1900 J	3300 JT
C227	LW2-C227-B	120 J	1.9 U	490 J	610 JT
C227	LW2-C227-C	210 J	1.8 U	580 J	790 JT
C228	LW2-C228-B	450 JT	10 J	715 JT	1180 JT
C231	LW2-C231-B	1800 J	76 J	1800 J	3680 JT
C231	LW2-C231-C	210 J	3.2 U	340 J	550 JT
C232	LW2-C232-B	11 U	1.3 UT	7 U	11 UT
C232	LW2-C232-C	13 U	1.4 U	7.9 U	13 UT
C240	LW2-C240-B	260 J	1.9 UJ	580 J	840 JT
C240	LW2-C240-D	2000 J	26 J	2300 J	4330 JT
C240	LW2-C240-E	440 J	10 U	880 J	1320 JT
C245	LW2-C245-B	1100 J	12 J	1400 J	2510 JT
C245	LW2-C245-C	68 J	2.2 U	150 U	68 JT
C245	LW2-C245-D	330 J	7.9 U	690 J	1020 JT
C245	LW2-C245-E	28 J	1.5 UT	99 U	28 JT
C247	LW2-C247-B	14 U	1.5 U	9.1 U	14 UT
C247	LW2-C247-C	14 U	1.5 U	8.7 U	14 UT
C247	LW2-C247-D	14 U	1.5 U	8.8 U	14 UT
C252	LW2-C252-B	13.9 JT	18 J	27 UT	31.9 JT
C252	LW2-C252-C	120 J	2.5 UT	420 J	540 JT
C258	LW2-C258-B	200 JT	1.6 UT	365 JT	565 JT
C258	LW2-C258-C	910 J	25 J	1000 J	1940 JT
C260	LW2-C260-B	490 J	7.9 U	880 J	1370 JT
C260	LW2-C260-C	47 JT	3.8 U	99.5 JT	147 JT
C263	LW2-C263-B	1700 J	54 J	1800 J	3550 JT
C263	LW2-C263-D	3300 J	87 JT	3000 J	6390 JT
C264	LW2-C264-B	4800 J	170 J	5500 J	10500 JT
C264	LW2-C264-C	1300 J	7.8 U	3200 J	4500 JT
C269	LW2-C269-B	860 J	27 J	1400 J	2290 JT
C269	LW2-C269-C	1500 J	66 J	1400 J	2970 JT
C269	LW2-C269-F	1700 J	57 J	2100 J	3860 JT
C270	LW2-C270-B	3000 J	44 J	3900 J	6940 JT
C270	LW2-C270-C	2000 J	57 J	2400 J	4460 JT
C272	LW2-C272-B	14 UT	2 U	8.7 UT	14 UT
C272	LW2-C272-C	13 U	1.3 U	8 U	13 UT
C273	LW2-C273-B	4400 J	87 J	6000 J	10500 JT
C273	LW2-C273-C	4900 J	30 J	6000 J	10900 JT
C276	LW2-C276-B	1500 J	49 J	1700 J	3250 JT
C276	LW2-C276-C	29000 J	2400 J	15000 J	46400 JT
C277	LW2-C277-B	300 J	4.5 U	790 J	1090 JT
C277	LW2-C277-C	930 J	32 J	1000 J	1960 JT
C277	LW2-C277-D	1300 J	63 J	1500 J	2860 JT
C278	LW2-C278-B	2850 JT	250 J	3250 JT	6350 JT
C278	LW2-C278-C	5200 J	320 J	3500 J	9020 JT
C278	LW2-C278-D	9.6 U	1.5 T	17 J	18.5 JT
C282	LW2-C282-B	24 J		57 J	81 JT
C282	LW2-C282-D	4.4 UT		4.1 UT	4.4 UT
C283	LW2-C283-B	4800 J	850 J	2500 J	8150 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C283	LW2-C283-C	4200 J	720 J	3700 J	8620 JT
C283	LW2-C283-E	14 UT	4.3 U	13.5 JT	13.5 JT
C284	LW2-C284-B	3100 J	700 J	2300 J	6100 JT
C284	LW2-C284-C	38000 J	5100 J	20000 J	63100 JT
C284	LW2-C284-D	140 J	90 J	110 J	340 JT
C288	LW2-C288-B	5000 J	160 J	5700 J	10900 JT
C288	LW2-C288-C	3800 J	40 J	4900 J	8740 JT
C288	LW2-C288-D	1900 J	25 J	2900 J	4830 JT
C289	LW2-C289-B	7100 J	47 J	5100 J	12200 JT
C289	LW2-C289-C	4600 J	190 J	3800 J	8590 JT
C289	LW2-C289-E	9.4 U	1.4 U	14 J	14 JT
C290	LW2-C290-D	4.6 U		4.3 U	4.6 UT
C291	LW2-C291-B	270 J	4.6 U	910 J	1180 JT
C291	LW2-C291-C	540 J	11 U	980 J	1520 JT
C293-1	LW2-C293-B	1600 J	110 J	1300 J	3010 JT
C293-2	LW2-C293-B2	1600 J	75 J	1600 J	3280 JT
C293-1	LW2-C293-C	1600 J	95 J	1900 J	3600 JT
C293-2	LW2-C293-C2	565 JT	10 UT	1350 JT	1920 JT
C293-1	LW2-C293-D	450 J	10 U	940 J	1390 JT
C294	LW2-C294-B	30000 J	2200 J	17000 J	49200 JT
C294	LW2-C294-C	2850 JT	59 J	3400 JT	6310 JT
C294	LW2-C294-D	270 J	9.8 U	530 J	800 JT
C296	LW2-C296-B	800 J	4.9 J	1500 J	2300 JT
C296	LW2-C296-C	120 J	1.6 U	280 J	400 JT
C299	LW2-C299-B	5200 J	670 J	2700 J	8570 JT
C299	LW2-C299-C	8400 J	76 J	3300 J	11800 JT
C300-2	LW2-C300-B	250 J	5.6 U	640 J	890 JT
C300-2	LW2-C300-C	300 J	7.3 U	670 J	970 JT
C300-2	LW2-C300-D	110 J	2.2 UT	160 J	270 JT
C301	LW2-C301-B	30000 J	4200 J	14000 J	48200 JT
C301	LW2-C301-C	190000 J	21000 J	110000 J	321000 JT
C301	LW2-C301-D	30000 J	5300 J	14000 J	49300 JT
C301	LW2-C301-E	89000 J	17000 J	68000 J	174000 JT
C301	LW2-C301-G	3700 J	1400 J	2400 J	7500 JT
C302	LW2-C302-B	5000 J	260 J	3500 J	8760 JT
C302	LW2-C302-C	130000 J	7900 J	44000 J	182000 JT
C303	LW2-C303-B	500 J	3.9 J	1100 J	1600 JT
C303	LW2-C303-C	5.85 JT	1.3 UT	14 UT	5.85 JT
C305-1	LW2-C305-B1	3900 J	110 J	2900 J	6910 JT
C305-2	LW2-C305-B2	8700 J	520 J	5000 J	14200 JT
C305-1	LW2-C305-C1	210 J	6.4 U	230 J	440 JT
C305-2	LW2-C305-C2	5400 J	230 J	3600 J	9230 JT
C305-1	LW2-C305-D1	110 J	1.4 U	140 J	250 JT
C305-2	LW2-C305-D2	38 J	1.3 UT	55 J	93 JT
C311	LW2-C311-B	2600 J	32 J	2300 J	4930 JT
C311	LW2-C311-C	870 J	24 J	1300 J	2190 JT
C311	LW2-C311-E	365 JT	11 J	715 JT	1090 JT
C312	LW2-C312-B	110 J	1.4 U	190 J	300 JT
C312	LW2-C312-C	4.3 UT	1.3 U	4 UT	4.3 UT
C313	LW2-C313-B	14 U	3.2 U	21 U	21 UT
C313	LW2-C313-C	16 J	1.6 U	32 U	16 JT
C314	LW2-C314-B	520 J	6.6 U	1200 J	1720 JT
C314	LW2-C314-C	290 J	25 J	870 J	1190 JT
C316	LW2-C316-B	2300 J	12 UJT	750 J	3050 JT
C316	LW2-C316-C	1400 J	19 J	1400 J	2820 JT
C316	LW2-C316-D	4600 J	45 J	4000 J	8650 JT
C321	LW2-C321-B1	105 JT	4.6 J	235 JT	345 JT
C321-2	LW2-C321-B2	160 JT	130 JT	335 JT	625 JT
C321	LW2-C321-C1	4.7 U	17 J	8.8 U	17 JT
C321-2	LW2-C321-C2	110 J	3.2 J	45 J	158 JT
C321-2	LW2-C321-E2	4.4 UT	3 J	7.2 UT	3 JT
C323	LW2-C323-B	280 J	5.1 UT	890 J	1170 JT
C323	LW2-C323-C	170 J	9.8 J	340 J	520 JT
C323	LW2-C323-D	79.5 JT	4.9 U	150 JT	230 JT
C329	LW2-C329-B	150 J		130 J	280 JT
C329	LW2-C329-D	1400 J		390 J	1790 JT
C335	LW2-C335-C	290 J		560 J	850 JT
C335	LW2-C335-E	27.5 JT		87 JT	115 JT
C342	LW2-C342-B	270 J	4.2 U	720 J	990 JT
C342	LW2-C342-C	540 J	8.2 U	900 J	1440 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C342	LW2-C342-D	75.5 JT	1.7 U	210 JT	286 JT
C346	LW2-C346-B	550 J	12 U	830 J	1380 JT
C346	LW2-C346-C	220 J	5.1 U	470 J	690 JT
C347	LW2-C347-B	160 J	2.1 U	570 J	730 JT
C347	LW2-C347-C	2700 J	38.5 JT	1800 J	4540 JT
C347	LW2-C347-F	14 U	2 U	17 J	17 JT
C351	LW2-C351-B	650 J	24 J	1200 J	1870 JT
C351	LW2-C351-C	13 U	1.4 UT	11 J	11 JT
C351	LW2-C351-D	12 U	1.4 U	7.4 U	12 UT
C351	LW2-C351-E	11 U	1.4 U	7.1 U	11 UT
C352	LW2-C352-B	130 J	1.9 U	430 J	560 JT
C352	LW2-C352-C	110 J	2.1 U	390 J	500 JT
C352	LW2-C352-D	9.9 JT	1.2 U	24 JT	33.9 JT
C371	LW2-C371-B	620 J	18 J	980 J	1620 JT
C371	LW2-C371-C	140 J	2.1 UT	170 J	310 JT
C371	LW2-C371-E	89 J	1.7 U	170 J	259 JT
C372	LW2-C372-B	440 J	20 J	690 J	1150 JT
C372	LW2-C372-C	150 J	8.6 U	310 J	460 JT
C377	LW2-C377-B	120 J	2 U	400 J	520 JT
C377	LW2-C377-C	1200 J	7.8 U	2000 J	3200 JT
C377	LW2-C377-E	4500 J	120 J	3100 J	7720 JT
C379	LW2-C379-B	590 J		1500 J	2090 JT
C379	LW2-C379-D	5 U		14 U	14 UT
C380	LW2-C380-C	5.5 UT		31.5 JT	31.5 JT
C380	LW2-C380-E	5.2 U		28 J	28 JT
C381	LW2-C381-B	56 J	3.3 U	210 J	266 JT
C381	LW2-C381-C	7.8 J	1.7 U	81 J	88.8 JT
C381	LW2-C381-E	5 U	1.5 U	36 J	36 JT
C382	LW2-C382-B	520 J	28 J	840 J	1390 JT
C382	LW2-C382-C	14 U	2.1 U	58 U	58 UT
C383	LW2-C383-B	120 J	79 J	450 J	649 JT
C383	LW2-C383-C	11 U	3.2 U	67 J	67 JT
C384	LW2-C384-B	880 J	22 JT	1600 J	2500 JT
C384	LW2-C384-C	21 J	1.4 U	41 J	62 JT
C392	LW2-C392-B	210 J	6.2 UT	570 J	780 JT
C392	LW2-C392-C	94.5 JT	3.1 U	200 JT	295 JT
C397	LW2-C397-B	490 J	8 U	1200 J	1690 JT
C397	LW2-C397-C	555 JT	8.1 UJ	1200 JT	1760 JT
C397	LW2-C397-D	760 J	33 J	1600 J	2390 JT
C401	LW2-C401-B	810 J	7.9 U	800 J	1610 JT
C401	LW2-C401-C	1900 J	36 J	610 J	2550 JT
C401	LW2-C401-D	1100 J	50 J	1300 J	2450 JT
C401	LW2-C401-E	1900 J	91 J	1500 J	3490 JT
C402	LW2-C402-B	180 J	2.6 U	360 J	540 JT
C402	LW2-C402-C	13 JT	1.4 U	29 JT	42 JT
C403	LW2-C403-B	100 J	13 J	130 J	243 JT
C403	LW2-C403-C	20 T	1.3 U	27 T	47 T
C403	LW2-C403-D	13 U	1.8 U	29 J	29 JT
C405	LW2-C405-B	210 JT	7.7 U	570 JT	780 JT
C405	LW2-C405-C	510 J	5.5 U	1200 J	1710 JT
C415	LW2-C415-B	25 J		56 J	81 JT
C415	LW2-C415-D	4.6 U		13 U	13 UT
C420	LW2-C420-B	290 J	6 U	700 J	990 JT
C420	LW2-C420-C	160 J	2.3 U	450 J	610 JT
C425-1	LW2-C425-B1	150 JT	4.7 UT	430 JT	580 JT
C425-2	LW2-C425-B2	240 J	3.2 U	750 J	990 JT
C425-1	LW2-C425-C1	175 JT	4.5 UT	415 JT	590 JT
C425-2	LW2-C425-C2	110 J	4.2 U	260 J	370 JT
C425-2	LW2-C425-D2	360 J	11 U	790 J	1150 JT
C425-1	LW2-C425-E1	255 JT	4.4 UT	545 JT	800 JT
C426	LW2-C426-B	330 J	11 U	840 J	1170 JT
C426	LW2-C426-C	11 UT	1.3 UT	11 UT	11 UT
C430	LW2-C430-B	204 JT	2.6 U	562 JT	766 JT
C430	LW2-C430-C	430 J	8.6 J	900 J	1340 JT
C430	LW2-C430-E	510 J	13 J	1200 J	1720 JT
C437	LW2-C437-B	57 J	4.6 U	130 J	187 JT
C437	LW2-C437-C	13 UT	1.4 UT	8.1 UT	13 UT
C437	LW2-C437-D	13 U	1.4 U	7.9 U	13 UT
C441-1	LW2-C441-B1	360 J		840 J	1200 JT
C441-1	LW2-C441-D1	4.9 U		4.6 U	4.9 UT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
C445	LW2-C445-B	120 J	3.4 U	370 J	490 JT
C445	LW2-C445-C	270 J	11 U	550 J	820 JT
C445	LW2-C445-E	460 J	40 J	980 J	1480 JT
C447	LW2-C447-B	340 JT	8.7 U	740 JT	1080 JT
C447	LW2-C447-C	120 J	2.8 U	320 J	440 JT
C447	LW2-C447-D	14 U	1.4 U	68 J	68 JT
C448	LW2-C448-B	68 J	2 U	290 J	358 JT
C448	LW2-C448-C	340 J	2.9 U	1100 J	1440 JT
C448	LW2-C448-D	460 J	9.3 J	1300 J	1770 JT
C450	LW2-C450-B	110 J	2.5 U	410 J	520 JT
C450	LW2-C450-C	1200 J	19 J	2700 J	3920 JT
C453	LW2-C453-B	2700 J	54 J	5000 J	7750 JT
C453	LW2-C453-C	1900 J	56 J	3200 J	5160 JT
C453	LW2-C453-D	280 J	19 J	720 J	1020 JT
C454	LW2-C454-B	93.1 JT	13 J	220 UT	106 JT
C454	LW2-C454-C	510 J	27 J	1200 J	1740 JT
C454	LW2-C454-D	190 J	5.9 U	510 J	700 JT
C454	LW2-C454-E	17 J	1.4 UT	66 U	17 JT
C455	LW2-C455-B	12000 J	140 J	25000 J	37100 JT
C455	LW2-C455-C	2000 J	42 J	3500 J	5540 JT
C455	LW2-C455-D	420 J	19 J	890 J	1330 JT
C456	LW2-C456-B	88 J		400 J	488 JT
C456	LW2-C456-C	410 J		1200 J	1610 JT
C461	LW2-C461-B	150 J		580 J	730 JT
C461	LW2-C461-D	180 J		540 J	720 JT
C474	LW2-C474-B	65 J	2 UT	350 J	415 JT
C474	LW2-C474-C	51 J	1.8 U	240 J	291 JT
C477	LW2-C477-B	63 J	1.9 U	300 J	363 JT
C477	LW2-C477-C	130 J	2.7 U	330 J	460 JT
C494	LW2-C494-B	220 J		850 J	1070 JT
C494	LW2-C494-D	500 J		1600 J	2100 JT
C521	LW2-C521-B	3400 J	110 J	2000 J	5510 JT
C521	LW2-C521-C	23000 J	3400 J	11000 J	37400 JT
C521	LW2-C521-E	40 J	1.4 U	34 J	74 JT
C522	LW2-C522-B	230 J	5.2 J	440 J	675 JT
C522	LW2-C522-C	9.4 JT	1.4 U	13.9 JT	23.3 JT
C523	LW2-C523-B	260 J	2.6 J	530 J	793 JT
C523	LW2-C523-C	38 J	1.5 U	100 J	138 JT
C524	LW2-C524-B	410 J		910 J	1320 JT
C525	LW2-C525-B	1200 J	29 J	1800 J	3030 JT
C525	LW2-C525-C	990 J	41 J	1500 J	2530 JT
C525	LW2-C525-D	4400 J	720 J	5400 J	10500 JT
C525	LW2-C525-E	74 J	1.4 UT	130 J	204 JT
C527	LW2-C527-B	160 J	2.1 U	540 J	700 JT
C527	LW2-C527-C	520 J	1.9 U	1300 J	1820 JT
C527	LW2-C527-E	1600 J	61 J	2600 J	4260 JT
C528	LW2-C528-B	220 J	2 U	690 J	910 JT
C528	LW2-C528-C	670 J	33 J	1300 J	2000 JT
C528	LW2-C528-F	9.1 JT	1.4 U	23 UT	9.1 JT
C529	LW2-C529-B	130 J	2 U	380 J	510 JT
C529	LW2-C529-C	370 J	7.5 J	750 J	1130 JT
C529	LW2-C529-E	600 J	29 J	860 J	1490 JT
C530	LW2-C530-B	340 J	4.2 J	700 J	1040 JT
C530	LW2-C530-C	510 J	11 J	780 J	1300 JT
C530	LW2-C530-E	400 J	1.7 UT	710 J	1110 JT
C531	LW2-C531-B	540 J	7.7 J	1100 J	1650 JT
C531	LW2-C531-C	13 JT	53	83 JT	149 JT
C531	LW2-C531-E	9.3 J	1.6 U	70 J	79.3 JT
C532	LW2-C532-B	290 J	11 U	680 J	970 JT
C532	LW2-C532-C	740 J	29 J	1300 J	2070 JT
C532	LW2-C532-E	1500 J	57 J	1900 J	3460 JT
C532	LW2-C532-F	4.6 UT	1.4 UT	4.9 UT	4.9 UT
C533	LW2-C533-B	200 J	1.9 U	440 J	640 JT
C533	LW2-C533-C	50 J	1.7 U	140 J	190 JT
C533	LW2-C533-D	6.5 J	1.4 UT	26 J	32.5 JT
NA-1B	NA-1B-0046	57 J	1.9 UJ	280 J	337 JT
NA-1B	NA-1B-4668	140 JT	2.1 U	555 JT	695 JT
NA-1B	NA-1B-6894	770 J	2 UT	1100 J	1870 JT
NA-2B	NA-2B-3157	67 J	1.9 UJ	300 J	367 JT
NA-2B	NA-2B-5794	370 J	2.2 UJ	1200 J	1570 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
NA-3B	NA-3B-3464	80 JT	5 J	205 JT	290 JT
NA-3B	NA-3B-6494	200 J	9.85 JT	440 J	650 JT
NA-4B	NA-4B-2450	310 J	2.7 UJ	900 J	1210 JT
NA-4B	NA-4B-5094	390 J	3.3 UJ	1100 J	1490 JT
SD01	WLCAYH00SD01SD01D	40 J	72 U	100 J	140 JT
SD02	WLCAYH00SD02SD02D	300	69 U	730	1030 T
SD04	WLCAYH00SD04SD04D	130	67 U	430	560 T
WR-VC-03	WLCDRD05VC00303	48 J	2 U	280 J	328 JT
WR-VC-04	WLCDRD05VC00404	97 J	2.7 U	340 J	437 JT
WR-VC-05	WLCDRD05VC00505	120 J	3 U	440 J	560 JT
WR-VC-06	WLCDRD05VC00606	190 J	4.3 U	670 J	860 JT
WR-VC-07	WLCDRD05VC00707	150 J	2.4 U	530 J	680 JT
WR-VC-08	WLCDRD05VC00808	240 J	3.2 U	700 J	940 JT
WR-VC-09	WLCDRD05VC00909	87 J	2.2 U	400 J	487 JT
WR-VC-10	WLCDRD05VC01010	230 J	2.8 U	710 J	940 JT
WR-VC-11	WLCDRD05VC01111	110 J	2.5 U	490 J	600 JT
WR-VC-12	WLCDRD05VC01212	240 J	5.3 U	630 J	870 JT
WR-VC-13	WLCDRD05VC01313	130 J	2.3 U	540 J	670 JT
WR-VC-14	WLCDRD05VC01414	190 J	4.6 U	520 J	710 JT
WR-VC-15	WLCDRD05VC01515	160 J	2.9 U	580 J	740 JT
WR-VC-16	WLCDRD05VC01616	220 J	4 U	610 J	830 JT
WR-VC-17	WLCDRD05VC01717	76 J	1.9 U	380 J	456 JT
WR-VC-18	WLCDRD05VC01818	220 J	2.8 U	690 J	910 JT
WR-VC-19	WLCDRD05VC01919	69 J	2.5 U	340 J	409 JT
WR-VC-20	WLCDRD05VC02020	240 J	2 U	740 J	980 JT
WR-VC-22	WLCDRD05VC02222	160 J	3 U	680 J	840 JT
WR-VC-23	WLCDRD05VC02323	150 J	1.5 U	420 J	570 JT
WR-VC-24	WLCDRD05VC02424	94 J	3.4 U	470 J	564 JT
WR-VC-26	WLCDRD05VC02626	140 J	2.4 U	570 J	710 JT
WR-VC-28	WLCDRD05VC02828	240 J	2.2 UJ	800 J	1040 JT
WR-VC-29	WLCDRD05VC02929	96 J	2 U	460 J	556 JT
WR-VC-30	WLCDRD05VC03030	250 J	2.2 U	750 J	1000 JT
WR-VC-31	WLCDRD05VC03131	100 J	2 U	450 J	550 JT
WR-VC-32	WLCDRD05VC03232	250 J	2.2 UJ	690 J	940 JT
WR-VC-33	WLCDRD05VC03333	28 J	4.3 U	100 J	128 JT
WR-VC-34	WLCDRD05VC03434	280 J	2.3 UJ	870 J	1150 JT
WR-VC-35	WLCDRD05VC03535	110 J	2.5 UJ	310 J	420 JT
WR-VC-36	WLCDRD05VC03636	210 J	3.2 U	710 J	920 JT
WR-VC-37	WLCDRD05VC03737	90 J	2.1 UJ	270 J	360 JT
WR-VC-39	WLCDRD05VC03939	67 J	1.9 UJ	340 J	407 JT
WR-VC-41	WLCDRD05VC04141	72 J	2.1 U	410 J	482 JT
WR-VC-42	WLCDRD05VC04242	20 J	1.4 U	60 J	80 JT
WR-VC-43	WLCDRD05VC04343	56 J	1.9 U	330 J	386 JT
WR-VC-45	WLCDRD05VC04545	180 J	1.9 U	730 J	910 JT
WR-VC-46	WLCDRD05VC04646	340 J	1.6 UJ	680 J	1020 JT
WR-VC-47	WLCDRD05VC04747	97 J	1.9 U	460 J	557 JT
WR-VC-49	WLCDRD05VC04949	180 J	3.8 U	630 J	810 JT
WR-VC-50	WLCDRD05VC05050	6000 J	22 J	3600 J	9620 JT
WR-VC-51	WLCDRD05VC05151	75 J	1.7 U	390 J	465 JT
WR-VC-52	WLCDRD05VC05252	2900 J	87 J	2100 J	5090 JT
WR-VC-53	WLCDRD05VC05353	110 J	1.6 U	420 J	530 JT
WR-VC-54	WLCDRD05VC05454	710 J	270 J	740 J	1720 JT
WR-VC-55	WLCDRD05VC05555	110 J	1.9 U	490 J	600 JT
WR-VC-56	WLCDRD05VC05656	540 J	27 J	1000 J	1570 JT
WR-VC-57	WLCDRD05VC05757	210 J	3.6 U	680 J	890 JT
WR-VC-58	WLCDRD05VC05858	190 J	1.5 U	410 J	600 JT
WR-VC-59	WLCDRD05VC05959	160 J	1.7 U	570 J	730 JT
WR-VC-60	WLCDRD05VC06060	130 J	5.1 UJ	270 J	400 JT
WR-VC-61	WLCDRD05VC06161	160 J	2.4 U	610 J	770 JT
WR-VC-62	WLCDRD05VC06262	220 J	2 U	660 J	880 JT
WR-VC-64	WLCDRD05VC06464	200 J	4.1 UJ	690 J	890 JT
WR-VC-66	WLCDRD05VC06666	200 J	2.3 U	630 J	830 JT
WR-VC-68	WLCDRD05VC06868	210 J	2.1 U	670 J	880 JT
WR-VC-70	WLCDRD05VC07070	180 J	2.1 U	590 J	770 JT
WR-VC-72	WLCDRD05VC07272	210 J	2 U	650 J	860 JT
WR-VC-106	WLCDRD05VC106106	250 J	7.5 U	780 J	1030 JT
WR-VC-108	WLCDRD05VC108108	330 J	18 U	1000 J	1330 JT
WR-VC-110	WLCDRD05VC110110	380 J	34 J	1200 J	1610 JT
WR-VC-114	WLCDRD05VC114114	220 J	3.5 U	770 J	990 JT
WR-VC-116	WLCDRD05VC116116	260 J	2.1 U	980 J	1240 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
WR-VC-118	WLCDRD05VC118118	130 J	1.8 UJ	420 J	550 JT
WR-VC-120	WLCDRD05VC120120	150 J	1.9 U	500 J	650 JT
WR-VC-122	WLCDRD05VC122122	45 J	1.7 U	280 J	325 JT
WR-VC-124	WLCDRD05VC124124	87 J	2 U	390 J	477 JT
WR-VC-126	WLCDRD05VC126126	120 J	1.7 U	460 J	580 JT
WR-VC-128	WLCDRD05VC128128	75 J	1.5 U	280 J	355 JT
WR-VC-130	WLCDRD05VC130130	76 J	1.4 U	230 J	306 JT
WR-VC-132	WLCDRD05VC132132	220 J	4.2 U	650 J	870 JT
WR-VC-134	WLCDRD05VC134134	56 J	1.4 U	180 J	236 JT
RAA-02	WLCGSG04RAA02SD1019	8800		8100	16900 JT
RAA-04	WLCGSG04RAA04SD0506	26000		14000	40000 JT
RAA-05	WLCGSG04RAA05SD1020	190		420	610 JT
RAA-06	WLCGSG04RAA06SD0415	2800		2800	5600 JT
RAA-06	WLCGSG04RAA06SD1520	130		300	430 JT
RAA-08	WLCGSG04RAA08SD0720	17 J		39 J	56 JT
RAA-09	WLCGSG04RAA09SD0516	15000		9100	24100 JT
RAA-10	WLCGSG04RAA10SD1020	2800		2700	5500 JT
RAA-11	WLCGSG04RAA11SD1320	175 T		320 T	495 JT
RAA-12	WLCGSG04RAA12SD1820	510		760	1270 JT
RAA-13	WLCGSG04RAA13SD1115	17000		11000	28000 JT
RAA-14	WLCGSG04RAA14SD1014	51000		24000	75000 JT
RAA-14	WLCGSG04RAA14SD1420	24 U		49 J	49 JT
RAA-17	WLCGSG04RAA17SD0010	3400		3600	7000 JT
RAA-17	WLCGSG04RAA17SD1420	180		370	550 JT
RAA-19	WLCGSG04RAA19SD0920	23 U		31 J	31 JT
SD04	WLCMFH00SD04SD04D	570	100 U	730	1300 T
SD05	WLCMFH00SD05SD05D	2800	40 J	2300	5140 JT
SD06	WLCMFH00SD06SD06D	97 U	20 U	390 U	390 UT
RB13	WLCOSJ00RB13SD0016	10 U	10 U		10 UT
G04	WLCRIV99G04G04S03	25 U			20 J
G04	WLCRIV99G04G04S07	25 U			100 U
G04	WLCRIV99G04G04S08	25 U			100 U
G05	WLCRIV99G05.566.5	25 U			57 J
G05	WLCRIV99G055/7879	25 U			67 J
G05	WLCRIV99G05G05S04	10 U	10 U		40
G05	WLCRIV99G05G05S05	10 U	10 U		25 U
G05	WLCRIV99G05HCG05C	10 U	10 U		312
G05	WLCRIV99G05HCG101	10 U	10 U		400
G06A	WLCRIV99G06A06AS04	10 U	10 U		200
G06B	WLCRIV99G06B06BS13	25 U			229
G06B	WLCRIV99G06B3940.5	25 U			100 U
G06B	WLCRIV99G06B51.553	25 U			100 U
G06B	WLCRIV99G06B61.563	25 U			100 U
G06B	WLCRIV99G06BCG06BC	10 U	10 U		240
G07	WLCRIV99G07G07S03	10 U	10 U		190
G07	WLCRIV99G07G07S05	10 U	10 U		310
G07	WLCRIV99G07G07S19	25 U			80 J
G07	WLCRIV99G07HCG07C	10 U	10 U		640
G08	WLCRIV99G08.545.5	25 U			230
G08	WLCRIV99G0856.558	25 U			160
G08	WLCRIV99G0876.578	25 U			100 U
G08	WLCRIV99G08G08S03	10 U	10 U		25 U
G08	WLCRIV99G08HCG08C	10 U	10 U		640
G08	WLCRIV99G08HCG100	10 U	10 U		25 U
G09	WLCRIV99G09.512.5	25 U			100 U
G09	WLCRIV99G091617.5	25 U			100 U
G09	WLCRIV99G092122.5	25 U			100 U
G10	WLCRIV99G10G10S04	25 U			60 J
G10	WLCRIV99G10G10S05	540			100 U
G10	WLCRIV99G10G10S12	25 U			100 U
G10	WLCRIV99G10G10S14	25 U			9 J
G11	WLCRIV99G1112.514	25 U			10 J
G12	WLCRIV99G1238.540	25 U			20 J
G12	WLCRIV99G1248.550	25 U			100 J
G12	WLCRIV99G125354.5	25 U			100 J
G12	WLCRIV99G126869.5	25 U			40 J
G12	WLCRIV99G127374.5	25 U			100 U
G12	WLCRIV99G12G12S11	25 U			100 U
G13A	WLCRIV99G13A13AS02	10 UJ	10 UJ		77 J
G13A	WLCRIV99G13A13AS07	10 U	10 U		54

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
G13A	WLCRIV99G13A15.518	25 U			70 J
G13A	WLCRIV99G13ACG13AC	10 U	10 U		200
G13B	WLCRIV99G13B13BS07	10 U	10 U		84
G13B	WLCRIV99G13B13BS17	10 U	10 U		25 U
G13B	WLCRIV99G13B13BS18	10 U	10 U		110
G13B	WLCRIV99G13B13BS19	10 U	10 U		74
G14	WLCRIV99G14G14S04	25 U			100 J
G14	WLCRIV99G14G14S06	25 U			70 J
G16	WLCRIV99G16G16S06	25 U			159
G16	WLCRIV99G16G16S10	25 U			88 J
G16	WLCRIV99G16G16S12	25 U			30 J
T4-PS03	WLCT4C04PS03031113	20 U	3.2 U	9.8 J	9.8 JT
T4-PS03	WLCT4C04PS03031517	21 U	3.3 U	82 U	82 UT
T4-PS04	WLCT4C04PS04041012	27 J	2 J	100 J	129 JT
T4-PS04	WLCT4C04PS04041517	21 U	3.2 U	83 U	83 UT
T4-PS12	WLCT4C04PS12121012	20 U	1.7 J	14 J	15.7 JT
T4-PS12	WLCT4C04PS12121517	23 U	3.3 U	89 U	89 UT
T4-PS17	WLCT4C04PS17171012	22 U	3.5 U	17 J	17 JT
T4-PS17	WLCT4C04PS17171517	21 U	3.4 U	83 U	83 UT
T4-PS20	WLCT4C04PS20201517	550 J	3.9 J	670 J	1220 JT
T4-PS20	WLCT4C04PS20202022	56 J	3.4 U	83 J	139 JT
T4-PS21	WLCT4C04PS21211517	380 J	2.8 J	630 J	1010 JT
T4-PS21	WLCT4C04PS21212022	250 J	4.3 U	410 J	660 JT
T4-PS22	WLCT4C04PS22221517	24 U	3.1 U	93 U	93 UT
T4-PS22	WLCT4C04PS22222022	21 U	3.2 U	84 U	84 UT
T4-PS28	WLCT4C04PS28281012	21 U	3.3 U	83 U	83 UT
T4-PS28	WLCT4C04PS28281517	22 U	3.2 U	87 U	87 UT
T4-PS31	WLCT4C04PS31.522.5	22 U	3.3 U	85 U	85 UT
T4-PS31	WLCT4C04PS31311517	15 J	3.1 U	20 J	35 JT
T4-PS32	WLCT4C04PS32321012	23 U	1.3 J	21 J	22.3 JT
T4-PS32	WLCT4C04PS32321517	24 U	3.3 U	13 J	13 JT
T4-PS33	WLCT4C04PS33331113	24 U	3.5 U	93 U	93 UT
T4-PS33	WLCT4C04PS33C33911	24 U	3.9 U	12 J	12 JT
T4-PS33	WLCT4C04PS33VC3357	23 U	3.4 U	92 U	92 UT
T4-UP09	WLCT4C04UP09UP0902	44 J	4.5 U	130 J	174 JT
T4-UP10	WLCT4C04UP10UP1002	41 J	4.1 U	140 J	181 JT
T4-VC01	WLCT4C04VC01VC0113	200 J	2.3 J	410 J	612 JT
T4-VC01	WLCT4C04VC01VC0135	20 U	3.2 U	19 J	19 JT
T4-VC02	WLCT4C04VC02VC0213	55 J	3 U	130 J	185 JT
T4-VC02	WLCT4C04VC02VC0235	19 U	3.2 U	73 U	73 UT
T4-VC02	WLCT4C04VC02VC0257	21 U	3.3 U	81 U	81 UT
T4-VC02	WLCT4C04VC02VC0279	21 U	3.3 U	83 U	83 UT
T4-VC03	WLCT4C04VC03VC0313	24 J	3.3 U	74 J	98 JT
T4-VC03	WLCT4C04VC03VC0335	20 U	2.8 U	78 U	78 UT
T4-VC03	WLCT4C04VC03VC0357	20 U	3.6 U	79 U	79 UT
T4-VC04	WLCT4C04VC04VC0413	62 J	4.3 U	200 J	262 JT
T4-VC04	WLCT4C04VC04VC0435	23 U	3.3 U	26 J	26 JT
T4-VC04	WLCT4C04VC04VC0457	18 U	3.3 U	71 U	71 UT
T4-VC04	WLCT4C04VC04VC0479	43 J	3.2 U	94 J	137 JT
T4-VC05	WLCT4C04VC05VC0513	51 J	3.1 U	120 J	171 JT
T4-VC05	WLCT4C04VC05VC0535	24 J	3.2 U	42 J	66 JT
T4-VC05	WLCT4C04VC05VC0557	21 U	3 U	81 U	81 UT
T4-VC05	WLCT4C04VC05VC0579	20 U	3.3 U	78 U	78 UT
T4-VC06	WLCT4C04VC06VC0613	53 J	3 J	110 J	166 JT
T4-VC06	WLCT4C04VC06VC0635	16 U	3.2 U	64 U	64 UT
T4-VC06	WLCT4C04VC06VC0657	14 U	2.7 U	54 U	54 UT
T4-VC06	WLCT4C04VC06VC0679	21 U	3.1 U	82 U	82 UT
T4-VC07	WLCT4C04VC07VC0713	360 J	4.5 U	960 J	1320 JT
T4-VC07	WLCT4C04VC07VC0735	100 J	3.6 U	260 J	360 JT
T4-VC07	WLCT4C04VC07VC0757	18 U	2.8 U	72 U	72 UT
T4-VC07	WLCT4C04VC07VC0779	20 U	2.9 U	79 U	79 UT
T4-VC08	WLCT4C04VC08C08911	24 U	3.5 U	95 U	95 UT
T4-VC08	WLCT4C04VC08VC0813	24 U	3.5 U	96 U	96 UT
T4-VC08	WLCT4C04VC08VC0835	21 U	3.4 U	83 U	83 UT
T4-VC08	WLCT4C04VC08VC0857	20 U	3.3 U	80 U	80 UT
T4-VC08	WLCT4C04VC08VC0879	25 U	3.5 U	98 U	98 UT
T4-VC09	WLCT4C04VC09C09911	24 U	3.7 U	95 U	95 UT
T4-VC09	WLCT4C04VC09VC0913	140 J	4.2 U	520 J	660 JT
T4-VC09	WLCT4C04VC09VC0935	150 J	2.1 J	380 J	532 JT
T4-VC09	WLCT4C04VC09VC0957	22 U	3.9 U	12 J	12 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
T4-VC09	WLCT4C04VC09VC0979	23 U	3.9 U	16 J	16 JT
T4-VC10	WLCT4C04VC10101113	24 U	3.7 U	9.7 J	9.7 JT
T4-VC10	WLCT4C04VC10C10911	24 U	3.8 U	13 J	13 JT
T4-VC10	WLCT4C04VC10VC1013	22 U	3.4 U	85 U	85 UT
T4-VC10	WLCT4C04VC10VC1035	23 U	1.6 J	9.2 J	10.8 JT
T4-VC10	WLCT4C04VC10VC1057	24 U	4.2 U	17 J	17 JT
T4-VC10	WLCT4C04VC10VC1079	23 U	3.7 U	17 J	17 JT
T4-VC11	WLCT4C04VC11C11911	15 U	3 U	60 U	60 UT
T4-VC11	WLCT4C04VC11VC1113	110 J	4.4 U	390 J	500 JT
T4-VC11	WLCT4C04VC11VC1135	31	3.2 U	61 J	92 JT
T4-VC11	WLCT4C04VC11VC1157	15 U	2.7 U	60 U	60 UT
T4-VC11	WLCT4C04VC11VC1179	17 U	3 U	68 U	68 UT
T4-VC12	WLCT4C04VC12VC1213	210 J	4.1 U	390 J	600 JT
T4-VC12	WLCT4C04VC12VC1235	310 J	3.5 U	480 J	790 JT
T4-VC12	WLCT4C04VC12VC1257	17 U	2.8 U	67 U	67 UT
T4-VC12	WLCT4C04VC12VC1279	18 U	3.2 U	71 U	71 UT
T4-VC13	WLCT4C04VC13VC1313	16 U	2.8 U	7.5 J	7.5 JT
T4-VC13	WLCT4C04VC13VC1335	24 U	2.9 U	93 U	93 UT
T4-VC13	WLCT4C04VC13VC1357	25 U	3.2 U	98 U	98 UT
T4-VC13	WLCT4C04VC13VC1379	17 J	3.4 U	24 J	41 JT
T4-VC14	WLCT4C04VC14VC1413	20 U	3.2 U	79 U	79 UT
T4-VC14	WLCT4C04VC14VC1435	21 U	3.3 U	18 J	18 JT
T4-VC14	WLCT4C04VC14VC1457	97 J	1.5 J	180 J	279 JT
T4-VC14	WLCT4C04VC14VC1479	19 U	3.2 U	74 U	74 UT
T4-VC15	WLCT4C04VC15C15911	25 U	3.7 U	97 U	97 UT
T4-VC15	WLCT4C04VC15VC1513	580 J	2.2 J	1200 J	1780 JT
T4-VC15	WLCT4C04VC15VC1535	77 J	4.1 U	170 J	247 JT
T4-VC15	WLCT4C04VC15VC1557	24 U	4 U	20 J	20 JT
T4-VC15	WLCT4C04VC15VC1579	25 U	1.6 J	31 J	32.6 JT
T4-VC16	WLCT4C04VC16C16911	23 U	3.6 U	92 U	92 UT
T4-VC16	WLCT4C04VC16VC1613	75 J	3.4 U	170 J	245 JT
T4-VC16	WLCT4C04VC16VC1635	24 U	3.5 U	93 U	93 UT
T4-VC16	WLCT4C04VC16VC1657	24 U	3.8 U	11 J	11 JT
T4-VC16	WLCT4C04VC16VC1679	22 U	3.7 U	88 U	88 UT
T4-VC17	WLCT4C04VC17VC1713	79 J	4.6 U	210 J	289 JT
T4-VC17	WLCT4C04VC17VC1735	390 J	7.1 J	660 J	1060 JT
T4-VC17	WLCT4C04VC17VC1757	120 J	3.4 U	220 J	340 JT
T4-VC18	WLCT4C04VC18VC1813	80 J	3.7 U	160 J	240 JT
T4-VC18	WLCT4C04VC18VC1835	83 J	3.9 U	180 J	263 JT
T4-VC18	WLCT4C04VC18VC1857	48 J	3.2 U	76 U	48 JT
T4-VC18	WLCT4C04VC18VC1879	18 U	3.2 U	71 U	71 UT
T4-VC19	WLCT4C04VC19C19911	27 J	3.5 U	59 J	86 JT
T4-VC19	WLCT4C04VC19VC1913	170 J	4.1 U	520 J	690 JT
T4-VC19	WLCT4C04VC19VC1935	88 J	3.4 U	210 J	298 JT
T4-VC19	WLCT4C04VC19VC1957	200 J	7.3 J	460 J	667 JT
T4-VC19	WLCT4C04VC19VC1979	67 J	2.7 J	130 J	200 JT
T4-VC20	WLCT4C04VC20201113	310 J	8 J	530 J	848 JT
T4-VC20	WLCT4C04VC20C20911	330 J	3.7 J	560 J	894 JT
T4-VC20	WLCT4C04VC20VC2013	50 J	4.5 U	180 J	230 JT
T4-VC20	WLCT4C04VC20VC2035	110 J	4.5 U	350 J	460 JT
T4-VC20	WLCT4C04VC20VC2057	180 J	4.3 U	440 J	620 JT
T4-VC20	WLCT4C04VC20VC2079	300 J	3.8 J	560 J	864 JT
T4-VC21	WLCT4C04VC21211113	430 J	7.3 J	840 J	1280 JT
T4-VC21	WLCT4C04VC21C21911	280 J	3.5 J	450 J	734 JT
T4-VC21	WLCT4C04VC21VC2113	51 J	3.9 U	170 J	221 JT
T4-VC21	WLCT4C04VC21VC2135	180 J	4.1 U	510 J	690 JT
T4-VC21	WLCT4C04VC21VC2157	220 J	4.1 J	440 J	664 JT
T4-VC21	WLCT4C04VC21VC2179	170 J	2.3 J	330 J	502 JT
T4-VC22	WLCT4C04VC22C22911	17 U	2.9 U	7.1 J	7.1 JT
T4-VC22	WLCT4C04VC22VC2213	14 U	2.7 U	5.9 J	5.9 JT
T4-VC22	WLCT4C04VC22VC2235	16 U	3 U	6.5 J	6.5 JT
T4-VC22	WLCT4C04VC22VC2257	15 U	3 U	7.9 J	7.9 JT
T4-VC22	WLCT4C04VC22VC2279	17 U	3.2 U	11 J	11 JT
T4-VC23	WLCT4C04VC23C23911	22 U	4.2 U	38 J	38 JT
T4-VC23	WLCT4C04VC23VC2313	13 U	4.9 U	50 U	50 UT
T4-VC23	WLCT4C04VC23VC2335	13 U	4.9 U	51 U	51 UT
T4-VC23	WLCT4C04VC23VC2357	13 U	4.9 U	50 U	50 UT
T4-VC23	WLCT4C04VC23VC2379	13 U	4.9 U	50 U	50 UT
T4-VC24	WLCT4C04VC24241113	21 U	3.4 U	82 U	82 UT
T4-VC24	WLCT4C04VC24C24911	18 U	4.9 U	13 J	13 JT

Table C2-22. Petroleum Hydrocarbon Values Used in TPH Calculations for Subsurface Sediment Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Location Name	**Sample ID**				
T4-VC24	WLCT4C04VC24VC2413	44 J	5 U	140 J	184 JT
T4-VC24	WLCT4C04VC24VC2435	13 U	4.9 U	42 J	42 JT
T4-VC24	WLCT4C04VC24VC2457	18 U	4.9 U	9.3 J	9.3 JT
T4-VC24	WLCT4C04VC24VC2479	21 U	4.8 U	81 U	81 UT
T4-VC25	WLCT4C04VC25C25911	17 U	3.2 U	7.9 J	7.9 JT
T4-VC25	WLCT4C04VC25VC2513	9.6 J	2.7 U	7.4 J	17 JT
T4-VC25	WLCT4C04VC25VC2535	13 J	3.2 U	11 J	24 JT
T4-VC25	WLCT4C04VC25VC2557	16 U	3.1 U	6.6 J	6.6 JT
T4-VC25	WLCT4C04VC25VC2579	16 U	3.2 U	8.1 J	8.1 JT
T4-VC26	WLCT4C04VC26V2613	170 J	3.2 U	480 J	650 JT
T4-VC26	WLCT4C04VC26VC2635	270 J	4.9 U	580 J	850 JT
T4-VC26	WLCT4C04VC26VC2657	37 J	1.4 J	58 J	96.4 JT
T4-VC26	WLCT4C04VC26VC2679	16 U	4.9 U	63 U	63 UT
T4-VC27	WLCT4C04VC27VC2713	14 U	2.7 U	55 U	55 UT
T4-VC27	WLCT4C04VC27VC2735	15 U	2.9 U	60 U	60 UT
T4-VC27	WLCT4C04VC27VC2757	14 U	2.7 U	55 U	55 UT
T4-VC27	WLCT4C04VC27VC2779	16 U	3.2 U	63 U	63 UT
T4-VC28	WLCT4C04VC28VC2813	16 U	4.9 U	62 U	62 UT
T4-VC28	WLCT4C04VC28VC2835	15 U	4.9 U	60 U	60 UT
T4-VC28	WLCT4C04VC28VC2857	16 U	4.9 U	62 U	62 UT
T4-VC28	WLCT4C04VC28VC2879	15 U	5 U	60 U	60 UT
T4-VC29	WLCT4C04VC29C29911	23 U	4.9 U	89 U	89 UT
T4-VC29	WLCT4C04VC29VC2913	340 J	3.1 U	420 J	760 JT
T4-VC29	WLCT4C04VC29VC2935	96 J	4.8 U	230 J	326 JT
T4-VC29	WLCT4C04VC29VC2957	17 U	4.8 U	66 U	66 UT
T4-VC29	WLCT4C04VC29VC2979	22 U	4.9 U	86 U	86 UT
T4-VC30	WLCT4C04VC30C30911	17 U	3.1 U	66 U	66 UT
T4-VC30	WLCT4C04VC30VC3013	130 J	4.3 U	350 J	480 JT
T4-VC30	WLCT4C04VC30VC3035	210 J	4.5 U	410 J	620 JT
T4-VC30	WLCT4C04VC30VC3057	210 J	1.9 J	380 J	592 JT
T4-VC30	WLCT4C04VC30VC3079	400 J	5.2 J	590 J	995 JT
T4-VC31	WLCT4C04VC31C31911	220 J	6.1 J	360 J	586 JT
T4-VC31	WLCT4C04VC31VC3113	85 J	4.2 U	250 J	335 JT
T4-VC31	WLCT4C04VC31VC3135	120 J	3.9 U	270 J	390 JT
T4-VC31	WLCT4C04VC31VC3157	160 J	5.1 J	310 J	475 JT
T4-VC31	WLCT4C04VC31VC3179	620 J	13 J	950 J	1580 JT
T4-VC32	WLCT4C04VC32VC3213	280 J	3 U	630 J	910 JT
T4-VC32	WLCT4C04VC32VC3235	260 J	5 U	690 J	950 JT
T4-VC32	WLCT4C04VC32VC3257	16 U	4.9 U	62 U	62 UT
T4-VC32	WLCT4C04VC32VC3279	20 U	3.4 U	78 U	78 UT
N-20	WLCWTI00N20N20	703	20 U		703 JT
N-40	WLCWTI00N40N40	50 U	20 U		50 UT
S-20	WLCWTI00S20S20	153	20 U		153 JT
S-40	WLCWTI00S40S40	50 U	20 U		50 UT
TP1-1	WLCWTI00TP11TP11	50 U	20 U		50 UT
TP1-2	WLCWTI00TP12TP12	10200	20 U		10200 JT
TP-2-N	WLCWTI00TP2NTP2N	6850	20 U		6850 JT
TP-2-S	WLCWTI00TP2STP2S	12400	20 U		12400 JT
TP-3-N	WLCWTI00TP3NTP3N	7880	20 U		7880 JT
TP-3-S	WLCWTI00TP3STP3S	8450	20 U		8450 JT
TP-4-N(3)	WLCWTI00TP4N3TP4N3	11600	20 U		11600 JT
TP-4-N(6)	WLCWTI00TP4N6TP4N6	50 U	20 U		50 UT
TP-4-S(7.5)	WLCWTI00TP4S7TP4S7	2180	20 U		2180 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-23. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Seep Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclors
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**								
OF22	WLCGND05OF22041115	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UT
OF23	WLCGND05OF23041115	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UT
SEEP01	WLCGND05SEEP01041115	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UT
SEEP01	WLCGND05SEEP01050425	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UT
SEEP02	WLCGND05SEEP02041102	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.602	0.5 U	0.602 T
SEEP02	WLCGND05SEEP02050425	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.828	0.5 U	0.828 T
OF22B	WLCRPI04OF22B040923	0.25 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 UT

Notes:

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-24. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Seep Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**											
OF22B	WLCRPI04OF22B040923	5.3 U	9.6 U	5.2 U	19 U	140	37	7.2 U	4.3 U	7.3 U	8.2 U	177 T
OF22C	WLCRPI04OF22C031118	3.13 U	7.39 U	8.15 U	45.5	129	5.97 U	3.03 U	4.3	7.5	17.2 U	186 T
OF22C	WLCRPI04OF22C031205	3.17 U	7.5 U	8.27 U	50.9	160	3.1 J	4	10.2 U	6	19.1 J	243 JT
OF22C	WLCRPI04OF22C040923	4.5 U	8.9 U	4.1 U	5.7 U	12 U	3.3 U	5.2 U	4.1 U	5.1 U	7.8 U	12 UT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-25. Dioxin and Furan Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Seep Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7,8-Hexachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran	Dioxin/furan TCDD toxicity equivalent
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																		
OF22B	WLCRPI04OF22B020813	3.1 U	12 U	9.2 U	7.9 U	11 U	36 U	8.1 U	1.2 U	12 U	10 U	8.3 U	7.7 U	9.6 U	7.4 U	9.6 U	7.4 U	21 U	0 UT
OF22B	WLCRPI04OF22B040923	5.3 U	9.6 U	5.2 U	4.9 U	19 U	140	4.9 U	3.5 U	6.6 U	7.2 U	4.1 U	3.8 U	4.3 U	3.6 U	5.2 U	7.3 U	8.2 U	0.014 T
OF22C	WLCRPI04OF22C020813	3.1 U	12 U	13 U	11 U	11 U	36 U	12 U	1.2 U	12 U	12 U	13 U	9.1 U	9.9 U	9.1 U	9.6 U	9.1 U	21 U	0 UT
OF22C	WLCRPI04OF22C031118	3.13 U	7.39 U	8.82 U	15.2 U	20.5 J	129	8.15 U	5.97 U	4.45 U	3.03 U	9.76 U	9.76 U	8.91 U	6.07 U	17.6 U	8.91 U	17.2 U	0.218 JT
OF22C	WLCRPI04OF22C031205	3.17 U	7.5 U	8.94 U	15.4 U	24.1 J	160	8.27 U	6.06 U	4.52 U	3.08 U	1.5 U	9.9 U	9.04 U	6.15 U	6	9.04 U	19.1 J	0.319 JT
OF22C	WLCRPI04OF22C040923	4.5 U	8.9 U	4.1 U	3.8 U	5.7 U	12 U	3.8 U	3.3 U	4.8 U	5.2 U	3.5 U	3.4 U	4.1 U	3.3 U	3.4 U	5.1 U	7.8 U	0 UT

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-26. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Seep Samples.

	CAS No	**72-54-8**	**72-55-9**	**50-29-3**	**PP_DDT3ISO**
	Chemical Name	**4,4'-DDD**	**4,4'-DDE**	**4,4'-DDT**	**Total of 4,4'-DDD, -DDE, -DDT**
	Unit	**µg/l**	**µg/l**	**µg/l**	**µg/l**
Location Name	**Sample ID**				
OF22B	WLCRPI04OF22B020813	0.00479 U	0.00904 N	0.00508 U	0.00904 T
OF22B	WLCRPI04OF22B040923	0.05 U	0.05 U	0.05 U	0.05 UT
OF22C	WLCRPI04OF22C020813	0.0046 U	0.00381 U	0.00488 U	0.00488 UT
OF22C	WLCRPI04OF22C031118	0.00472 U	0.00472 U	0.00472 U	0.00472 UT
OF22C	WLCRPI04OF22C031205	0.0125 U	0.0125 U	0.0125 U	0.0125 UT
OF22C	WLCRPI04OF22C040923	0.05 U	0.05 U	0.05 U	0.05 UT

Notes:

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-27. Values Used in Total Endosulfans Calculations for Seep Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**				
OF22B	WLCRPI04OF22B020813	0.00507 U	0.0039 U	0.005 U	0.00547 UT
OF22B	WLCRPI04OF22B040923	0.05 U	0.05 U	0.05 U	0.05 UT
OF22C	WLCRPI04OF22C020813	0.00487 U	0.0037 U	0.005 U	0.00525 UT
OF22C	WLCRPI04OF22C031118	0.00472 U	0.0047 U	0.005 U	0.00472 UT
OF22C	WLCRPI04OF22C031205	0.0125 U	0.0125 U	0.013 U	0.0125 UT
OF22C	WLCRPI04OF22C040923	0.05 U	0.05 U	0.05 U	0.05 UT

Notes:
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-28. PAH Values Used in Total PAH Calculations for Seep Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**												
OF01	WLCGND05OF01041102		0.118 U	0.118 U	0.118 U	0.118 U	0.118 U	0.196	0.196 JT	0.235 U	0.118 U	0.118 U	0.118 U
SEEP01	WLCGND05SEEP01050425		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.2 U	0.1 U	0.1 U	0.1 U
SEEP02	WLCGND05SEEP02041102		0.301	0.2 U	0.2 U	0.2 U	0.2 U	0.238	0.539 JT	0.4 U	0.22	0.2 U	0.216
SEEP02	WLCGND05SEEP02050425		0.435	0.1 U	0.127	0.208	0.1 U	0.256	1.03 JT	0.2 U	0.22	0.1	0.288
OF22B	WLCRPI04OF22B020813	0.243	0.345 J	0.0149 U	0.0149 U	0.0139 U	0.132	0.139 N	0.859 JT	0.0267 U	0.0436 U	0.0465 U	
OF22B	WLCRPI04OF22B040923	3 U	0.225	0.05 U	0.05 U	0.05 U	0.0989 U	0.175	0.4 T	0.1 U	0.05 U	0.05 U	0.05 U
OF22C	WLCRPI04OF22C020813	0.144 U	32.5 J	0.182 J	0.456	6.26	0.688	0.243	40.3 JT	0.0259 U	0.0422 U	0.0451 U	
OF22C	WLCRPI04OF22C031118	3 U	8.51	0.05 U	0.125	1.79	3.35	0.679	14.5 T	0.1 U	0.05 U	0.05 U	0.05 U
OF22C	WLCRPI04OF22C031205	3 U	0.228	0.05 U	0.05 U	0.05 U	0.39	0.05 U	0.618 T	0.1 U	0.05 U	0.05 U	0.05 U
OF22C	WLCRPI04OF22C040923		17	0.256	0.298 J	3.46	7.18	1.05	29.2 JT	0.1 U	0.05 U	0.05 U	0.05 U

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Table C2-28. PAH Values Used in Total PAH Calculations for Seep Samples.

	CAS No	207-08-9	BKBFLANTH	56832-73-6	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Benzofluoranthenes	Benzo(g,h,i) perylene	Chrysene	Fluor anthene	Indeno(1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**										
OF01	WLCGND05OF01041102	0.118 U	0.118 UT		0.118 U	0.149	0.239	0.118 U	0.237	0.625 T	0.821 JT
SEEP01	WLCGND05SEEP01050425	0.1 U	0.1 UT		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 UT	0.2 UT
SEEP02	WLCGND05SEEP02041102	0.2 U	0.216 T		0.2 U	0.357	0.916	0.2 U	0.943	2.65 T	3.189 JT
SEEP02	WLCGND05SEEP02050425	0.1 U	0.288 T		0.1 U	0.309	1.31	0.1 U	1.27	3.5 T	4.53 JT
OF22B	WLCRPI04OF22B020813			0.0376 U	0.0337 U	0.0248 U	0.125	0.0297 U	0.104	0.229 T	1.088 JT
OF22B	WLCRPI04OF22B040923	0.05 U	0.05 UT		0.05 U	0.05 U	0.15 U	0.05 U	0.15 U	0.15 UT	0.4 T
OF22C	WLCRPI04OF22C020813			0.0365 U	0.0326 U	0.024 U	2.05	0.0288 U	2.09	4.14 T	44.44 JT
OF22C	WLCRPI04OF22C031118	0.05 U	0.05 UT		0.05 U	0.05 U	0.688	0.05 U	0.684	1.37 T	15.87 T
OF22C	WLCRPI04OF22C031205	0.05 U	0.05 UT		0.05 U	0.05 U	0.0647	0.05 U	0.0627	0.127 T	0.745 T
OF22C	WLCRPI04OF22C040923	0.05 U	0.05 UT		0.05 U	0.05 U	1.25	0.05 U	1.39 J	2.64 JT	31.84 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-29. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Seep Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**							
OF10	WLCGND05OF10041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF13	WLCGND05OF13041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF16	WLCGND05OF16041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF16	WLCGND05OF16050425	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF17	WLCGND05OF17041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF17	WLCGND05OF17050425	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF20	WLCGND05OF20041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
OF20	WLCGND05OF20050425	1 U	2.86	1 U	2 U	1 U	2 UT	2.86 T
SEEP03	WLCGND05SEEP03041102	1 U	1 U	1 U	2 U	1 U	2 UT	2 UT
SEEP03	WLCGND05SEEP03050425	1 U	1 U	2.4	7.07	1.12	8.19 T	10.6 T
OF22B	WLCRPI04OF22B020813	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 UT	1 UT
OF22B	WLCRPI04OF22B040923	0.19	0.155 U	0.11 U	0.295 U	0.187 U	0.295 UT	0.19 T
OF22C	WLCRPI04OF22C020813	3.15	0.5 U	0.5 U	1 U	0.5 U	1 UT	3.15 T
OF22C	WLCRPI04OF22C031118	0.147 U	0.155 U	0.11 U	0.295 U	0.187 U	0.295 UT	0.295 UT
OF22C	WLCRPI04OF22C031205	0.147 U	0.155 U	0.11 U	0.295 U	0.187 U	0.295 UT	0.295 UT
OF22C	WLCRPI04OF22C040923	0.147 U	0.155 U	0.11 U	0.295 U	0.187 U	0.295 UT	0.295 UT

Notes:

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-30. Petroleum Hydrocarbon Values Used in TPH Calculations for Seep Samples.

	CAS No	DRH	GRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/l	mg/l	mg/l
Location Name	**Sample ID**			
OF22	WLCGND05OF22041115	0.472 U	0.25 U	0.472 UT
OF22	WLCGND05OF22050425	0.63 U	0.25 U	0.63 UT
OF23	WLCGND05OF23041115	0.63 U	0.25 U	0.63 UT
SEEP01	WLCGND05SEEP01041115	0.63 U	0.25 U	0.63 UT
SEEP01	WLCGND05SEEP01050425	0.472 U	0.25 U	0.472 UT
SEEP02	WLCGND05SEEP02041102	0.245 U	0.25 U	0.25 UT
SEEP02	WLCGND05SEEP02050425	0.63 U	0.25 U	0.63 UT
OF22B	WLCRPI04OF22B040923	0.63 U	0.25 U	0.63 UT
OF22C	WLCRPI04OF22C031118	0.63 U	0.25 U	0.63 UT
OF22C	WLCRPI04OF22C031205	0.63 U	0.25 U	0.63 UT

Notes:

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-31. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Transition Zone Water Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**											
RP03CTR	LWG2-T30-RP3C	2.58 U	2.779 U	3.394 U	3.503 U	221.715 U	2.705 U	2.173 U	1.97 U	2.796 U	10.093 U	221.72 UT
RP03CTR	LWG2-T30-RP3C Filt	2.139 U	2.478 U	2.226 U	3.221 U	8.028 U	1.802 U	2.041 U	1.591 U	2.608 U	10.241 U	10.241 UT
RP07BTR	LWG2-T30-RP7B	2.243	0.721 U	0.396 U	0.447 U	51.825 U	6.999	3.436	9.068	7.25	9.696 U	29 T
RP07BTR	LWG2-T30-RP7B-D	0.293 U	0.427 U	1.536	17.057	102.936 U	4.592	5.446	12.383	10.264	16.021 U	51.3 T
RP07BTR	LWG2-T30-RP7B-D-FILT	0.271 U	0.465 U	0.469 U	0.48 U	7.483 U	0.484 U	0.336 U	0.387 U	0.381 U	0.829 U	7.483 UT
RP07BTR	LWG2-T30-RP7B-FILT	0.23 U	0.363 U	0.362 U	0.865	4.64 U	0.286 U	0.186 U	0.193 U	0.304 U	0.615 U	0.865 T

Notes:

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-32. Dioxin and Furan Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Transition Zone Water Samples.

	CAS No	**1746-01-6**	**40321-76-4**	**39227-28-6**	**19408-74-3**	**35822-46-9**	**3268-87-9**	**57653-85-7**	**51207-31-9**	**57117-41-6**	**57117-31-4**	**70648-26-9**	**57117-44-9**	**72918-21-9**	**60851-34-5**	**67562-39-4**	**55673-89-7**	**39001-02-0**	**TEQ_DIOXIN**
	Chemical Name	**2,3,7,8-Tetrachlorodibenzo-p-dioxin**	**1,2,3,7,8-Pentachlorodibenzo-p-dioxin**	**1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin**	**1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin**	**1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin**	**Octachlorodibenzo-p-dioxin**	**1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin**	**2,3,7,8-Tetrachlorodibenzofuran**	**1,2,3,7,8-Pentachlorodibenzofuran**	**2,3,4,7,8-Pentachlorodibenzofuran**	**1,2,3,4,7,8-Hexachlorodibenzofuran**	**1,2,3,6,7,8-Hexachlorodibenzofuran**	**1,2,3,7,8,9-Hexachlorodibenzofuran**	**2,3,4,6,7,8-Hexachlorodibenzofuran**	**1,2,3,4,6,7,8-Heptachlorodibenzofuran**	**1,2,3,4,7,8,9-Heptachlorodibenzofuran**	**Octachlorodibenzofuran**	**Dioxin/furan TCDD toxicity equivalent**
	Unit	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**
Location Name	**Sample ID**																		
RP03CTR	LWG2-T30-RP3C	2.58 U	2.779 U	3.394 U	3.594 U	16.62 U	221.715 U	3.806 U	2.705 U	1.845 U	2.173 U	1.97 U	2.065 U	2.767 U	1.972 U	2.796 U	4.043 U	10.093 U	0 UT
RP03CTR	LWG2-T30-RP3C Filt	2.139 U	2.478 U	1.993 U	2.107 U	3.221 U	8.028 U	2.226 U	1.802 U	1.9 U	2.041 U	1.552 U	1.591 U	2.31 U	1.613 U	2.608 U	4.278 U	10.241 U	0 UT
RP07BTR	LWG2-T30-RP7B	0.247 U	0.721 U	0.396 U	0.435 U	4.955 U	51.825 U	0.47 U	8.106 J	3.436 J	0.365 U	6.415 J	1.664 J	0.244 U	0.223 U	3.901 U	0.599 U	9.696 U	1.79 JT
RP07BTR	LWG2-T30-RP7B-D	0.293 U	0.427 U	0.39 U	0.432 U	8.096 J	102.936 U	0.471 U	3.654 U	2.664 J	1.293 J	5.803 J	1.776 J	0.276 U	0.246 U	4.581 U	1.561 J	16.021 U	1.63 JT
RP07BTR	LWG2-T30-RP7B-D-FILT	0.271 U	0.465 U	0.469 U	0.503 U	1.143 U	7.483 U	0.532 U	0.484 U	0.314 U	0.336 U	0.387 U	0.414 U	0.447 U	0.433 U	0.381 U	0.49 U	0.829 U	0 UT
RP07BTR	LWG2-T30-RP7B-FILT	0.23 U	0.363 U	0.362 U	0.405 U	0.291 U	4.64 U	0.446 U	0.286 U	0.18 U	0.186 U	0.193 U	0.212 U	0.244 U	0.215 U	0.304 U	0.403 U	0.615 U	0 UT

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-33. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Transition Zone Water Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
AP03DPR	LWG2-P-AP03D	0.0055 U	0.0046 U	0.0059 U	0.0059 UT	0.004 UJ	0.0024 UJ	0.016 UJ	0.016 UJT	0.0055 UT	0.0046 UT	0.016 UJT
AP04CPR	LWG2-P-AP04C	0.0074 U	0.0062 U	0.008 U	0.008 UT	0.0034 UJ	0.0032 UJ	0.00092 UJ	0.008 UT	0.0074 UT	0.0062 UT	0.008 UT
R2AP01PR	LWG2-P-R2AP1	0.0087 U	0.0073 U	0.0094 U	0.0094 UT	0.004 UJ	0.0038 UJ	0.0011 UJ	0.0094 UT	0.0087 UT	0.0073 UT	0.0094 UT
R2AP01PR	LWG2-P-R2AP1-2	0.0072 U	0.006 U	0.0077 U	0.0077 UT	0.0033 UJ	0.0031 UJ	0.00089 UJ	0.0077 UT	0.0072 UT	0.006 UT	0.0077 UT
AP02ATR	LWG2-T30-AP2A	0.13 J	0.038 U	1.1 J	1.23 JT	0.07 J	0.02 U	0.014 U	1.3 JT	0.2 JT	0.038 UT	1.1 JT
AP02ATR	LWG2-T30-AP2A-Filt	0.025 J	0.0045 U	0.0058 U	0.025 JT	0.011 J	0.0023 U	0.015 U	0.036 JT	0.036 JT	0.0045 UT	0.015 UT
AP02DTR	LWG2-T30-AP2D	1.3	0.93 U	0.15 U	1.3 T	1.1 J	0.79 U	0.15 U	2.4 JT	2.4 JT	0.93 UT	0.15 UT
AP03ATR	LWG2-T30-AP3A	0.72	0.12 J	1.8	2.64 JT	0.32	0.027 U	0.093 J	3.05 JT	1.04 T	0.12 JT	1.89 JT
AP03ATR	LWG2-T30-AP3A-D	0.49	0.043 J	0.84	1.37 JT	0.2	0.013 U	0.047 U	1.57 JT	0.69 T	0.043 JT	0.84 T
AP03ATR	LWG2-T30-AP3A-D-Filt	0.068 U	0.021 U	0.028 U	0.068 UT	0.04 J	0.011 U	0.012 U	0.04 JT	0.04 JT	0.021 UT	0.028 UT
AP03ATR	LWG2-T30-AP3A-Filt	0.077 U	0.024 U	0.031 U	0.077 UT	0.029 J	0.013 U	0.0036 U	0.029 JT	0.029 JT	0.024 UT	0.031 UT
R2AP02TR	LWG2-T30-R2AP2	0.15 U	0.045 U	0.058 U	0.15 UT	0.066 J	0.023 U	0.013 U	0.066 JT	0.066 JT	0.045 UT	0.058 UT
RP03CTR	LWG2-T30-RP3C	0.015 J	0.015 J	0.0063 U	0.03 JT	0.17	0.012 U	0.0098 J	0.21 JT	0.185 JT	0.015 JT	0.0098 JT
RP03CTR	LWG2-T30-RP3C Filt	0.0047 U	0.0039 U	0.005 U	0.005 UT	0.15	0.013 U	0.0078 NJ	0.158 JT	0.15 T	0.013 UT	0.0078 JT
AP03ATR	LWG2-T90-AP3A	1.7	0.19 J	2.7	4.59 JT	0.67	0.054 U	0.47	5.73 JT	2.37 T	0.19 JT	3.17 T
AP03DTR	LWG2-T90-AP3D	0.12 J	0.02 U	0.026 U	0.12 JT	0.049 J	0.064 U	0.0034 U	0.169 JT	0.169 JT	0.064 UT	0.026 UT
R2AP02TR	LWG2-T90-R2AP2	1.8 J	0.2 J	0.87	2.87 JT	0.66 J	0.075 U	0.076 J	3.61 JT	2.46 JT	0.2 JT	0.946 JT
RP03CTR	LWG2-T90-RP3C	0.0052 U	0.0085 U	0.0056 U	0.0085 UT	0.16	0.014 U	0.01 J	0.17 JT	0.16 T	0.014 UT	0.01 JT
RP03CTR	LWG2-T90-RP3C-Filt	0.0051 U	0.0043 U	0.0055 U	0.0055 UT	0.16	0.014 U	0.019 J	0.179 JT	0.16 T	0.014 UT	0.019 JT
AP03B-1	LWP1-T-AP03BDupfilt	0.017 U	0.0084 NJ	0.0096 U	0.0084 JT							
AP03B-1	LWP1-T-AP03BDupunfilt	0.42	0.092	1.1	1.61 T							
AP03B-1	LWP1-T-AP03Bfilt	0.032 U	0.0015 U	0.035 U	0.035 UT							
AP03B-1	LWP1-T-AP03Bunfilt	0.88	0.24	1.3	2.42 T							
AP04B	LWP1-T-AP04Bfilt	0.0019 U	0.0015 U	0.0042 U	0.0042 UT							
AP04B	LWP1-T-AP04Bunfilt	0.0019 U	0.018	0.66	0.678 T							
AP04D	LWP1-T-AP04Dfilt	0.008 U	0.0015 U	0.0072 U	0.008 UT							
AP04D	LWP1-T-AP04Dunfilt	0.015 U	0.0015 U	0.0075 J	0.0075 JT							
AP03B-1	LWP-TZW3-AP03B-1	0.032 NJ	0.0091 U	0.026 U	0.032 JT							
AP03B-2	LWP-TZW3-AP03B-2	0.0015 U	0.0024 U	0.019 U	0.019 UT							
AP04B	LWP-TZW3AP04B	0.017 U	0.0012 U	0.015 U	0.017 UT							
AP04D	LWP-TZW3AP04D	0.0015 U	0.0039 NJ	0.0096 J	0.0135 JT							

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-34. PAH Values Used in Total PAH Calculations for Transition Zone Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a) anthracene	Benzo(a) pyrene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
AR04BPR	LWG2-P-AR04B	0.013 U	0.93	0.013 J	0.0094 J	0.23	0.04 U	0.24	1.42 JT	0.0034 U	0.0044 U	0.0033 U
AR04BPR	LWG2-P-AR04B-2	0.024 U	0.84	0.011 J	0.0084 J	0.17	0.048	0.17	1.25 JT	0.0033 U	0.0042 U	0.0032 U
GS01BPR	LWG2-P-GSC1B	7.2	18	0.18	0.88	6.8	250	7.8	290 T	0.0047 J	0.13	0.082
GS07DPR	LWG2-P-GSC7D	0.28	21	0.17	0.88	6	4.4	12	45 T	0.0033 U	0.042	0.016 J
GS07DPR	LWG2-P-GSC7D-2	0.94	26	0.23	1.1	7.7	4.7	15	56 T	0.0032 U	0.039	0.0031 U
KM10APR	LWG2-P-KM10A	0.0056 U	0.032 J	0.0035 U	0.0045 J	0.0075 J	0.015 U	0.021 U	0.044 JT	0.0055 J	0.0041 U	0.0031 U
KM11BPR	LWG2-P-KM11B	0.089	1.3	0.011 J	0.035 J	0.89	0.025 U	0.48	2.81 JT	0.0032 U	0.0041 U	0.0031 U
KM11BPR	LWG2-P-KM11B-2	0.009 U	0.76	0.0088 J	0.011 J	0.23	0.02 U	0.14	1.15 JT	0.0032 U	0.0042 U	0.0031 U
KM06APR	LWG2-P-KM6A	0.011 U	0.018 J	0.0032 U	0.0019 U	0.0047 U	0.026 U	0.044	0.062 JT	0.0029 U	0.0038 U	0.0029 U
R2KM02PR	LWG2-P-R2KM2	0.0096 U	0.089	0.0032 U	0.0042 J	0.026 J	0.027 U	0.029 U	0.119 JT	0.0029 U	0.0037 U	0.0028 U
SL01EPR	LWG2-P-SLT1E	0.58	15	0.087	0.35	3.3	1 J	3.4	23.7 JT	0.0031 U	0.0064 J	0.003 U
SL02CPR	LWG2-P-SLT2C	0.12	1.2	0.027 J	0.14	0.43	0.63 J	0.86	3.41 JT	0.0029 U	0.0056 J	0.0028 U
SL02EPR	LWG2-P-SLT2E	4.1	88	0.57	2	25	1.6 J	16	137 JT	0.0029 U	0.026 J	0.0028 U
SL03CPR	LWG2-P-SLT3C	0.082	8.4	0.11	0.33	2.6	0.52 J	3.9	15.9 JT	0.0029 U	0.0073 J	0.0028 U
SL03FPR	LWG2-P-SLT3F	0.23	22	0.18	0.2	4	0.78 J	1.4	28.8 JT	0.0029 U	0.0089 J	0.0028 U
SL03FPR	LWG2-P-SLT3F-2	4	60	0.39	0.68	16	2.4	7.2	90.7 T	0.0029 J	0.011 J	0.0029 U
SL04FPR	LWG2-P-SLT4F	36	76	0.59	4.4	24	2.9	34	178 T	0.003 U	0.047	0.0076 J
W09CPR	LWG2-P-W09C	0.32	0.79	0.011 J	0.013 J	0.46	0.18	0.2	1.97 JT	0.0033 U	0.0043 U	0.0032 U
W04CPR	LWG2-P-W4C	0.026 U	0.17	0.0032 U	0.0063 J	0.066	0.045 U	0.087	0.329 JT	0.0029 U	0.0037 U	0.0028 U
W04CPR	LWG2-P-W4C-2	0.025 U	0.15	0.0032 U	0.0049 J	0.064	0.044 U	0.082	0.301 JT	0.0029 U	0.0037 U	0.0028 U
AR01ATR	LWG2-T30-AR1A	0.065 U	1.2	0.057	0.054 U	0.24	0.62	1.4	3.52 T	0.012 J	0.08 U	0.086
AR01ATR	LWG2-T30-AR1A-D	0.062 U	1.5	0.085	0.082	0.31	0.73 J	1.9	4.61 JT	0.022 J	0.15	0.21
AR01ATR	LWG2-T30-AR1A-D-FILT	0.018 U	0.79	0.023 U	0.0093 J	0.11	0.23	0.4	1.54 JT	0.0024 U	0.003 U	0.0023 U
AR01ATR	LWG2-T30-AR1A-FILT	0.02 U	0.83	0.025 U	0.01 J	0.12	0.24	0.42	1.62 JT	0.0025 U	0.0032 U	0.0024 U
AR02ATR	LWG2-T30-AR2A	0.0076 U	0.36	0.015 U	0.014 U	0.041 U	0.031 U	0.19 U	0.36 T	0.0051 J	0.033 U	0.044 U
AR02ATR	LWG2-T30-AR2A-FILT	0.0054 U	0.19	0.0057 U	0.0027 J	0.014 J	0.018 U	0.055 U	0.207 JT	0.0025 U	0.0032 U	0.0024 U
EM01ATR	LWG2-T30-EM1A	0.042 U	0.59	0.063 U	0.026 U	0.8	0.44 J	0.19 U	1.83 JT	0.0019 U	0.019 U	0.018 U
EM01ATR	LWG2-T30-EM1A-Filt	0.02 U	0.32	0.038 U	0.007 J	0.36	0.29	0.046 U	0.977 JT	0.0019 U	0.0024 U	0.0018 U
EM02ATR	LWG2-T30-EM2A	0.0034 U	0.069 U	0.0078 U	0.0056 U	0.021 U	0.0067 U	0.0066 U	0.069 UT	0.0021 U	0.0049 U	0.0025 J
EM02ATR	LWG2-T30-EM2A-Filt	0.016 U	0.15	0.0081 U	0.0066 J	0.058	0.085 U	0.048 U	0.215 JT	0.0022 U	0.0028 U	0.0021 U
EM02CTR	LWG2-T30-EM2C	0.04 U	2.7	0.087	0.059 U	0.12 U	0.16 U	0.95 U	2.79 T	0.031 J	0.19 J	0.35 J
EM03ATR	LWG2-T30-EM3A	0.063 U	0.42	0.012 U	0.017 U	0.15	0.032 U	0.095 U	0.57 T	0.002 U	0.009 U	0.0045 U
EM03ATR	LWG2-T30-EM3A-D-Filt	0.14	3.1	0.055	0.25 J	2.1	0.037 U	6.7	12.3 JT	0.0022 U	0.0046 J	0.0021 U
EM03ATR	LWG2-T30-EM3A-Filt	0.085	0.34	0.0065 J	0.011 J	0.11	0.026 U	0.096 U	0.553 JT	0.0018 U	0.0024 U	0.0018 U
EM04ATR	LWG2-T30-EM4A	0.17	4.8	0.059	0.084	1.3	0.11 U	2.8	9.21 T	0.0019 U	0.051 U	0.018 U
EM04ATR	LWG2-T30-EM4A-Filt	0.11	3.7	0.058	0.07	0.94	0.12 U	2	6.88 T	0.0018 U	0.0095 J	0.0018 U
EM04CTR	LWG2-T30-EM4C	0.018 U	0.3	0.071	0.19	0.23	0.069 U	0.98 U	0.791 T	0.015 J	0.23	0.21
EM05ATR	LWG2-T30-EM5A	0.025 U	15	0.2	0.59	5.4	0.24	13	34.4 T	0.0083 J	0.16	0.14
EM05ATR	LWG2-T30-EM5A-Filt	0.0097 U	8	0.1	0.12	2.3	0.12 U	3.4	13.9 T	0.0022 U	0.0029 U	0.0022 U
EM06BTR	LWG2-T30-EM6B	0.03 U	4.2	0.22 U	0.32	2.4	0.35 J	4	11.3 JT	0.0023 U	0.058 U	0.028 U
EM06BTR	LWG2-T30-EM6B-Filt	0.0098 U	2.1	0.085 U	0.054	0.87	0.21 U	1.1 U	3.02 T	0.0024 U	0.0031 U	0.0023 U
EM08ATR	LWG2-T30-EM8A	0.0075 U	0.66	0.011 U	0.027 U	0.035 U	0.072 U	0.58 U	0.66 T	0.0023 U	0.011 U	0.0036 U
EM08ATR	LWG2-T30-EM8A-Filt	0.005 U	0.39	0.0085 U	0.012 J	0.015 U	0.064 U	0.18	0.582 JT	0.0025 U	0.0033 U	0.0025 U
GS02ATR	LWG2-T30-GS2A	51	17	1	4.8	18	1100	50	1240 T	0.34	3.2	3
GS02ATR	LWG2-T30-GS2A-D	51	17	0.66	3.4	19	1000	45	1140 T	0.12	1.8	1.2
GS02ATR	LWG2-T30-GS2A-D-FILT	43	14	0.41	0.94	12	1100	19	1190 T	0.0022 U	0.22	0.11
GS02ATR	LWG2-T30-GS2A-FILT	44	14	0.41	0.81	13	1100	21	1190 T	0.0024 J	0.17	0.075
GS07BTR	LWG2-T30-GS7B	84	120	3.6	9.3	31	3100	79	3430 T	0.21	2.4	2.7
GS08ATR	LWG2-T30-GS8A	0.53	3.1	0.16	0.2	0.93	0.11 U	1.7	6.62 T	0.0087 J	0.069 U	0.077
GS08ATR	LWG2-T30-GS8A-FILT	0.4	1.8	0.1	0.063	0.44	0.11 U	0.52	3.32 T	0.0021 U	0.0027 U	0.002 U
GS08DTR	LWG2-T30-GS8D	6.7	77	0.37	2.6	18	6.5	29	140 T	0.0086 J	0.21	0.11
GS08DTR	LWG2-T30-GS8D-FILT	5.4	45	0.21	0.96	9.6	3.5	12	76.7 T	0.0021 U	0.014 J	0.0063 J
KM08ATR	LWG2-T30-KM8A	0.0061 U	0.72	0.024 U	0.043 U	0.14	0.022 U	0.019 U	0.86 T	0.0057 U	0.019 U	0.013 U
KM08ATR	LWG2-T30-KM8A-Filt	0.0041 U	0.43	0.0097 J	0.02 U	0.07	0.017 U	0.01 U	0.51 JT	0.0027 U	0.0071 U	0.0063 U
R2AR01TR	LWG2-T30-R2AR1	0.0083 U	0.065	0.02 U	0.021 U	0.039 U	0.026 U	0.23 U	0.065 T	0.0086 J	0.025 J	0.031 U
R2AR01TR	LWG2-T30-R2AR1-FILT	0.0055 U	0.029 J	0.013 U	0.0042 J	0.014 J	0.015 U	0.054 U	0.0472 JT	0.0025 U	0.0033 U	0.0064 J

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Table C2-34. PAH Values Used in Total PAH Calculation

	CAS No	205-99-2	207-08-9	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd) pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**									
AR04BPR	LWG2-P-AR04B	0.0041 U	0.0028 U	0.0077 U	0.0047 J	0.051	0.0044 U	0.049	0.105 JT	1.53 JT
AR04BPR	LWG2-P-AR04B-2	0.0039 U	0.0027 U	0.0074 U	0.0025 U	0.036 J	0.0042 U	0.038 J	0.074 JT	1.32 JT
GS01BPR	LWG2-P-GSC1B	0.054	0.065	0.066	0.18	3.6	0.051	3.4	7.6 JT	300 JT
GS07DPR	LWG2-P-GSC7D	0.012 J	0.0071 J	0.014 J	0.053	2.1	0.0098 U	2.2	4.4 JT	49 JT
GS07DPR	LWG2-P-GSC7D-2	0.0038 U	0.0026 U	0.0071 U	0.049	2.6	0.004 U	2.7	5.4 T	61 T
KM10APR	LWG2-P-KM10A	0.0038 U	0.0026 U	0.009 J	0.0024 U	0.016 J	0.0072 J	0.023 J	0.0607 JT	0.105 JT
KM11BPR	LWG2-P-KM11B	0.0038 U	0.0026 U	0.0071 U	0.0024 U	0.053	0.004 U	0.039 J	0.092 JT	2.9 JT
KM11BPR	LWG2-P-KM11B-2	0.0039 U	0.0027 U	0.0073 U	0.0025 U	0.035 J	0.0041 U	0.033 J	0.068 JT	1.22 JT
KM06APR	LWG2-P-KM6A	0.0035 U	0.0024 U	0.0066 U	0.0023 U	0.013 J	0.0038 U	0.16	0.173 JT	0.235 JT
R2KM02PR	LWG2-P-R2KM2	0.0035 U	0.0024 U	0.0065 U	0.0022 U	0.02 J	0.0037 U	0.017 J	0.037 JT	0.156 JT
SL01EPR	LWG2-P-SLT1E	0.0037 U	0.0026 U	0.007 U	0.011 J	0.33	0.004 U	0.3	0.647 JT	24.4 JT
SL02CPR	LWG2-P-SLT2C	0.0035 U	0.0024 U	0.0065 U	0.0091 J	0.23	0.0037 U	0.25	0.495 JT	3.9 JT
SL02EPR	LWG2-P-SLT2E	0.0035 U	0.0024 U	0.0065 U	0.025 J	1.3	0.0037 U	1.4	2.75 JT	140 JT
SL03CPR	LWG2-P-SLT3C	0.0035 U	0.0024 U	0.0065 U	0.013 J	0.43	0.0037 U	0.5	0.95 JT	16.9 JT
SL03FPR	LWG2-P-SLT3F	0.0035 U	0.0024 U	0.0065 U	0.0049 J	0.11	0.0037 U	0.12	0.244 JT	29 JT
SL03FPR	LWG2-P-SLT3F-2	0.03 J	0.0024 U	0.017 J	0.023 J	0.29	0.0071 J	0.28	0.661 JT	91.3 JT
SL04FPR	LWG2-P-SLT4F	0.021 J	0.0025 U	0.0069 J	0.068	2.4	0.0046 J	2.4	4.96 JT	183 JT
W09CPR	LWG2-P-W09C	0.004 U	0.0028 U	0.0075 U	0.0026 U	0.034 J	0.0043 U	0.025 J	0.059 JT	2.03 JT
W04CPR	LWG2-P-W4C	0.0035 U	0.0024 U	0.0065 U	0.0022 U	0.03 J	0.0037 U	0.022 J	0.052 JT	0.381 JT
W04CPR	LWG2-P-W4C-2	0.0035 U	0.0024 U	0.0065 U	0.0022 U	0.031 J	0.0037 U	0.024 J	0.055 JT	0.356 JT
AR01ATR	LWG2-T30-AR1A	0.064 U	0.059 U	0.13	0.12 U	0.68 U	0.094	0.91	1.23 JT	4.75 JT
AR01ATR	LWG2-T30-AR1A-D	0.14	0.14	0.29	0.25 U	1	0.22	1.4	3.57 JT	8.18 JT
AR01ATR	LWG2-T30-AR1A-D-FILT	0.0028 U	0.002 U	0.0053 U	0.0025 U	0.071 U	0.003 U	0.076 U	0.076 UT	1.54 JT
AR01ATR	LWG2-T30-AR1A-FILT	0.003 U	0.0021 U	0.0056 U	0.003 U	0.073 U	0.0032 U	0.082	0.082 T	1.7 JT
AR02ATR	LWG2-T30-AR2A	0.033 U	0.037 U	0.061	0.048 U	0.12 U	0.04	0.16 U	0.106 JT	0.466 JT
AR02ATR	LWG2-T30-AR2A-FILT	0.0029 U	0.002 U	0.0055 U	0.0019 U	0.013 U	0.0032 U	0.012 U	0.013 UT	0.207 JT
EM01ATR	LWG2-T30-EM1A	0.015 U	0.012 U	0.018 U	0.026 U	0.12 U	0.014 U	0.18 U	0.18 UT	1.83 JT
EM01ATR	LWG2-T30-EM1A-Filt	0.0023 U	0.0016 U	0.0042 U	0.0015 U	0.013 U	0.0024 U	0.017 U	0.017 UT	0.977 JT
EM02ATR	LWG2-T30-EM2A	0.0025 U	0.0017 U	0.0046 U	0.0098 U	0.099 U	0.0026 U	0.17 U	0.0025 JT	0.0025 JT
EM02ATR	LWG2-T30-EM2A-Filt	0.0026 U	0.0018 U	0.0048 U	0.0017 U	0.018 U	0.0028 U	0.018 U	0.018 UT	0.215 JT
EM02CTR	LWG2-T30-EM2C	0.21	0.17	0.48	0.29	1.3	0.32	1.8	5.14 JT	7.93 JT
EM03ATR	LWG2-T30-EM3A	0.0045 U	0.0033 U	0.0048 U	0.013 U	0.11 U	0.0032 U	0.13 U	0.13 UT	0.57 T
EM03ATR	LWG2-T30-EM3A-D-Filt	0.0026 U	0.0018 U	0.0048 U	0.0075 J	1.3	0.0028 U	0.75	2.06 JT	14.4 JT
EM03ATR	LWG2-T30-EM3A-Filt	0.0022 U	0.0015 U	0.0041 U	0.0014 U	0.031 U	0.0023 U	0.035 U	0.035 UT	0.553 JT
EM04ATR	LWG2-T30-EM4A	0.012 U	0.012 U	0.012 U	0.071 U	1.1	0.008 U	1.2	2.3 T	11.5 T
EM04ATR	LWG2-T30-EM4A-Filt	0.087	0.02 J	0.0091 J	0.063	0.51	0.0097 J	0.51	1.22 JT	8.1 JT
EM04CTR	LWG2-T30-EM4C	0.23	0.24	0.18	0.55	1.7	0.16	1.7	5.22 JT	6.01 JT
EM05ATR	LWG2-T30-EM5A	0.084	0.096	0.13	0.23	2.3	0.091	2.4	5.64 JT	40.1 JT
EM05ATR	LWG2-T30-EM5A-Filt	0.0027 U	0.0019 U	0.005 U	0.0045 J	0.28	0.0029 U	0.25	0.535 JT	14.5 JT
EM06BTR	LWG2-T30-EM6B	0.027 U	0.021 U	0.02 U	0.086 U	0.65 U	0.014 U	0.66 U	0.66 UT	11.3 JT
EM06BTR	LWG2-T30-EM6B-Filt	0.0029 U	0.002 U	0.0054 U	0.0033 J	0.079	0.0031 U	0.072	0.154 JT	3.18 JT
EM08ATR	LWG2-T30-EM8A	0.0027 U	0.0019 U	0.0051 U	0.016 U	0.16 U	0.0029 U	0.39 U	0.39 UT	0.66 T
EM08ATR	LWG2-T30-EM8A-Filt	0.003 U	0.0021 U	0.0057 U	0.002 U	0.028 U	0.0032 U	0.064	0.064 T	0.646 JT
GS02ATR	LWG2-T30-GS2A	2.1	2	3.2	4.4	15	2.7	32	67.9 T	1310 T
GS02ATR	LWG2-T30-GS2A-D	0.93	0.85	1.1	2.5	14	0.93	26 J	49.4 JT	1190 JT
GS02ATR	LWG2-T30-GS2A-D-FILT	0.081	0.1	0.028	0.31	2.1	0.023 J	2.8	5.77 JT	1200 JT
GS02ATR	LWG2-T30-GS2A-FILT	0.063	0.071	0.021 J	0.24	2.1	0.019 J	2.7	5.46 JT	1200 JT
GS07BTR	LWG2-T30-GS7B	1.5	1.5	2.1	3.6	17	1.9	31	63.9 T	3490 T
GS08ATR	LWG2-T30-GS8A	0.053 U	0.045 U	0.066	0.12 U	0.78	0.052	0.87	1.85 JT	8.47 JT
GS08ATR	LWG2-T30-GS8A-FILT	0.0025 U	0.0017 U	0.0046 U	0.0016 U	0.13	0.0026 U	0.15	0.28 T	3.6 T
GS08DTR	LWG2-T30-GS8D	0.073	0.083	0.064	0.3 U	4.3	0.058	4.3 U	4.91 JT	145 JT
GS08DTR	LWG2-T30-GS8D-FILT	0.0042 J	0.004 J	0.0047 U	0.018 J	0.84	0.0027 U	0.83	1.72 JT	78.4 JT
KM08ATR	LWG2-T30-KM8A	0.013 U	0.0097 U	0.011 U	0.019 U	0.12 U	0.0075 U	0.42	0.42 T	1.28 T
KM08ATR	LWG2-T30-KM8A-Filt	0.0072 U	0.0059 U	0.0055 U	0.0081 U	0.031 U	0.0056 U	0.098 U	0.098 UT	0.51 JT
R2AR01TR	LWG2-T30-R2AR1	0.025 U	0.021 U	0.037	0.04 U	0.16 U	0.029	0.18 U	0.0996 JT	0.165 JT
R2AR01TR	LWG2-T30-R2AR1-FILT	0.003 U	0.0021 U	0.014 U	0.002 U	0.023 U	0.0098 U	0.022 U	0.0064 JT	0.0536 JT

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Table C2-34. PAH Values Used in Total PAH Calculations for Transition Zone Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a) anthracene	Benzo(a) pyrene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
R2AR02TR	LWG2-T30-R2AR2	0.007 U	0.14	0.018 U	0.0093 U	0.0038 U	0.033 U	0.094 U	0.14 T	0.0025 J	0.018 U	0.026 U
R2AR02TR	LWG2-T30-R2AR2-FILT	0.0049 U	0.096	0.012 U	0.0038 J	0.015 J	0.02 U	0.039 U	0.115 JT	0.0021 U	0.0027 U	0.002 U
R2AR03TR	LWG2-T30-R2AR3	0.012 U	0.88	0.04 U	0.032 U	0.65	0.78 J	0.053 U	2.31 JT	0.0033 J	0.024 U	0.02 U
R2AR03TR	LWG2-T30-R2AR3-FILT	0.012 U	1	0.081 U	0.016 J	0.74	1.1 U	0.21	1.97 JT	0.0023 U	0.003 U	0.0023 U
R2AR04TR	LWG2-T30-R2AR4	0.0056 U	0.52	0.0088 U	0.012 U	0.024 U	0.04 U	0.04 U	0.52 T	0.0022 U	0.0052 U	0.0021 U
R2AR04TR	LWG2-T30-R2AR4-FILT	0.0045 U	0.31	0.0026 U	0.0015 U	0.014 J	0.03 U	0.017 U	0.324 JT	0.0024 U	0.003 U	0.0023 U
R2EM01TR	LWG2-T30-R2EM1	0.017 U	13	0.16	0.26	5	0.12 U	14	32.4 T	0.015 J	0.23	0.21
R2EM01TR	LWG2-T30-R2EM1-D-Filt	0.0094 U	9.7	0.11	0.11	3.3	0.08 U	6.8	20 T	0.0021 U	0.014 J	0.002 U
R2EM01TR	LWG2-T30-R2EM1-Filt	0.0057 U	8.1	0.094	0.093	2.8	0.068 U	5.7	16.8 T	0.0019 U	0.011 J	0.0018 U
R2KM01TR	LWG2-T30-R2KM1	0.014 U	14 J	0.11	0.14	1.6	0.041 U	0.088 U	15.9 JT	0.013 U	0.069	0.029 U
R2KM01TR	LWG2-T30-R2KM1-D	0.016 U	16	0.12	0.13	1.8	0.057 U	0.098 U	18.1 T	0.0057 U	0.077	0.032 U
R2KM01TR	LWG2-T30-R2KM1-D-Filt	0.0075 U	9.2	0.069	0.056 U	0.81	0.031 U	0.023 U	10.1 T	0.0037 U	0.0075 U	0.0079 U
R2KM01TR	LWG2-T30-R2KM1-Filt	0.0057 U	9.8	0.068	0.0013 U	0.88	0.043 U	0.004 U	10.7 T	0.002 U	0.0026 U	0.002 U
R2W02TR	LWG2-T30-R2W2	0.029 U	0.14	0.022 U	0.036 U	0.14	0.1 U	0.14	0.42 T	0.0079 U	0.032 U	0.024 U
SL01ATR	LWG2-T30-SL1A	0.3	110	0.58	4.5	26	2.3	44	188 T	0.0033 U	0.2 U	0.062 U
SL01ATR	LWG2-T30-SL1A-FILT	0.15	64	0.36	1.1	12	0.88	14	92.5 T	0.0022 U	0.01 J	0.0022 U
SL02ATR	LWG2-T30-SL2A	0.012 U	3.6	0.055 U	0.061 U	0.72 U	0.47	0.69 U	4.07 T	0.0048 U	0.048 U	0.069
SL02ATR	LWG2-T30-SL2A-FILT	0.0089 U	1.8	0.022 J	0.012 U	0.29 U	0.9	0.2 U	2.72 JT	0.0022 U	0.0029 U	0.0022 U
SL03ATR	LWG2-T30-SL3A	0.021 U	63	0.24	0.55	24	0.091 U	12	99.8 T	0.0061 U	0.092 U	0.066
SL03ATR	LWG2-T30-SL3A-D	0.018 U	58	0.22	0.61	22	0.087 U	13	93.8 T	0.0049 U	0.065 U	0.035
SL03ATR	LWG2-T30-SL3A-D-FILT	0.01 U	33	0.12	0.22	11	0.054 U	5.1	49.4 T	0.0024 U	0.003 U	0.0023 U
SL03ATR	LWG2-T30-SL3A-FILT	0.01 U	30	0.12	0.18	10	0.054 U	4.8	45.1 T	0.0027 U	0.0035 U	0.0026 U
SL04ATR	LWG2-T30-SL4A	0.027 U	61	0.25	2.3	33	0.19 U	18	115 T	0.008 U	0.14 U	0.076
SL04ATR	LWG2-T30-SL4A-FILT	0.022 U	39	0.17	0.77	17	0.16 U	7	63.9 T	0.0024 U	0.003 U	0.0023 U
SL05ATR	LWG2-T30-SL5A	0.017 U	12	0.13	0.25 U	3.7	0.043 U	7.7	23.5 T	0.0022 U	0.056 U	0.024 J
SL05ATR	LWG2-T30-SL5A-FILT	0.011 U	7	0.085	0.072	1.9	0.037 U	2.9	12 T	0.0025 U	0.0032 U	0.0024 U
W12ATR	LWG2-T30-W12A	0.0093 U	0.13	0.0052 U	0.03	0.017 U	0.078 U	0.16	0.32 T	0.0055 U	0.012 U	0.0068 U
W12ATR	LWG2-T30-W12A-D	0.0095 U	0.12	0.01 U	0.043 U	0.019 U	0.081 U	0.14	0.26 T	0.0041 U	0.014 U	0.0083 U
W12ATR	LWG2-T30-W12A-D-Filt	0.008 U	0.11	0.015 U	0.02 U	0.015 U	0.061 U	0.09	0.2 T	0.0055 U	0.016 U	0.0097 U
W12ATR	LWG2-T30-W12A-Filt	0.0083 U	0.1	0.0039 U	0.02 U	0.016 U	0.062 U	0.084	0.184 T	0.0051 U	0.017 U	0.011 U
W06ATR	LWG2-T30-W6A	0.0036 U	0.0035 U	0.0072 U	0.0079 U	0.0046 U	0.0069 U	0.019 U	0.019 UT	0.0042 U	0.011 U	0.0088 U
W06ATR	LWG2-T30-W6A-Filt	0.0048 U	0.0024 U	0.0067 U	0.0063 U	0.0031 U	0.042 U	0.0096 U	0.042 UT	0.0033 U	0.0064 U	0.0061 U
W07CTR	LWG2-T30-W7C	0.0036 U	0.0034 U	0.0072 U	0.0087 U	0.0041 U	0.0089 U	0.021 U	0.021 UT	0.0039 U	0.015 U	0.0099 U
W07CTR	LWG2-T30-W7C-Filt	0.007 U	0.0031 U	0.0078 U	0.0074 U	0.0036 U	0.073 U	0.0099 U	0.073 UT	0.0028 U	0.006 U	0.0066 U
W09ATR	LWG2-T30-W9A	0.0036 U	0.0039 U	0.007 U	0.0084 U	0.0044 U	0.0063 U	0.016 U	0.016 UT	0.0049 U	0.011 U	0.0061 U
W09ATR	LWG2-T30-W9A-Filt	0.0062 U	0.0031 J	0.0022 U	0.0074 U	0.0032 U	0.049 U	0.012 U	0.0031 JT	0.0028 U	0.0055 U	0.0056 U
AR01ATR	LWG2-T90-AR1A	0.037 U	0.75	0.071	0.066	0.27	0.29 U	1.9	3.06 T	0.013 J	0.16	0.17
AR01ATR	LWG2-T90-AR1A-FILT	0.011 U	0.3	0.026 U	0.0093 J	0.078	0.18 U	0.39	0.777 JT	0.0037 J	0.0035 J	0.0023 U
EM01ATR	LWG2-T90-EM1A	0.053 U	1.4	0.43 U	0.11 J	3	0.61 J	0.084 U	5.12 JT	0.0023 U	0.039 U	0.0048 U
EM03ATR	LWG2-T90-EM3A	0.32	5.8	0.11	0.37 J	4.1	0.041 U	12	22.7 JT	0.0022 U	0.017 U	0.0047 U
EM03ATR	LWG2-T90-EM3A-D	0.29	4.9	0.098	0.35 J	3.4	0.035 U	11	20 JT	0.0021 U	0.013 U	0.0052 U
EM03ATR	LWG2-T90-EM3A-Filt	0.18	3.4	0.064	0.26 J	2.3	0.035 U	7.3	13.5 JT	0.0022 U	0.0076 J	0.0021 U
EM04CTR	LWG2-T90-EM4C	39	77	0.27	0.72 J	21	6.6	17	162 JT	0.014 J	0.21 J	0.15 J
GS08DTR	LWG2-T90-GS8D	9.5	130	1.4	15	41	14	110	321 T	0.23	4.8	4.4
R2AR02TR	LWG2-T90-R2AR2	0.0097 U	0.67	0.036 U	0.024 U	0.031 U	0.16 U	0.39 U	0.67 T	0.0022 U	0.017 U	0.012 U
R2AR02TR	LWG2-T90-R2AR2-D	0.0077 U	0.61	0.01 U	0.022 U	0.019 U	0.19 U	0.36 U	0.61 T	0.0025 U	0.0081 U	0.0062 U
R2AR02TR	LWG2-T90-R2AR2-D-FILT	0.0064 U	0.34 U	0.025 J	0.0019 U	0.017 J	0.076 U	0.14	0.182 JT	0.0029 U	0.0038 U	0.0029 U
R2AR02TR	LWG2-T90-R2AR2-FILT	0.004 U	0.3	0.02 U	0.0015 U	0.0038 U	0.063 U	0.11 U	0.3 T	0.0024 U	0.0031 U	0.0023 U
SL03FTR	LWG2-T90-SL3F	0.044 U	2.2	0.041 U	0.093 U	0.11 U	0.31	0.24 U	2.51 T	0.0034 U	0.042	0.039 J
SL04ATR	LWG2-T90-SL4A	5.1	51	0.76 U	9.8	23	32	65	186 T	0.16	3.2	2.3
ARC02B	LWP1-T-ARCO2Bfilt	0.047 U	0.09 U	0.0071 U	0.0069 J	0.0071 U	0.14 U	0.014 U	0.0069 JT	0.0066 U	0.004 U	0.0041 U
ARC02B	LWP1-T-ARCO2Bunfilt	0.036 U	0.38	0.018 U	0.014	0.02 U	0.13 U	0.052 U	0.394 T	0.0066 U	0.024	0.045
ARC03B	LWP1-T-ARCO3Bfilt	0.031 U	0.33	0.0099 U	0.01	0.05	0.15 U	0.13	0.52 T	0.0066 U	0.004 U	0.0041 U
ARC03B	LWP1-T-ARCO3Bunfilt	0.043 U	0.91	0.029 U	0.026	0.12	0.22 U	0.19	1.25 T	0.0085	0.054	0.07
ARC06B-1	LWP1-T-ARCO6BDup	0.069 U	0.51	0.015 U	0.0093	0.031 U	0.34 U	0.23	0.749 T	0.0066 U	0.0072	0.01
ARC06B-1	LWP1-T-ARCO6BDupfilt	0.032 U	0.2	0.0081 U	0.0048 J	0.012 U	0.15 U	0.059 U	0.205 JT	0.0066 U	0.004 U	0.0041 U

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Table C2-34. PAH Values Used in Total PAH Calculation

	CAS No	205-99-2	207-08-9	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd) pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**									
R2AR02TR	LWG2-T30-R2AR2	0.017 U	0.015 U	0.039	0.021 U	0.087 U	0.026 J	0.13 U	0.0675 JT	0.208 JT
R2AR02TR	LWG2-T30-R2AR2-FILT	0.0025 U	0.0017 U	0.0046 U	0.0016 U	0.018 U	0.0026 U	0.022 U	0.022 UT	0.115 JT
R2AR03TR	LWG2-T30-R2AR3	0.017 U	0.015 U	0.02 U	0.037 U	0.17 U	0.016 U	0.28 U	0.0033 JT	2.31 JT
R2AR03TR	LWG2-T30-R2AR3-FILT	0.0028 U	0.0019 U	0.0052 U	0.0018 U	0.025 U	0.003 U	0.023 U	0.025 UT	1.97 JT
R2AR04TR	LWG2-T30-R2AR4	0.0026 U	0.0018 U	0.0048 U	0.0077 U	0.027 U	0.0028 U	0.17 U	0.17 UT	0.52 T
R2AR04TR	LWG2-T30-R2AR4-FILT	0.0028 U	0.002 U	0.0053 U	0.0018 U	0.0069 U	0.003 U	0.032 U	0.032 UT	0.324 JT
R2EM01TR	LWG2-T30-R2EM1	0.12	0.12	0.21	0.31	3.5	0.14	3.9	8.76 JT	41.2 JT
R2EM01TR	LWG2-T30-R2EM1-D-Filt	0.0025 U	0.0017 U	0.0047 U	0.02 J	1	0.0027 U	1.1	2.13 JT	22.2 JT
R2EM01TR	LWG2-T30-R2EM1-Filt	0.0022 U	0.0016 U	0.0042 U	0.016 J	0.8	0.0024 U	0.9	1.73 JT	18.5 JT
R2KM01TR	LWG2-T30-R2KM1	0.029 U	0.021 U	0.025 U	0.1	0.67	0.016 U	1.9	2.74 T	18.6 JT
R2KM01TR	LWG2-T30-R2KM1-D	0.025 U	0.025 U	0.021 U	0.11	0.7	0.015 U	2.1	2.99 T	21 T
R2KM01TR	LWG2-T30-R2KM1-D-Filt	0.0075 U	0.0064 U	0.0065 U	0.0097 U	0.1	0.0055 U	0.27	0.37 T	10.4 T
R2KM01TR	LWG2-T30-R2KM1-Filt	0.0024 U	0.0017 U	0.0045 U	0.0016 U	0.11	0.0026 U	0.31	0.42 T	11.2 T
R2W02TR	LWG2-T30-R2W2	0.029 U	0.022 U	0.024 U	0.044 U	0.12 U	0.017 U	0.16 U	0.16 UT	0.42 T
SL01ATR	LWG2-T30-SL1A	0.04 U	0.046 U	0.03 J	0.31	5.9	0.023 J	6.1	12.4 JT	200 JT
SL01ATR	LWG2-T30-SL1A-FILT	0.0026 U	0.0018 U	0.005 U	0.015 J	1	0.0028 U	1	2.03 JT	94.5 JT
SL02ATR	LWG2-T30-SL2A	0.047 U	0.045 U	0.079	0.078	0.36 U	0.054	0.42 U	0.28 T	4.35 T
SL02ATR	LWG2-T30-SL2A-FILT	0.0027 U	0.0019 U	0.005 U	0.0017 U	0.031 U	0.0029 U	0.031 U	0.031 UT	2.72 JT
SL03ATR	LWG2-T30-SL3A	0.046 U	0.042 U	0.057	0.14 U	2.8	0.037	2.1	5.06 T	105 T
SL03ATR	LWG2-T30-SL3A-D	0.024 U	0.022 U	0.03	0.09 U	3.5	0.023 J	2.5	6.09 JT	99.9 JT
SL03ATR	LWG2-T30-SL3A-D-FILT	0.0028 U	0.002 U	0.0053 U	0.0037 U	0.64	0.003 U	0.46	1.1 T	50.5 T
SL03ATR	LWG2-T30-SL3A-FILT	0.0032 U	0.0022 U	0.0061 U	0.0033 U	0.56	0.0035 U	0.44	1 T	46.1 T
SL04ATR	LWG2-T30-SL4A	0.053 U	0.051 U	0.058	0.17 U	4	0.043	2.9	7.08 T	122 T
SL04ATR	LWG2-T30-SL4A-FILT	0.0028 U	0.002 U	0.0053 U	0.0035 U	0.88	0.003 U	0.61	1.49 T	65.4 T
SL05ATR	LWG2-T30-SL5A	0.02 U	0.015 U	0.021 J	0.091 U	1.7 U	0.015 J	1.8 U	0.06 JT	23.6 JT
SL05ATR	LWG2-T30-SL5A-FILT	0.003 U	0.0021 U	0.0056 U	0.0039 U	0.37 U	0.0032 U	0.38 U	0.38 UT	12 T
W12ATR	LWG2-T30-W12A	0.0093 U	0.007 U	0.0089 U	0.013 U	0.046 U	0.0065 U	0.059	0.059 T	0.379 T
W12ATR	LWG2-T30-W12A-D	0.01 U	0.0077 U	0.0083 U	0.012 U	0.026 U	0.0072 U	0.055	0.055 T	0.315 T
W12ATR	LWG2-T30-W12A-D-Filt	0.009 U	0.011 U	0.01 U	0.013 U	0.024 U	0.0083 U	0.031 U	0.031 UT	0.2 T
W12ATR	LWG2-T30-W12A-Filt	0.011 U	0.014 U	0.01 U	0.014 U	0.021 U	0.0063 U	0.03 U	0.03 UT	0.184 T
W06ATR	LWG2-T30-W6A	0.011 U	0.0065 U	0.0099 U	0.013 U	0.034 U	0.0069 U	0.036 U	0.036 UT	0.036 UT
W06ATR	LWG2-T30-W6A-Filt	0.0066 U	0.0056 U	0.0061 U	0.007 U	0.011 U	0.0051 U	0.0099 U	0.011 UT	0.042 UT
W07CTR	LWG2-T30-W7C	0.01 U	0.0096 U	0.011 U	0.017 U	0.038 U	0.0076 U	0.043 U	0.043 UT	0.043 UT
W07CTR	LWG2-T30-W7C-Filt	0.0058 U	0.0074 U	0.0052 U	0.0081 U	0.012 U	0.0044 U	0.011 U	0.012 UT	0.073 UT
W09ATR	LWG2-T30-W9A	0.0066 U	0.0076 U	0.008 U	0.012 U	0.029 U	0.0072 U	0.037 U	0.037 UT	0.037 UT
W09ATR	LWG2-T30-W9A-Filt	0.0063 U	0.005 U	0.0046 U	0.0076 U	0.013 U	0.004 U	0.012 U	0.013 UT	0.0031 JT
AR01ATR	LWG2-T90-AR1A	0.11	0.11	0.2	0.27 U	1.2	0.13	1.9	3.99 JT	7.05 JT
AR01ATR	LWG2-T90-AR1A-FILT	0.0028 U	0.0019 U	0.0052 U	0.0069 U	0.12	0.003 U	0.18	0.307 JT	1.08 JT
EM01ATR	LWG2-T90-EM1A	0.0044 U	0.0049 U	0.0052 U	0.037 U	0.23 U	0.003 U	0.26 U	0.26 UT	5.12 JT
EM03ATR	LWG2-T90-EM3A	0.0051 U	0.0042 U	0.0049 U	0.021 U	1.8	0.0033 U	1	2.8 T	25.5 JT
EM03ATR	LWG2-T90-EM3A-D	0.005 U	0.0048 U	0.0049 U	0.023 U	1.7	0.0032 U	0.97	2.67 T	22.7 JT
EM03ATR	LWG2-T90-EM3A-Filt	0.0026 U	0.0018 U	0.0048 U	0.01 J	1.4	0.0028 U	0.84	2.26 JT	15.8 JT
EM04CTR	LWG2-T90-EM4C	0.097	0.088	0.14	0.32	2.7	0.11	2.4	6.23 JT	168 JT
GS08DTR	LWG2-T90-GS8D	2.6	2.3	3.1	8	33	2.7	48	109 T	430 T
R2AR02TR	LWG2-T90-R2AR2	0.0082 U	0.0074 U	0.014 U	0.026 U	0.22 U	0.0098 U	0.32 U	0.32 UT	0.67 T
R2AR02TR	LWG2-T90-R2AR2-D	0.003 U	0.0021 U	0.0057 U	0.015 U	0.18 U	0.0032 U	0.25 U	0.25 UT	0.61 T
R2AR02TR	LWG2-T90-R2AR2-D-FILT	0.0035 U	0.0024 U	0.0066 U	0.0023 U	0.043 U	0.0038 U	0.053 U	0.053 UT	0.182 JT
R2AR02TR	LWG2-T90-R2AR2-FILT	0.0029 U	0.002 U	0.0054 U	0.0018 U	0.035 U	0.0031 U	0.042 U	0.042 UT	0.3 T
SL03FTR	LWG2-T90-SL3F	0.03 U	0.025 U	0.037 J	0.073 U	0.2 U	0.026 J	0.24 U	0.144 JT	2.65 JT
SL04ATR	LWG2-T90-SL4A	1.5	1.5	1.5	3.9	21	1.3	21	57.4 T	243 T
ARC02B	LWP1-T-ARCO2Bfilt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.0042 U	0.0038 U	0.0071 U	0.0071 UT	0.0069 JT
ARC02B	LWP1-T-ARCO2Bunfilt	0.048	0.015	0.064	0.035	0.12	0.053	0.16	0.564 T	0.958 T
ARC03B	LWP1-T-ARCO3Bfilt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.024 U	0.0038 U	0.027 U	0.027 UT	0.52 T
ARC03B	LWP1-T-ARCO3Bunfilt	0.071	0.025	0.075	0.07	0.34	0.067	0.39	1.17 T	2.42 T
ARC06B-1	LWP1-T-ARCO6BDup	0.0091	0.0041 U	0.015	0.0099	0.12	0.011	0.15	0.332 T	1.08 T
ARC06B-1	LWP1-T-ARCO6BDupfilt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.014 U	0.0038 U	0.016 U	0.016 UT	0.205 JT

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Table C2-34. PAH Values Used in Total PAH Calculations for Transition Zone Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a) anthracene	Benzo(a) pyrene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
ARC06B-1	LWP1-T-ARCO6Bfilt	0.09 U	0.3	0.023 U	0.0057 J	0.016 U	0.31 U	0.073 U	0.306 JT	0.0066 U	0.004 U	0.0041 U
ARC06B-1	LWP1-T-ARCO6Bunfilt	0.071 U	0.63	0.021 U	0.013	0.027 U	0.45 U	0.21	0.853 T	0.0066 U	0.0094	0.014
ARC02B	LWP-TZW3AR02B2	0.053 U	2.2	0.042 J	0.026 J	0.28	0.078	0.25	2.88 JT	0.018 U	0.011 J	0.011 U
ARC03B	LWP-TZW3AR03B	0.058 U	10	0.15	0.2	3.8	0.056 J	5.3	19.5 JT	0.019 U	0.035 J	0.012 U
ARC06B-1	LWP-TZW3AR06B-1	0.058 U	9.4	0.17	0.11	1.7	0.076	0.012 J	11.5 JT	0.019 U	0.025 J	0.012 U
ARC06B-2	LWP-TZW3AR06B-2	0.058 U	8.8	0.11	0.14	2.1	0.21	0.025 J	11.4 JT	0.019 U	0.024 J	0.012 U
ARC02B	LWP-TZW71-AR02B	0.004 U	1	0.058 U	0.05	0.051	0.19 U	0.58	1.68 T	0.0066 U	0.016 J	0.014 J
ARC02B	LWP-TZW71-AR02B-Filt	0.02 U	0.56	0.033 U	0.022	0.032	0.12 U	0.18	0.794 T	0.0066 U	0.004 U	0.0041 U
ARC03B	LWP-TZW71-AR03B	0.021 U	0.69	0.088	0.11	0.22	0.054 U	2.2	3.31 T	0.073	0.58	0.82
ARC03B	LWP-TZW71-AR03B-Filt	0.02 U	0.24	0.0035 J	0.0039 U	0.041	0.03 U	0.11	0.395 JT	0.0066 U	0.0041 J	0.0053 U
ARC06B-1	LWP-TZW71-AR06B-1	0.02 U	1.1	0.027	0.036	0.17	0.05 U	1.3	2.63 T	0.0095 J	0.082	0.12
ARC06B-1	LWP-TZW71-AR06B-1-Filt	0.02 U	1.6	0.027	0.027	0.4	0.044 U	1.1	3.15 T	0.0066 U	0.004 U	0.0041 U
ARC06B-2	LWP-TZW71-AR06B-2	0.02 U	4.7	0.069 U	0.22	2	0.046 U	7.2	14.1 T	0.0066 U	0.088	0.064
ARC06B-2	LWP-TZW71-AR06B-2-Filt	0.02 U	1.2	0.018 J	0.016 J	0.26	0.042 U	0.47	1.96 JT	0.0066 U	0.0056 J	0.005 J
ARC02B	LWP-TZW72-AR02B	0.02 U	0.65	0.039 U	0.025	0.04	0.12 U	0.42	1.14 T	0.0066 U	0.015 J	0.0099 J
ARC02B	LWP-TZW72-AR02B-Filt	0.02 U	0.56	0.031 U	0.02 J	0.028	0.12 U	0.19	0.798 JT	0.0066 U	0.004 U	0.0041 U
ARC03B	LWP-TZW72-AR03B	0.021 U	0.39	0.016 J	0.019 J	0.046	0.022 U	0.5	0.971 JT	0.0068 U	0.038	0.045
ARC03B	LWP-TZW72-AR03B-Filt	0.02 U	0.17	0.0056 J	0.0052 J	0.015 J	0.02 U	0.036	0.232 JT	0.0066 U	0.004 U	0.0043 J
ARC06B-1	LWP-TZW72-AR06B-1	0.02 U	0.19	0.032	0.058	0.14	0.028 U	0.73	1.15 T	0.023	0.18	0.26
ARC06B-1	LWP-TZW72-AR06B-1-Filt	0.02 U	0.043	0.0039 J	0.0065 J	0.02	0.02 U	0.058	0.131 JT	0.0066 U	0.0044 J	0.005 J
GP4	WLCSLH01GP4W68	0.16	0.05	0.02 U	0.025	0.02 U	0.2	0.13	0.565 T	0.02 U	0.03	0.032
GP4	WLCSLH01GP4W98	0.04	0.036	0.02 U	0.02 U	0.02 U	0.4	0.027	0.503 T	0.02 U	0.02 U	0.02 U
GP55	WLCSLH01GP55W1		16.6	0.19	3.12	8.6	0.229	14.1	42.8 JT	0.0476 U	0.495	0.343
GP5	WLCSLH01GP5W68	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UT	0.02 U	0.02 U	0.02 U
GP5	WLCSLH01GP5W95	0.02 U	0.21	0.02 U	0.02 U	0.02 U	0.14	0.02 U	0.35 T	0.02 U	0.02 U	0.02 U
GP61	WLCSLH01GP61W1		26.4 T	0.0774 T	0.479 T	7.07 T	0.0677 T	3.13 T	37.2 JT	0.0483 UT	0.0774 T	0.0484 T
GP62	WLCSLH01GP62W1		61.4	0.372	9.33	36.6	1.85	64.7	174 JT	0.0686	1.91	0.881
GP63	WLCSLH01GP63W1		3.29	0.067	1.99	1.17	20	3.17	29.7 JT	0.0479 U	0.182	0.067
GP64	WLCSLH01GP64W1		172	0.807	12.5	50.2	12200	93.9	12500 JT	0.327	3.68	3.57
GP68	WLCSLH01GP68W1		174	6.72	32.2	65.8	12300	200	12800 JT	2.18	21.7	24.2
GP69	WLCSLH01GP69W1		262	2.08	31.2	71.3	11400	182	11900 JT	1.54	12.5	15.2
GP6	WLCSLH01GP6W74	0.023	0.049	0.02 U	0.064	0.028	0.2	0.2	0.564 T	0.02 U	0.07	0.073
GP6	WLCSLH01GP6W98	0.13	0.45	0.045	0.25	0.2	0.33	1.2	2.61 T	0.02 U	0.17	0.16
GP70	WLCSLH01GP70W1		85.1	1.87	25.5	29.6	4820	120	5080 JT	1.35	10.9	13.5
GP73	WLCSLH01GP73W1		399	4.44	63.8	108	13700	362	14600 JT	3.71	32.3	37.8
GP75	WLCSLH01GP75W1		16.6	0.22	2.89	5.59	53.9	16.8	96 JT	0.14	1.21	1.17
GP76	WLCSLH01GP76W1		4.27	0.13	1.57	1.69	42.7	9.8	60.2 JT	0.1	0.84	0.81
GP7	WLCSLH01GP7W78	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.036 U	0.03	0.03 T	0.02 U	0.02 U	0.02 U
GP7	WLCSLH01GP7W98	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UT	0.02 U	0.02 U	0.02 U
GP81	WLCSLH01GP81W1		123	1.31	14	30.9	8480 T	85.5	8730 JT	0.48	3.82	4.59
GP82	WLCSLH01GP82W1		111	1.74	8.12	33	3890	63.5	4110 JT	0.327	2.59	3.09
P-1A	WLCSLH01P1A26	3.5	4.05 J	0.1 U	0.51 J	1.21 J	89.6	2.21 J	101 JT	0.1 U	0.1 U	0.1 U
P-1A	WLCSLH01P1A56	2 U	0.11	0.1 U	0.11	0.1 U	0.35	0.35	0.92 T	0.1 U	0.1 U	0.1 U
P-2	WLCSLH01P230	2 U	2 U	2 U	2 U	2 U	2.6	2 U	2.6 T	2 U	2 U	2 U
P-2	WLCSLH01P256	2 U	52.1	2 U	2.9	16.4	2 U	12	83.4 T	2 U	2 U	2 U
P-2	WLCSLH01P298	5.8	8.1	2 U	2.8	3.6	5.8	20	46.1 T	2 U	2 U	2 U
P-3	WLCSLH01P330	82.8	62	2 U	19.1	43	933	88.3	1230 T	2 U	4.2	4.23
P-3	WLCSLH01P357	2 U	3.41	2 U	2 U	2 U	53.7	8.69	65.8 T	2 U	2 U	2 U
P-3	WLCSLH01P398	3.21	7.56	2 U	2.94	3.95	12	22.8	52.5 T	2 U	2 U	2 U
P-4	WLCSLH01P430	2 U	40.4	2 U	4.18	11.9	2.99	24.6	84.1 T	2 U	2 U	2 U
P-4	WLCSLH01P452	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U
P-5	WLCSLH01P531	2 U	6.62	2 U	2 U	3.58	2 U	8.16	18.4 T	2 U	2 U	2 U
P-5	WLCSLH01P554	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U
P-5	WLCSLH01P598	4.55	4.69	2 U	2.14	2.99	19.4	14.5	48.3 T	2 U	2 U	2 U
P-6	WLCSLH01P634		0.47	0.1 U	0.1 U	0.18	0.91	0.65	2.21 JT	0.1 U	0.1 U	0.1 U
P-6	WLCSLH01P648		0.1 U	0.1 U	0.1 U	0.1 U	0.15	0.16	0.31 JT	0.1 U	0.1 U	0.1 U

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Table C2-34. PAH Values Used in Total PAH Calculation

	CAS No	205-99-2	207-08-9	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd) pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**									
ARC06B-1	LWP1-T-ARCO6Bfilt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.012 U	0.0038 U	0.015 U	0.015 UT	0.306 JT
ARC06B-1	LWP1-T-ARCO6Bunfilt	0.013	0.0041 U	0.02	0.015	0.12	0.015	0.16	0.366 T	1.22 T
ARC02B	LWP-TZW3AR02B2	0.013 U	0.011 U	0.011 U	0.0095 U	0.24	0.01 U	0.27	0.521 JT	3.4 JT
ARC03B	LWP-TZW3AR03B	0.014 U	0.012 U	0.012 U	0.037 J	2.4	0.011 U	2.3	4.77 JT	24.3 JT
ARC06B-1	LWP-TZW3AR06B-1	0.014 U	0.012 U	0.012 U	0.024 J	0.82	0.011 U	0.78	1.65 JT	13.1 JT
ARC06B-2	LWP-TZW3AR06B-2	0.014 U	0.012 U	0.012 U	0.019 J	0.85	0.011 U	0.86	1.75 JT	13.1 JT
ARC02B	LWP-TZW71-AR02B	0.015 J	0.0045 J	0.017 J	0.021	0.056	0.013 J	0.23	0.387 JT	2.07 JT
ARC02B	LWP-TZW71-AR02B-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.0059 J	0.0038 U	0.025	0.0309 JT	0.825 JT
ARC03B	LWP-TZW71-AR03B	0.78	0.25	0.72	0.74	2.6	0.65	3.7	10.9 T	14.2 T
ARC03B	LWP-TZW71-AR03B-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.0097 J	0.0038 U	0.012 J	0.0258 JT	0.42 JT
ARC06B-1	LWP-TZW71-AR06B-1	0.11	0.036	0.13	0.11	0.69	0.1	0.93	2.32 JT	4.95 JT
ARC06B-1	LWP-TZW71-AR06B-1-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.039	0.0038 U	0.049	0.088 T	3.24 T
ARC06B-2	LWP-TZW71-AR06B-2	0.058	0.021	0.043	0.12	1.3	0.039	1.5	3.23 T	17.4 T
ARC06B-2	LWP-TZW71-AR06B-2-Filt	0.0048 U	0.0041 U	0.0041 U	0.0044 J	0.017 J	0.0038 U	0.02	0.052 JT	2.02 JT
ARC02B	LWP-TZW72-AR02B	0.0087 J	0.0041 U	0.009 J	0.018 J	0.17	0.0074 J	0.29	0.528 JT	1.66 JT
ARC02B	LWP-TZW72-AR02B-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.011 J	0.0038 U	0.031	0.042 JT	0.84 JT
ARC03B	LWP-TZW72-AR03B	0.04	0.013 J	0.051	0.051	0.42	0.04	0.66	1.36 JT	2.33 JT
ARC03B	LWP-TZW72-AR03B-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.0063 J	0.0038 U	0.012 J	0.0226 JT	0.254 JT
ARC06B-1	LWP-TZW72-AR06B-1	0.25	0.083	0.26	0.24	0.46	0.22	1.2	3.18 T	4.33 T
ARC06B-1	LWP-TZW72-AR06B-1-Filt	0.0048 U	0.0041 U	0.0041 U	0.0036 U	0.0055 J	0.0038 U	0.015 J	0.0299 JT	0.161 JT
GP4	WLCSLH01GP4W68	0.024	0.02 U	0.023	0.034	0.098	0.023	0.11	0.374 T	0.939 T
GP4	WLCSLH01GP4W98	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UT	0.503 T
GP55	WLCSLH01GP55W1	0.286	0.124	0.2	0.562	5.28	0.133	5.43	12.9 T	55.7 JT
GP5	WLCSLH01GP5W68	0.02 U	0.02 U	0.02 U	0.02 U	0.026	0.02 U	0.033	0.059 T	0.059 T
GP5	WLCSLH01GP5W95	0.02 U	0.02 U	0.02 U	0.02 U	0.039	0.02 U	0.043	0.082 T	0.432 T
GP61	WLCSLH01GP61W1	0.0484 T	0.0483 UT	0.0483 UT	0.097 T	0.769 T	0.0483 UT	0.672 T	1.71 T	38.91 JT
GP62	WLCSLH01GP62W1	0.901	0.255	0.362	1.22	11.8	0.274	12.8	30.5 T	204.5 JT
GP63	WLCSLH01GP63W1	0.0766	0.0479 U	0.0479 U	0.249	0.92	0.0479 U	0.91	2.4 T	32.1 JT
GP64	WLCSLH01GP64W1	3.11	0.836	2.24	2.9	15.9	1.62	19	53.2 T	12553.2 JT
GP68	WLCSLH01GP68W1	22.5	5.2	15	15.5	76.7	10.7	92.1	286 T	13086 JT
GP69	WLCSLH01GP69W1	12.9	4.29	11.2	14.9	50.5	7.72	68.7	199 T	12099 JT
GP6	WLCSLH01GP6W74	0.047	0.051	0.05	0.08	0.19	0.044	0.24	0.845 T	1.409 T
GP6	WLCSLH01GP6W98	0.094	0.089	0.11	0.2	0.73	0.1	0.85	2.5 T	5.11 T
GP70	WLCSLH01GP70W1	11.8	3.64	9.76	12.9	43.6	6.76	61	175 T	5255 JT
GP73	WLCSLH01GP73W1	33.3	9	28.8	34.5	106	16.9	148	450 T	15050 JT
GP75	WLCSLH01GP75W1	1.07	0.33	0.86	1.34	4.79	0.62	6.41	17.9 T	113.9 JT
GP76	WLCSLH01GP76W1	0.68	0.26	0.7	1.08	3.76	0.46	6.31	15 T	75.2 JT
GP7	WLCSLH01GP7W78	0.02 U	0.02 U	0.02 U	0.023	0.05	0.02 U	0.056	0.129 T	0.159 T
GP7	WLCSLH01GP7W98	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UT	0.02 UT
GP81	WLCSLH01GP81W1	3.97	1.23	4.05	4.4	18.8	2.71	22.1	66.2 T	8796.2 JT
GP82	WLCSLH01GP82W1	2.76	0.826	2.5	2.6	11.7	1.66	16.2	44.3 T	4154.3 JT
P-1A	WLCSLH01P1A26	0.1 U	0.1 U	0.1 U	0.1 U	0.53 J	0.1 U	0.76 J	1.29 JT	102.29 JT
P-1A	WLCSLH01P1A56	0.1 U	0.1 U	0.1 U	0.1 U	0.12	0.1 U	0.14	0.26 T	1.18 T
P-2	WLCSLH01P230	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2.6 T
P-2	WLCSLH01P256	2 U	2 U	2 U	2 U	4.7	2 U	5.2	9.9 T	93.3 T
P-2	WLCSLH01P298	2 U	2 U	2 U	2 U	5.7	2 U	5.6	11.3 T	57.4 T
P-3	WLCSLH01P330	2.12	2 U	2.51	5.34	26.8	2 U	28	73.2 T	1303.2 T
P-3	WLCSLH01P357	2 U	2 U	2 U	2 U	2.48	2 U	2.45	4.93 T	70.73 T
P-3	WLCSLH01P398	2 U	2 U	2 U	2 U	5.55	2 U	5.41	11 T	63.5 T
P-4	WLCSLH01P430	2 U	2 U	2 U	2 U	8.16	2 U	9.61	17.8 T	101.9 T
P-4	WLCSLH01P452	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 UT
P-5	WLCSLH01P531	2 U	2 U	2 U	2 U	3.32	2 U	3.29	6.61 T	25.01 T
P-5	WLCSLH01P554	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 UT
P-5	WLCSLH01P598	2 U	2 U	2 U	2 U	3.04	2 U	3.12	6.16 T	54.46 T
P-6	WLCSLH01P634	0.1 U	0.1 U	0.1 U	0.1 U	0.29	0.1 U	0.27	0.56 T	2.77 JT
P-6	WLCSLH01P648	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.31 JT

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Table C2-34. PAH Values Used in Total PAH Calculations for Transition Zone Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a) anthracene	Benzo(a) pyrene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
P-7	WLCSLH01P7	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U
P-8	WLCSLH01P830	2 U	9.4	2 U	2 U	3.1	2 U	8.5	21 T	2 U	2 U	2 U
P-8	WLCSLH01P852	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U
P-8	WLCSLH01P882	2 U	2 U	2 U	2 U	2 U	2 U	2.1	2.1 T	2 U	2 U	2 U
P-9	WLCSLH01P9	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 U	2 U	2 U
WS-11-125	WLCSLH01WS11125_0404	1260	436	81.5	257	304	6520	1510	10400 T	11.7	147	144
WS-11-125	WLCSLH01WS11125_1104	122	53	22.1	20.1	24.9	2680	80.5	3000 T	1.14	10	9.62
WS-11-161	WLCSLH01WS11161_0404	1 U	0.253	0.0707	0.0707	0.131	1.24	0.424	2.19 T	0.0505 U	0.0808	0.131
WS-11-161	WLCSLH01WS11161_1104	0.987 U	0.049	0.049 U	0.0784	0.049 U	1.85	0.0784	2.06 T	0.049 U	0.049 U	0.049 U
WS-12-125	WLCSLH01WS12125_1104	1.01 U	0.166	0.0488 U	0.0488 U	0.0684	0.0684	0.0879	0.391 T	0.0488 U	0.0488 U	0.0488 U
WS-12-125	WLCSLH01WS12125_4042	1.02 U	0.929	0.05 U	0.13	0.4	0.519	0.559	2.54 T	0.05 U	0.05 U	0.05 U
WS-12-161	WLCSLH01WS12161_1104	0.952 U	0.0493 U	0.0493 U	0.0493 U	0.0493 U	202	0.0493 U	202 T	0.0493 U	0.0493 U	0.0493 U
WS-12-161	WLCSLH01WS12161_4042	1.01 U	0.0926	0.0514 U	0.0514 U	0.072	0.154	0.319	0.638 T	0.0514 U	0.0514 U	0.0514 U
WS-14-125	WLCSLH01WS14125_1104	288	130	3.2	22.1	38.1	9170	90.1	9740 T	0.594	8.06	7.89
WS-14-161	WLCSLH01WS14161_1104	0.95 U	0.0478 U	0.0478 U	0.0478 U	0.0478 U	3.92	0.0478	3.97 T	0.0478 U	0.0478 U	0.0478 U
WS-14	WLCSLH01WS14W208	0.978 U	0.06	0.05 U	0.05 U	0.05 U	0.67	0.21	0.94 T	0.05 U	0.05 U	0.05 U

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Table C2-34. PAH Values Used in Total PAH Calculation

	CAS No	205-99-2	207-08-9	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo (g,h,i) perylene	Chrysene	Fluoranthene	Indeno(1,2,3-cd) pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**									
P-7	WLCSLH01P7	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 UT
P-8	WLCSLH01P830	2 U	2 U	2 U	2 U	2.8	2 U	3.3	6.1 T	27.1 T
P-8	WLCSLH01P852	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 UT
P-8	WLCSLH01P882	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2.1 T
P-9	WLCSLH01P9	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UT	2 UT
WS-11-125	WLCSLH01WS11125_0404	126	29.9	53.1	174	407	47.7	409	1550 T	11950 T
WS-11-125	WLCSLH01WS11125_1104	9.27	2.92	7.19	10.7	35	5.13	40.8	132 T	3132 T
WS-11-161	WLCSLH01WS11161_0404	0.111	0.0505 U	0.111	0.111	0.232	0.0707	0.303	1.15 T	3.34 T
WS-11-161	WLCSLH01WS11161_1104	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 UT	2.06 T
WS-12-125	WLCSLH01WS12125_1104	0.0488 U	0.0488 U	0.0488 U	0.0488 U	0.0488 U	0.0488 U	0.0488 U	0.0488 UT	0.391 T
WS-12-125	WLCSLH01WS12125_4042	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UT	2.54 T
WS-12-161	WLCSLH01WS12161_1104	0.0493 U	0.0493 U	0.0493 U	0.0493 U	0.0493 U	0.0493 U	0.0493 U	0.0493 UT	202 T
WS-12-161	WLCSLH01WS12161_4042	0.0514 U	0.0514 U	0.0514 U	0.0514 U	0.072	0.0514 U	0.0823	0.154 T	0.792 T
WS-14-125	WLCSLH01WS14125_1104	7.96	2.27	5.17	8.46	30	3.81	33.1	107 T	9847 T
WS-14-161	WLCSLH01WS14161_1104	0.0478 U	0.0478 U	0.0478 U	0.0478 U	0.0478 U	0.0478 U	0.0478 U	0.0478 UT	3.97 T
WS-14	WLCSLH01WS14W208	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05	0.1 T	1.04 T

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-35. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Transition Zone Water Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**							
AP04CPR	LWG2-P-AP04C	0.14 U	2	0.13 U	0.37 J	0.3 J	0.67 JT	2.67 JT
AR04BPR	LWG2-P-AR04B	0.14 U	1	0.13 U	0.26 J	0.2 J	0.46 JT	1.46 JT
AR04BPR	LWG2-P-AR04B-2	0.14 U	4.6	0.13 U	0.26 J	0.21 J	0.47 JT	5.07 JT
CP07DPR	LWG2-P-CP07D	0.24 U	2.6	0.13 U	0.22 U	0.11 J	0.11 JT	2.71 JT
CP09DPR	LWG2-P-CP09D	0.28 U	1.2	0.13 U	0.22 U	0.12 J	0.12 JT	1.32 JT
CP09DPR	LWG2-P-CP09D-2	0.31 U	1.6	0.13 U	0.22 U	0.21 J	0.21 JT	1.81 JT
GN01EPR	LWG2-P-GN1E	0.14 U	0.64	0.13 U	0.22 U	0.11 U	0.22 UT	0.64 T
GN02EPR	LWG2-P-GN2E	0.14 U	0.53 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.53 UT
GN02EPR	LWG2-P-GN2E-2	0.14 U	0.5 U	0.13 U	0.22 U	0.11 J	0.11 JT	0.11 JT
GN03APR	LWG2-P-GN3A	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
GN04BPR	LWG2-P-GN4B	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
GS01BPR	LWG2-P-GSC1B	42	28	3.3	4.4	3.1	7.5 T	80.8 T
GS07DPR	LWG2-P-GSC7D	0.14 U	0.25 U	0.13 U	0.32 J	0.42 J	0.74 JT	0.74 JT
GS07DPR	LWG2-P-GSC7D-2	0.14 U	0.18 U	0.13 U	0.25 J	0.34 J	0.59 JT	0.59 JT
KM10APR	LWG2-P-KM10A	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
KM11BPR	LWG2-P-KM11B	0.14 U	0.21 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
KM11BPR	LWG2-P-KM11B-2	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
KM06APR	LWG2-P-KM6A	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2AP01PR	LWG2-P-R2AP1	0.46 U	2.7	0.14 J	0.51	0.41 J	0.92 JT	3.76 JT
R2AP01PR	LWG2-P-R2AP1-2	1.5	1.7	0.14 J	0.41 J	0.37 J	0.78 JT	4.12 JT
R2CP01PR	LWG2-P-R2CP1	0.33 U	1.2	0.13 U	0.22 U	0.11 U	0.22 UT	1.2 T
R2GN01PR	LWG2-P-R2GN1	0.14 U	0.67	0.13 U	0.22 U	0.11 U	0.22 UT	0.67 T
R2KM02PR	LWG2-P-R2KM2	0.14 U	0.18 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
RP07EPR	LWG2-P-RP7E	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
RP07EPR	LWG2-P-RP7E-2	0.14 U	0.16 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
SL01EPR	LWG2-P-SLT1E	9.2	1.3	0.46 J	1.2	1.6	2.8 T	13.8 JT
SL02CPR	LWG2-P-SLT2C	0.17 U	0.93	0.13 U	0.26 J	0.33 J	0.59 JT	1.52 JT
SL02EPR	LWG2-P-SLT2E	2.4	2.2	0.65	1.3	2.5	3.8 T	9.05 T
SL03CPR	LWG2-P-SLT3C	0.14 U	0.51 U	0.13 U	0.22 J	0.22 J	0.44 JT	0.44 JT
SL03FPR	LWG2-P-SLT3F	19	2.5	0.54	0.57	0.65	1.22 T	23.3 T
SL03FPR	LWG2-P-SLT3F-2	33	5.6	2.3	2.2	5	7.2 T	48.1 T
SL04FPR	LWG2-P-SLT4F	49	4.7	5	3.6	7	10.6 T	69.3 T
W09CPR	LWG2-P-W09C	0.14 U	0.67	0.13 U	0.22 U	0.13 J	0.13 JT	0.8 JT
W04CPR	LWG2-P-W4C	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
W04CPR	LWG2-P-W4C-2	0.14 U	0.12 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
AP02ATR	LWG2-T30-AP2A	0.31 J	0.89 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.31 JT
AP02DTR	LWG2-T30-AP2D	3.1	0.36 U	0.16 J	0.22 U	0.16 J	0.16 JT	3.42 JT
AP03ATR	LWG2-T30-AP3A	2.2	7.3	1.8	6.6	3.2	9.8 T	21.1 T
AP03ATR	LWG2-T30-AP3A-D	2.2	7.9	2.1	7.1	3.3	10.4 T	22.6 T
AP03DTR	LWG2-T30-AP3D	11 J	5.4 U	6.5 U	11 U	5.1 U	11 UT	11 JT
AR01ATR	LWG2-T30-AR1A	0.14 U	0.23 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.23 UT
AR01ATR	LWG2-T30-AR1A-D	0.14 U	0.44 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.44 UT
AR02ATR	LWG2-T30-AR2A	0.14 U	0.39 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.39 UT
CP06ATR	LWG2-T30-CP6A	0.14 U	0.28 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.28 UT
CP07ATR	LWG2-T30-CP7A	0.54	0.17 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.54 T
CP07BTR	LWG2-T30-CP7B	0.32 J	0.28 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.32 JT
CP08BTR	LWG2-T30-CP8B	0.2 J	0.22 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.2 JT
CP09ATR	LWG2-T30-CP9A	0.14 U	0.24 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.24 UT
CP09ATR	LWG2-T30-CP9A-D	0.14 U	0.24 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.24 UT
EM01ATR	LWG2-T30-EM1A	0.14 U	0.38 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.38 UT
EM02ATR	LWG2-T30-EM2A	0.14 U	0.25 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.25 UT
EM02CTR	LWG2-T30-EM2C	0.14 U	0.24 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.24 UT
EM03ATR	LWG2-T30-EM3A	0.14 U	0.19 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
EM04ATR	LWG2-T30-EM4A	0.14 U	0.27 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.27 UT
EM04CTR	LWG2-T30-EM4C	0.14 U	0.27 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.27 UT
EM05ATR	LWG2-T30-EM5A	0.14 U	0.42 J	0.13 U	0.22 U	0.16 J	0.16 JT	0.58 JT
EM06BTR	LWG2-T30-EM6B	0.14 U	0.44 J	0.13 U	0.23 J	0.16 J	0.39 JT	0.83 JT
EM08ATR	LWG2-T30-EM8A	0.14 U	0.46 J	0.13 U	0.22 U	0.11 U	0.22 UT	0.46 JT
GN04ATR	LWG2-T30-GN4A	0.14 U	0.51	0.13 U	0.22 U	0.11 U	0.22 UT	0.51 T
GN04ATR	LWG2-T30-GN4A-D	0.14 U	0.52	0.13 U	0.22 U	0.11 U	0.22 UT	0.52 T
GN05ATR	LWG2-T30-GN5A	0.27 J	1.4	0.9	2.8	0.21 J	3.01 JT	5.58 JT
GS02ATR	LWG2-T30-GS2A	250	16	33	14	20	34 T	333 T
GS02ATR	LWG2-T30-GS2A-D	250	17	33	14	20	34 T	334 T
GS07BTR	LWG2-T30-GS7B	540	11	77	58	47	105 T	733 T
GS08ATR	LWG2-T30-GS8A	0.14 U	0.24 U	0.13 U	0.33 J	0.2 U	0.33 JT	0.33 JT
GS08DTR	LWG2-T30-GS8D	14	0.79 U	2.2	0.63	0.95	1.58 T	17.8 T
KM08ATR	LWG2-T30-KM8A	0.14 U	0.16 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2AP02TR	LWG2-T30-R2AP2	1.9	1.2 U	0.42 J	1.1	0.13 J	1.23 JT	3.55 JT
R2AR01TR	LWG2-T30-R2AR1	0.14 U	0.15 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2AR02TR	LWG2-T30-R2AR2	0.14 U	0.31 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.31 UT
R2AR03TR	LWG2-T30-R2AR3	0.14 U	0.42 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.42 UT
R2AR04TR	LWG2-T30-R2AR4	0.14 U	0.21 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2EM01TR	LWG2-T30-R2EM1	0.14 U	0.31 J	0.13 U	0.22 U	0.11 U	0.22 UT	0.31 JT
R2EM01TR	LWG2-T30-R2EM1-D	0.14 U	0.26 J	0.13 U	0.22 U	0.11 U	0.22 UT	0.26 JT
R2KM01TR	LWG2-T30-R2KM1	0.14 U	0.19 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2KM01TR	LWG2-T30-R2KM1-D	0.14 U	0.19 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
R2KM02TR	LWG2-T30-R2KM2	0.14 U	0.23 J	0.13 U	0.22 U	0.11 U	0.22 UT	0.23 JT
R2RP01TR	LWG2-T30-R2RP1	0.29 J	1.2 U	0.13 U	0.38 J	0.13 U	0.38 JT	0.67 JT

Table C2-35. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Transition Zone Water Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Xylene	BTEX
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**							
R2RP02TR	LWG2-T30-R2RP2	0.14 U	0.29 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.29 UT
R2RP03TR	LWG2-T30-R2RP3	0.14 U	0.43 U	0.13 U	0.23 J	0.24 U	0.23 JT	0.23 JT
R2W02TR	LWG2-T30-R2W2	0.14 U	2.3 U	0.13 U	0.22 U	0.12 J	0.12 JT	0.12 JT
RP02ETR	LWG2-T30-RP2E	0.91	1.6 U	0.13 J	0.37 J	0.15 U	0.37 JT	1.41 JT
RP03CTR	LWG2-T30-RP3C	1.9 J	1.1 U	0.65 U	1.1 U	0.51 U	1.1 UT	1.9 JT
RP03ETR	LWG2-T30-RP3E	1.4	1.3 U	0.17 J	0.53	0.2 U	0.53 T	2.1 JT
RP07BTR	LWG2-T30-RP7B	0.22 J	0.56 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 JT
RP07BTR	LWG2-T30-RP7B-D	0.19 J	0.53 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.19 JT
SL01ATR	LWG2-T30-SL1A	0.94	0.6 U	0.42 J	0.62	1.6	2.22 T	3.58 JT
SL02ATR	LWG2-T30-SL2A	0.14 U	0.32 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.32 UT
SL03ATR	LWG2-T30-SL3A	0.14 U	0.31 U	0.13 U	0.22 U	0.12 J	0.12 JT	0.12 JT
SL03ATR	LWG2-T30-SL3A-D	0.14 U	0.25 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.25 UT
SL04ATR	LWG2-T30-SL4A	0.14 U	0.19 U	0.13 U	0.25 J	0.17 J	0.42 JT	0.42 JT
SL05ATR	LWG2-T30-SL5A	0.14 U	0.28 U	0.13 U	0.22 U	0.11 J	0.11 JT	0.11 JT
W12ATR	LWG2-T30-W12A	0.14 U	0.76 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.76 UT
W12ATR	LWG2-T30-W12A-D	0.14 U	0.82 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.82 UT
W06ATR	LWG2-T30-W6A	0.14 U	0.56 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.56 UT
W07CTR	LWG2-T30-W7C	0.14 U	0.9 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.9 UT
W09ATR	LWG2-T30-W9A	0.14 U	0.74 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.74 UT
AP03ATR	LWG2-T90-AP3A	68 U	65 J	65 U	110 U	51 U	110 UT	65 JT
AP03DTR	LWG2-T90-AP3D	6.8 U	5.4 U	6.5 U	11 U	5.1 U	11 UT	11 UT
AR01ATR	LWG2-T90-AR1A	0.14 U	0.35 U	0.13 U	0.22 U	0.15 J	0.15 JT	0.15 JT
CP06ATR	LWG2-T90-CP6A	0.14 U	0.27 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.27 UT
CP07BTR	LWG2-T90-CP7B	0.22 J	0.28 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 JT
CP07DTR	LWG2-T90-CP7D	0.14 J	1.4 U	0.31 J	1.4	1.5	2.9 T	3.35 JT
EM01ATR	LWG2-T90-EM1A	0.14 U	0.38 U	0.13 U	0.22 U	0.14 J	0.14 JT	0.14 JT
EM03ATR	LWG2-T90-EM3A	0.14 U	0.26 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.26 UT
EM03ATR	LWG2-T90-EM3A-D	0.14 U	0.23 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.23 UT
EM04CTR	LWG2-T90-EM4C	0.14 U	0.33 U	0.29 J	0.31 J	0.71	1.02 JT	1.31 JT
GN01ETR	LWG2-T90-GN1E	0.25 J	1.8	0.24 J	0.97	0.17 J	1.14 JT	3.43 JT
GN04ATR	LWG2-T90-GN4A	0.14 U	0.79	0.13 U	0.22 U	0.11 U	0.22 UT	0.79 T
GN05ATR	LWG2-T90-GN5A	0.16 J	0.74	0.13 U	0.22 U	0.11 U	0.22 UT	0.9 JT
GN05ATR	LWG2-T90-GN5A-D	0.16 J	0.63	0.13 U	0.22 U	0.11 U	0.22 UT	0.79 JT
GS07DTR	LWG2-T90-GS7D	1.8	0.56 U	0.53	0.55	0.79	1.34 T	3.67 T
GS08DTR	LWG2-T90-GS8D	35	1.5 U	4.5	2.4	6	8.4 T	47.9 T
R2AP02TR	LWG2-T90-R2AP2	3.2	2.9	0.27 J	1.1	0.8	1.9 T	8.27 JT
R2AR02TR	LWG2-T90-R2AR2	0.14 U	0.32 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.32 UT
R2KM02TR	LWG2-T90-R2KM2	0.14 U	0.26 J	0.13 U	0.22 U	0.11 U	0.22 UT	0.26 JT
RP02ETR	LWG2-T90-RP2E	0.14 U	0.82 U	0.13 U	0.37 J	0.14 U	0.37 JT	0.37 JT
RP03CTR	LWG2-T90-RP3C	1.9	1 U	0.26 U	0.44 U	0.21 U	0.44 UT	1.9 T
RP03ETR	LWG2-T90-RP3E	1	1 U	1.1	1.4	0.6 U	1.4 T	3.5 T
SL03FTR	LWG2-T90-SL3F	9.4	0.66 U	0.14 J	0.22 U	1.4	1.4 T	10.9 JT
SL04ATR	LWG2-T90-SL4A	0.71	0.61 U	1.6	2.7	1.6	4.3 T	6.61 T
AP03B-1	LWP1-T-AP03BDupunfilt	2.5	4	0.68 J	1.5	0.78 J	2.28 JT	9.46 JT
AP03B-1	LWP1-T-AP03Bunfilt	2.9	12	0.34 J	1.1	0.51 U	1.1 T	16.34 JT
AP04B	LWP1-T-AP04Bunfilt	3.1	2	0.071 U	1.1	0.42 J	1.52 JT	6.62 JT
AP04D	LWP1-T-AP04Dunfilt	0.17 J	0.43 J	0.09 J	0.2 J	0.13 J	0.33 JT	1.02 JT
ARC02B	LWP1-T-ARCO2Bunfilt	1 U	1.4 U	1 U	1 U	1 U	1 UT	1.4 UT
ARC03B	LWP1-T-ARCO3Bunfilt	1.2 U	2.3 U	1 U	1.4 U	1 U	1.4 UT	2.3 UT
ARC06B-1	LWP1-T-ARCO6BDup	4.8 U	6.6 U	1 U	3.2 U	1.5 U	3.2 UT	6.6 UT
ARC06B-1	LWP1-T-ARCO6Bunfilt	1.9 U	3.8 U	1 U	1.8 U	1 U	1.8 UT	3.8 UT
AP03B-1	LWP-TZW3-AP03B-1	14 U	59	13 U	22 U	11 U	22 UT	59 T
AP03B-2	LWP-TZW3-AP03B-2	4.5	51	0.36 J	1.4	0.64	2.04 T	57.9 JT
AP04B	LWP-TZW3AP04B	2.4	1.4	0.15 J	0.33 J	0.24 J	0.57 JT	4.52 JT
AP04D	LWP-TZW3AP04D	1600	2.7 U	3.3 U	5.5 U	2.6 U	5.5 UT	1600 T
ARC02B	LWP-TZW3AR02B2	0.14 U	0.63	0.13 U	0.22 J	0.16 J	0.38 JT	1.01 JT
ARC03B	LWP-TZW3AR03B	0.14 U	1.3	0.13 U	0.25 J	0.24 J	0.49 JT	1.79 JT
ARC06B-1	LWP-TZW3AR06B-1	0.14 U	0.11 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.22 UT
ARC06B-2	LWP-TZW3AR06B-2	0.14 U	0.95	0.13 U	0.27 J	0.34 J	0.61 JT	1.56 JT
ARC02B	LWP-TZW71-AR02B	0.22 J	0.81 U	0.13 U	1.2	0.23 J	1.43 JT	1.65 JT
ARC03B	LWP-TZW71-AR03B	0.14 U	0.5 U	0.13 U	0.38 J	0.22 J	0.6 JT	0.6 JT
ARC06B-1	LWP-TZW71-AR06B-1	0.14 U	0.53 U	0.13 U	0.41 J	0.22 J	0.63 JT	0.63 JT
ARC06B-2	LWP-TZW71-AR06B-2	0.14 U	0.56 U	0.13 U	0.33 J	0.18 J	0.51 JT	0.51 JT
ARC02B	LWP-TZW72-AR02B	0.25 J	1.4 U	0.13 U	1.2	0.27 J	1.47 JT	1.72 JT
ARC03B	LWP-TZW72-AR03B	0.14 U	0.5 U	0.13 U	0.22 U	0.11 U	0.22 UT	0.5 UT
ARC06B-1	LWP-TZW72-AR06B-1	0.14 U	0.61 U	0.13 U	0.25 J	0.14 J	0.39 JT	0.39 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-36. Petroleum Hydrocarbon Values Used in TPH Calculations for Transition Zone Water Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/l	mg/l	mg/l	mg/l
Location Name	**Sample ID**				
AR04BPR	LWG2-P-AR04B	0.26 U	0.013 U	0.13 U	0.26 UT
AR04BPR	LWG2-P-AR04B-2	0.41 U	0.013 U	0.34 J	0.34 JT
GS01BPR	LWG2-P-GSC1B	0.84 J	0.23 JT	0.07 U	1.07 JT
GS07DPR	LWG2-P-GSC7D	0.32 U	0.053 J	0.059 U	0.053 JT
GS07DPR	LWG2-P-GSC7D-2	0.33 U	0.15 J	0.046 U	0.15 JT
KM10APR	LWG2-P-KM10A	0.094 U	0.013 U	0.054 U	0.094 UT
KM11BPR	LWG2-P-KM11B	0.17 U	0.013 U	0.077 U	0.17 UT
KM11BPR	LWG2-P-KM11B-2	0.14 U	0.013 U	0.089 U	0.14 UT
KM06APR	LWG2-P-KM6A	0.19 U	0.013 U	0.058 U	0.19 UT
R2KM02PR	LWG2-P-R2KM2	0.088 U	0.013 U	0.047 U	0.088 UT
SL01EPR	LWG2-P-SLT1E	0.32 U	1.1 J	0.057 U	1.1 JT
SL02CPR	LWG2-P-SLT2C	0.12 U	0.019 J	0.081 U	0.019 JT
SL02EPR	LWG2-P-SLT2E	1 J	0.86 J	0.25 U	1.86 JT
SL03CPR	LWG2-P-SLT3C	0.23 U	0.041 J	0.1 U	0.041 JT
SL03FPR	LWG2-P-SLT3F	0.33 U	0.66 J	0.078 U	0.66 JT
SL03FPR	LWG2-P-SLT3F-2	0.64 J	0.9 J	0.08 U	1.54 JT
SL04FPR	LWG2-P-SLT4F	1.3 J	1.05 JT	0.11 U	2.35 JT
W09CPR	LWG2-P-W09C	0.15 U	0.013 U	0.061 J	0.061 JT
W04CPR	LWG2-P-W4C	0.11 U	0.013 U	0.047 U	0.11 UT
W04CPR	LWG2-P-W4C-2	0.13 U	0.013 U	0.046 U	0.13 UT
AR01ATR	LWG2-T30-AR1A	0.34 J	0.23 J	0.4 J	0.97 JT
AR01ATR	LWG2-T30-AR1A-D	0.18 U	0.2 J	0.19 U	0.2 JT
AR01ATR	LWG2-T30-AR1A-D-FILT	0.22 J		0.2 U	0.22 JT
AR01ATR	LWG2-T30-AR1A-FILT	0.25 J		0.26 J	0.51 JT
AR02ATR	LWG2-T30-AR2A	0.11 U	0.013 JT	0.17 U	0.013 JT
AR02ATR	LWG2-T30-AR2A-FILT	0.098 U		0.14 U	0.14 UT
EM01ATR	LWG2-T30-EM1A	0.94 J	0.086 U	0.22 U	0.94 JT
EM01ATR	LWG2-T30-EM1A-Filt	0.89 J		0.16 U	0.89 JT
EM02ATR	LWG2-T30-EM2A	0.078 U	0.016 JT	0.076 U	0.016 JT
EM02ATR	LWG2-T30-EM2A-Filt	0.058 U		0.047 U	0.058 UT
EM02CTR	LWG2-T30-EM2C	0.7 J	0.17 U	0.73 J	1.43 JT
EM02CTR	LWG2-T30-EM2C-Filt	0.36 J		0.13 U	0.36 JT
EM03ATR	LWG2-T30-EM3A	0.55 J	0.037 JT	0.32 J	0.907 JT
EM03ATR	LWG2-T30-EM3A-D-Filt	0.5 J		0.19 U	0.5 JT
EM03ATR	LWG2-T30-EM3A-Filt	0.41 J		0.17 J	0.58 JT
EM04ATR	LWG2-T30-EM4A	0.53 J	0.041 U	0.24 J	0.77 JT
EM04ATR	LWG2-T30-EM4A-Filt	0.54 J		0.27 J	0.81 JT
EM04CTR	LWG2-T30-EM4C	0.23 U	0.02 U	0.18 J	0.18 JT
EM04CTR	LWG2-T30-EM4C-Filt	0.26 U		0.17 J	0.17 JT
EM05ATR	LWG2-T30-EM5A	1.5 J	0.096 U	0.57 J	2.07 JT
EM05ATR	LWG2-T30-EM5A-Filt	1.2 J		0.4 J	1.6 JT
EM06BTR	LWG2-T30-EM6B	0.91 J	0.61 J	0.27 J	1.79 JT
EM06BTR	LWG2-T30-EM6B-Filt	0.32 J		0.083 J	0.403 JT
EM08ATR	LWG2-T30-EM8A	0.38 JT	0.014 T	0.2 JT	0.594 JT
EM08ATR	LWG2-T30-EM8A-Filt	0.37 J		0.16 J	0.53 JT
GS02ATR	LWG2-T30-GS2A	3.3 J	1.9 J	0.81 J	6.01 JT
GS02ATR	LWG2-T30-GS2A-D	3.6 J	1.2 J	0.8 J	5.6 JT
GS02ATR	LWG2-T30-GS2A-D-FILT	3.3 J		0.46 J	3.76 JT
GS02ATR	LWG2-T30-GS2A-FILT	3.6 J		0.5 J	4.1 JT
GS07BTR	LWG2-T30-GS7B	6.1 J	4 J	1.2 J	11.3 JT
GS08ATR	LWG2-T30-GS8A	0.37 JT	0.017 UT	0.24 JT	0.61 JT
GS08ATR	LWG2-T30-GS8A-FILT	0.37		0.24 J	0.61 JT
GS08DTR	LWG2-T30-GS8D	0.92 J	0.74 J	0.23 J	1.89 JT
GS08DTR	LWG2-T30-GS8D-FILT	0.7 J		0.14 J	0.84 JT
KM08ATR	LWG2-T30-KM8A	0.21 J	0.014 J	0.17 U	0.224 JT
KM08ATR	LWG2-T30-KM8A-Filt	0.096 U		0.08 U	0.096 UT
R2AR01TR	LWG2-T30-R2AR1	0.445 JT	0.053 JT	0.18 JT	0.678 JT
R2AR01TR	LWG2-T30-R2AR1-FILT	0.47 J		0.18 U	0.47 JT
R2AR02TR	LWG2-T30-R2AR2	0.71 J	0.088 U	0.32 U	0.71 JT
R2AR02TR	LWG2-T30-R2AR2-FILT	0.61 J		0.21 U	0.61 JT
R2AR03TR	LWG2-T30-R2AR3	2 J	2.4	0.17 U	4.4 JT
R2AR03TR	LWG2-T30-R2AR3-FILT	1.4 J		0.1 U	1.4 JT
R2AR04TR	LWG2-T30-R2AR4	0.18 U	0.092 U	0.089 U	0.18 UT
R2AR04TR	LWG2-T30-R2AR4-FILT	0.16 U		0.064 U	0.16 UT
R2EM01TR	LWG2-T30-R2EM1	0.44 J	0.067 U	0.15 J	0.59 JT
R2EM01TR	LWG2-T30-R2EM1-D	0.35 J	0.068 U	0.11 J	0.46 JT
R2EM01TR	LWG2-T30-R2EM1-D-Filt	0.27 J		0.091 J	0.361 JT
R2EM01TR	LWG2-T30-R2EM1-Filt	0.32 J		0.11 J	0.43 JT
R2KM01TR	LWG2-T30-R2KM1	1.25 JT	0.05 JT	0.73 JT	2.03 JT

Table C2-36. Petroleum Hydrocarbon Values Used in TPH Calculations for Transition Zone Water Samples.

	CAS No	DRH	GRH	RRH	TPH
	Chemical Name	Diesel Range Hydrocarbons	Gasoline Range Hydrocarbons	Residual Range Hydrocarbons	Total Petroleum Hydrocarbons
	Unit	mg/l	mg/l	mg/l	mg/l
Location Name	**Sample ID**				
R2KM01TR	LWG2-T30-R2KM1-D	1.1 J	0.048 J	0.55 U	1.15 JT
R2KM01TR	LWG2-T30-R2KM1-Filt	1.4 J		0.71 J	2.11 JT
R2W02TR	LWG2-T30-R2W2	0.62 J	0.028 J	0.41 U	0.648 JT
SL01ATR	LWG2-T30-SL1A	2.3 J	1 JT	0.5 J	3.8 JT
SL01ATR	LWG2-T30-SL1A-FILT	1.9 J		0.43 J	2.33 JT
SL02ATR	LWG2-T30-SL2A	0.13 U	0.03 U	0.081 U	0.13 UT
SL02ATR	LWG2-T30-SL2A-FILT	0.12 U		0.07 U	0.12 UT
SL03ATR	LWG2-T30-SL3A	0.38 J	0.04 U	0.091 U	0.38 JT
SL03ATR	LWG2-T30-SL3A-D	0.35 J	0.034 U	0.074 U	0.35 JT
SL03ATR	LWG2-T30-SL3A-D-FILT	0.19 U		0.056 U	0.19 UT
SL03ATR	LWG2-T30-SL3A-FILT	0.16 U		0.057 U	0.16 UT
SL04ATR	LWG2-T30-SL4A	0.495 JT	0.074 U	0.13 JT	0.625 JT
SL04ATR	LWG2-T30-SL4A-FILT	0.37 J		0.12 U	0.37 JT
SL05ATR	LWG2-T30-SL5A	0.24 J	0.026 U	0.11 U	0.24 JT
SL05ATR	LWG2-T30-SL5A-FILT	0.19 U		0.09 U	0.19 UT
W12ATR	LWG2-T30-W12A	0.5 JT	0.0165 JT	0.54 JT	1.06 JT
W12ATR	LWG2-T30-W12A-D	0.33 J	0.017 J	0.3 U	0.347 JT
W12ATR	LWG2-T30-W12A-D-Filt	0.29 J		0.23 U	0.29 JT
W12ATR	LWG2-T30-W12A-Filt	0.29 J		0.27 U	0.29 JT
W06ATR	LWG2-T30-W6A	0.022 U	0.013 U	0.038 U	0.038 UT
W06ATR	LWG2-T30-W6A-Filt	0.026 J		0.034 U	0.026 JT
W07CTR	LWG2-T30-W7C	0.32 J	0.013 U	0.3 U	0.32 JT
W07CTR	LWG2-T30-W7C-Filt	0.037 J		0.072 U	0.037 JT
W09ATR	LWG2-T30-W9A	0.031 U	0.013 U	0.049 U	0.049 UT
W09ATR	LWG2-T30-W9A-Filt	0.037 J		0.058 U	0.037 JT
AR01ATR	LWG2-T90-AR1A	0.59 J	0.6 J	0.5 J	1.69 JT
AR01ATR	LWG2-T90-AR1A-FILT	0.44 J		0.38 J	0.82 JT
EM01ATR	LWG2-T90-EM1A	3.6 J	0.55 J	0.44 U	4.15 JT
EM03ATR	LWG2-T90-EM3A	0.54 J	0.12 U	0.18 U	0.54 JT
EM03ATR	LWG2-T90-EM3A-D	0.5 J	0.11 U	0.2 U	0.5 JT
EM03ATR	LWG2-T90-EM3A-Filt	0.54 J		0.21 U	0.54 JT
EM04CTR	LWG2-T90-EM4C	1.3 J	0.62 J	0.27 U	1.92 JT
EM04CTR	LWG2-T90-EM4C-Filt	1.1 J		0.24 U	1.1 JT
GS08DTR	LWG2-T90-GS8D	2.8 J	1.7 J	0.7 J	5.2 JT
R2AR02TR	LWG2-T90-R2AR2	0.71 J	0.34	0.26 U	1.05 JT
R2AR02TR	LWG2-T90-R2AR2-D	0.71 J		0.23 U	0.71 JT
R2AR02TR	LWG2-T90-R2AR2-D-FILT	0.69 J		0.22 U	0.69 JT
R2AR02TR	LWG2-T90-R2AR2-FILT	0.6 J		0.23 U	0.6 JT
SL03FTR	LWG2-T90-SL3F	0.24 J	0.033 U	0.17 J	0.41 JT
SL04ATR	LWG2-T90-SL4A	2.1 J	0.37 J	0.68 J	3.15 JT
ARC03B	LWP-TZW3AR03B	0.19 J	0.25 U	0.082 J	0.272 JT
ARC02B	LWP-TZW71-AR02B	3 J	0.68 JT	0.93 J	4.61 JT
ARC02B	LWP-TZW71-AR02B-Filt	2.9 J		0.32 J	3.22 JT
ARC03B	LWP-TZW71-AR03B	2.2 J	0.25 U	4.9 J	7.1 JT
ARC03B	LWP-TZW71-AR03B-Filt	0.25 U		0.057 J	0.057 JT
ARC06B-1	LWP-TZW71-AR06B-1	3.6 J	0.25 U	3.8 J	7.4 JT
ARC06B-1	LWP-TZW71-AR06B-1-Filt	0.19 J		0.12 J	0.31 JT
ARC06B-2	LWP-TZW71-AR06B-2	0.67 J	0.25 U	0.72 J	1.39 JT
ARC06B-2	LWP-TZW71-AR06B-2-Filt	0.17 J		0.08 J	0.25 JT
ARC02B	LWP-TZW72-AR02B	2.8 J	0.4 J	0.78 J	3.98 JT
ARC02B	LWP-TZW72-AR02B-Filt	2.85 JT		0.32 JT	3.17 JT
ARC03B	LWP-TZW72-AR03B	0.38 J	0.25 U	0.8 J	1.18 JT
ARC03B	LWP-TZW72-AR03B-Filt	0.27 U		0.042 J	0.042 JT
ARC06B-1	LWP-TZW72-AR06B-1	0.28 J	0.25 U	0.32 J	0.6 JT
ARC06B-1	LWP-TZW72-AR06B-1-Filt	0.17 J		0.088 J	0.258 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-37. PAH Values Used in Total PAH Calculations for Sediment Porewater Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**									
EPASH01	WLCMBI02PASH01ASH01P	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.03 UT	0.04 U
EPASH02	WLCMBI02PASH02ASH02P	0.02 U	19.3	0.067	0.17	11	0.056 U	0.043	30.6 T	0.04 U
EPASH03	WLCMBI02PASH03ASH03P	0.021 U	0.048 U	0.021 U	0.012 J	0.02 J	0.039 U	0.017 J	0.049 JT	0.043 U
EPASH04	WLCMBI02PASH04ASH04P	0.021 U	3.4	0.021 U	0.042	0.077	0.021 U	0.019 J	3.54 JT	0.043 U
EPASH05	WLCMBI02PASH05ASH05P	0.29	9.5	0.062	0.11	0.89	1.2	0.26	12.3 T	0.041 U
EPASH07	WLCMBI02PASH07ASH07P	0.019 J	10.3	0.11	0.2	0.047	0.21	0.09	11 JT	0.041 U
EPASH08	WLCMBI02PASH08ASH08P	43300	23800	141	10200	18900	421000	32000	549000 T	95.2 J
SED03	WLCMBI02SED03SED03P	6.4	104	0.24	3.5	39	2.8	33.3	189 T	0.037 U
SED04	WLCMBI02SED04SED04P	0.017 J	6.6	0.019 U	0.42	1.9	0.074 U	5.1	14 JT	0.037 U
SED05	WLCMBI02SED05SED05P	2.1	25.4	0.024	0.35	6.7	0.17	3.4	38.1 T	0.038 U
SED05	WLCMBI02SED05SED51P	3.5	65.5	0.046	0.98	18.4	0.35	11.1	99.9 T	0.038 U
SED07	WLCMBI02SED07SED07P	0.37	8.5	0.02 U	0.048	0.3	0.46	0.27	9.95 T	0.039 U

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56-55-3	50-32-8	205-99-2	207-08-9	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
Benzo(a)anthracene µg/l	Benzo(a)pyrene µg/l	Benzo(b) fluoranthene µg/l	Benzo(k) fluoranthene µg/l	Benzo(g,h,i) perylene µg/l	Chrysene µg/l	Fluor anthene µg/l	Indeno(1,2,3-cd) pyrene µg/l	Pyrene µg/l	High Molecular Weight PAH µg/l	Total PAHs µg/l
0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.04 U	0.02 U	0.04 U	0.02 U	0.04 UT	0.04 UT
0.014 J	0.04 U	0.02 U	0.02 U	0.02 U	0.013 J	0.17	0.04 U	0.16	0.357 JT	30.957 JT
0.043 U	0.043 U	0.021 U	0.021 U	0.021 U	0.043 U	0.0096 J	0.043 U	0.069	0.0786 JT	0.1276 JT
0.043 U	0.043 U	0.021 U	0.021 U	0.021 U	0.043 U	0.018 J	0.043 U	0.035	0.053 JT	3.593 JT
0.017 J	0.041 U	0.02 U	0.02 U	0.02 U	0.014 J	0.17	0.041 U	0.07	0.271 JT	12.571 JT
0.011 J	0.041 U	0.02 U	0.02 U	0.02 U	0.024 J	0.26	0.041 U	0.097	0.392 JT	11.392 JT
2090	699	969	599	115	2270	13600	181	6170 J	26800 JT	575800 JT
0.23	0.049	0.058	0.043	0.0089 J	0.19	3.1	0.037 U	1.6	5.28 JT	194.28 JT
0.39	0.033 J	0.069	0.034	0.019 U	0.34	3.3	0.037 U	1.8	5.97 JT	19.97 JT
0.04	0.038 U	0.019 U	0.019 U	0.019 U	0.037 J	0.48	0.038 U	0.2	0.757 JT	38.857 JT
0.21	0.061	0.075	0.056	0.037	0.17	1.7	0.036 J	0.73	3.08 JT	102.98 JT
0.011 J	0.039 U	0.02 U	0.02 U	0.02 U	0.01 J	0.077	0.039 U	0.041	0.139 JT	10.089 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-38. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Water Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**										
W001	LW2-W001	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W003	LW2-W003	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W004	LW2-W004	0.00253 U	0.00253 U	0.00253 U	0.00253 U	0.00212 J	0.00377	0.00253 U	0.00253 U	0.00253 U	0.00589 JT
W005	LW2-W005	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0013 U	0.0013 U	0.0026 U	0.0026 U	0.0026 U	0.0026 UT
W006	LW2-W006	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00128 U	0.00128 U	0.00256 U	0.00256 U	0.00256 U	0.00256 UT
W007	LW2-W007	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0013 U	0.0013 U	0.0026 U	0.0026 U	0.0026 U	0.0026 UT
W008	LW2-W008	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W009	LW2-W009	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W010	LW2-W010	0.00267 U	0.00267 U	0.00267 U	0.00267 U	0.00134 U	0.00134 U	0.00267 U	0.00267 U	0.00267 U	0.00267 UT
W011	LW2-W011	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W012	LW2-W012	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W013-1	LW2-W013-1	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W013-2	LW2-W013-2	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00132 U	0.00132 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W014	LW2-W014	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00244	0.013	0.00256 U	0.00256 U	0.0154 T
W017	LW2-W017	R	R	R	R	R	R	R	R	R	RT
W018	LW2-W018	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W019	LW2-W019	0.00253 U	0.00253 U	0.00253 U	0.00253 U	0.00127 U	0.00127 U	0.00253 U	0.00253 U	0.00253 U	0.00253 UT
W020	LW2-W020	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W021	LW2-W021	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W022	LW2-W022	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W023	LW2-W023	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W001	LW2-W2001	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W002	LW2-W2002-1	0.00255 U	0.00255 U	0.00255 U	0.00255 U	0.00127 U	0.00127 U	0.00255 U	0.00255 U	0.00255 U	0.00255 UT
W003	LW2-W2003	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W004	LW2-W2004-1	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00705 J	0.00657	0.00256 U	0.00256 U	0.00256 U	0.0136 JT
W004	LW2-W2004-2	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00458	0.00636	0.00256 U	0.00256 U	0.00256 U	0.0109 T
W006	LW2-W2006	0.00252 U	0.00252 U	0.00252 U	0.00252 U	0.00126 U	0.00126 U	0.00252 U	0.00252 U	0.00252 U	0.00252 UT
W007	LW2-W2007	0.00261 U	0.00261 U	0.00261 U	0.00261 U	0.00131 U	0.00131 U	0.00261 U	0.00261 U	0.00261 U	0.00261 UT
W008	LW2-W2008	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W009	LW2-W2009	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W010	LW2-W2010	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W012	LW2-W2012	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0013 U	0.0013 U	0.0026 U	0.0026 U	0.0026 U	0.0026 UT
W014	LW2-W2014	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0013 U	0.0013 U	0.0026 U	0.0026 U	0.0026 U	0.0026 UT
W017	LW2-W2017	0.00256 U	0.00256 U	0.00256 U	0.00256 U	0.00128 U	0.00128 U	0.00256 U	0.00256 U	0.00256 U	0.00256 UT
W019	LW2-W2019	0.00263 U	0.00263 U	0.00263 U	0.00263 U	0.00132 U	0.00132 U	0.00263 U	0.00263 U	0.00263 U	0.00263 UT
W020	LW2-W2020	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W021	LW2-W2021	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0013 U	0.0013 U	0.0026 U	0.0026 U	0.0026 U	0.0026 UT
W022	LW2-W2022	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W001	LW2-W3001	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00358 J	0.00272 J	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0063 JT
W002	LW2-W3002-1	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W003	LW2-W3003	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W004	LW2-W3004	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.00125 UJ	0.00125 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJ	0.0025 UJT
W006	LW2-W3006	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W007	LW2-W3007	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W008	LW2-W3008	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W009	LW2-W3009	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W010	LW2-W3010	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W012	LW2-W3012	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W014	LW2-W3014	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W017	LW2-W3017	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W019	LW2-W3019	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W020	LW2-W3020	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W021	LW2-W3021	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00125 U	0.00125 U	0.0025 U	0.0025 U	0.0025 U	0.0025 UT
W022	LW2-W3022	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.00217	0.0025 J	0.0025 U	0.0025 U	0.0025 U	0.00467 JT
HC-SW01	WLCRIL99HCSW01CSW10(	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW01	WLCRIL99HCSW01HCSW0:	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW02	WLCRIL99HCSW02HCSW0:	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT

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Table C2-38. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Water Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**										
HC-SW03	WLCRIL99HCSW03CSW03A	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW03	WLCRIL99HCSW03CSW03B	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW04	WLCRIL99HCSW04CSW04A	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW04	WLCRIL99HCSW04CSW04B	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT
HC-SW05	WLCRIL99HCSW05HCSW05	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.4 UT

Notes:

J - The associated numerical value is an estimated quantity.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifiers and their codes.)

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-39. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Water Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
W001	LW2-W001	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJT	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJT	0.000472 UJT	0.000472 UJT	0.000472 UJT
W002	LW2-W002	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT	0.000481 UJT	0.000481 UJT	0.000481 UJT
W003	LW2-W003	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJT	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJT	0.00049 UJT	0.00049 UJT	0.00049 UJT
W004	LW2-W004	0.0005 U	0.0005 U	0.0005 UJ	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UJT	0.0005 UT	0.0005 UT	0.0005 UJT
W006	LW2-W006	0.0005 U	0.0005 U	0.0005 UJ	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UJT	0.0005 UT	0.0005 UT	0.0005 UJT
W007	LW2-W007	0.000495 U	0.000495 U	0.000495 UJ	0.000495 UT	0.000495 U	0.000495 U	0.000495 U	0.000495 UJT	0.000495 UT	0.000495 UT	0.000495 UJT
W008	LW2-W008	0.000472 U	0.000472 U	0.000472 UJ	0.000472 UT	0.000472 U	0.000472 U	0.000472 U	0.000472 UJT	0.000472 UT	0.000472 UT	0.000472 UJT
W009	LW2-W009	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 UT	0.0005 UT	0.0005 UT
W010	LW2-W010	0.0005 U	0.0005 U	0.0005 UJ	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UJT	0.0005 UT	0.0005 UT	0.0005 UJT
W012	LW2-W012	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 UT	0.0005 UT	0.0005 UT
W013-1	LW2-W013-1	0.000472 U	0.000472 U	0.000472 U	0.000472 UT	0.000472 U	0.000472 U	0.000472 U	0.000472 UT	0.000472 UT	0.000472 UT	0.000472 UT
W013-2	LW2-W013-2	0.000526 U	0.000526 U	0.000526 U	0.000526 UT	0.000526 U	0.000526 U	0.000526 U	0.000526 UT	0.000526 UT	0.000526 UT	0.000526 UT
W014	LW2-W014	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W017	LW2-W017	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 UT	0.00051 UT	0.00051 UT
W018	LW2-W018	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 UT	0.000481 UT	0.000481 UT
W019	LW2-W019	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 UT	0.000481 UT	0.000481 UT
W020	LW2-W020	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W021	LW2-W021	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 UT	0.000481 UT	0.000481 UT
W022	LW2-W022	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W001	LW2-W2001	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.0187 NJ	0.0187 JT	0.00049 UT	0.00049 UT	0.0187 JT
W002	LW2-W2002-1	0.000495 U	0.000495 U	0.000495 U	0.000495 UT	0.000495 U	0.000495 U	0.000495 U	0.000495 UT	0.000495 UT	0.000495 UT	0.000495 UT
W003	LW2-W2003	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 UT	0.0005 UT	0.0005 UT
W004	LW2-W2004-1	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 UT	0.000485 UT	0.000485 UT
W004	LW2-W2004-2	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 UT	0.000485 UT	0.000485 UT
W006	LW2-W2006	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 UT	0.00051 UT	0.00051 UT
W007	LW2-W2007	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 UT	0.0005 UT	0.0005 UT
W008	LW2-W2008	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W009	LW2-W2009	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 U	0.000485 U	0.000485 U	0.000485 UT	0.000485 UT	0.000485 UT	0.000485 UT
W010	LW2-W2010	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UT	0.0005 UT	0.0005 UT	0.0005 UT
W012	LW2-W2012	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 UT	0.00051 UT	0.00051 UT
W014	LW2-W2014	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 UT	0.000481 UT	0.000481 UT
W017	LW2-W2017	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 U	0.00051 U	0.00051 U	0.00051 UT	0.00051 UT	0.00051 UT	0.00051 UT
W019	LW2-W2019	0.0005 U	0.0005 U	0.00115	0.00115 T	0.0005 U	0.0005 U	0.0005 U	0.00115 T	0.0005 UT	0.0005 UT	0.00115 T
W020	LW2-W2020	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W021	LW2-W2021	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 U	0.000481 U	0.000481 U	0.000481 UT	0.000481 UT	0.000481 UT	0.000481 UT
W022	LW2-W2022	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W001	LW2-W3001	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT	0.000481 UJT	0.000481 UJT	0.000481 UJT
W002	LW2-W3002-1	0.000538 UJ	0.000538 UJ	0.000538 UJ	0.000538 UJT	0.000538 UJ	0.000538 UJ	0.000538 UJ	0.000538 UJT	0.000538 UJT	0.000538 UJT	0.000538 UJT
W003	LW2-W3003	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJT	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJT	0.000505 UJT	0.000505 UJT	0.000505 UJT
W004	LW2-W3004	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJT	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJT	0.000526 UJT	0.000526 UJT	0.000526 UJT
W006	LW2-W3006	0.000521 U	0.000521 U	0.000521 UJ	0.000521 UT	0.000521 U	0.000521 U	0.000521 U	0.000521 UJT	0.000521 UT	0.000521 UT	0.000521 UJT
W007	LW2-W3007	0.000524 U	0.000524 U	0.000524 UJ	0.000524 UT	0.000524 U	0.000524 U	0.000524 U	0.000524 UJT	0.000524 UT	0.000524 UT	0.000524 UJT
W008	LW2-W3008	0.000515 U	0.000515 U	0.000515 UJ	0.000515 UT	0.000515 U	0.000515 U	0.000515 U	0.000515 UJT	0.000515 UT	0.000515 UT	0.000515 UJT
W009	LW2-W3009	0.000532 U	0.000532 U	0.000532 UJ	0.000532 UT	0.000532 U	0.000532 U	0.000532 U	0.000532 UJT	0.000532 UT	0.000532 UT	0.000532 UJT
W010	LW2-W3010	0.000476 U	0.000476 U	0.000476 U	0.000476 UT	0.000476 U	0.000476 U	0.000476 U	0.000476 UT	0.000476 UT	0.000476 UT	0.000476 UT
W012	LW2-W3012	0.000839	0.000481 U	0.000481 U	0.000839 T	0.000481 U	0.000481 U	0.000481 U	0.000839 T	0.000839 T	0.000481 UT	0.000481 UT
W014	LW2-W3014	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UT	0.00049 UT	0.00049 UT	0.00049 UT
W017	LW2-W3017	0.000481 U	0.000481 U	0.000693 J	0.000693 JT	0.000481 U	0.000481 U	0.000481 U	0.000693 JT	0.000481 UT	0.000481 UT	0.000693 JT
W019	LW2-W3019	0.000485 U	0.000485 U	0.000485 UJ	0.000485 UT	0.000485 U	0.000485 U	0.000485 U	0.000485 UJT	0.000485 UT	0.000485 UT	0.000485 UJT
W020	LW2-W3020	0.00051 U	0.00051 U	0.00051 UJ	0.00051 UT	0.00051 U	0.00051 U	0.00051 U	0.00051 UJT	0.00051 UT	0.00051 UT	0.00051 UJT
W021	LW2-W3021	0.00049 U	0.00049 U	0.00049 UJ	0.00049 UT	0.00049 U	0.00049 U	0.00049 U	0.00049 UJT	0.00049 UT	0.00049 UT	0.00049 UJT
W022	LW2-W3022	0.0005 U	0.0005 U	0.0005 UJ	0.0005 UT	0.0005 U	0.0005 U	0.0005 U	0.0005 UJT	0.0005 UT	0.0005 UT	0.0005 UJT
HC-SW01	VLCRIL99HCSW01CSW10	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW01	VLCRIL99HCSW01HCSW0	0.01 U	0.01 U	0.01 U	0.01 UT							

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Table C2-39. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Water Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**											
HC-SW02	VLCRIL99HCSW02HCSW0	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW03	VLCRIL99HCSW03CSW03.	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW03	VLCRIL99HCSW03CSW03.	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW04	VLCRIL99HCSW04CSW04.	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW04	VLCRIL99HCSW04CSW04.	0.01 U	0.01 U	0.01 U	0.01 UT							
HC-SW05	VLCRIL99HCSW05HCSW0	0.01 U	0.01 U	0.01 U	0.01 UT							

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-40. Values Used in Total Chlordanes Calculations for Surface Water Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**						
W001	LW2-W001	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJT
W002	LW2-W002	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT
W003	LW2-W003	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJT
W004	LW2-W004	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W006	LW2-W006	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W007	LW2-W007	0.000495 U	0.000495 U	0.000495 U	0.000495 U	0.000495 U	0.000495 UT
W008	LW2-W008	0.000472 U	0.000472 U	0.000472 U	0.000472 U	0.000472 U	0.000472 UT
W009	LW2-W009	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W010	LW2-W010	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W012	LW2-W012	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W013-1	LW2-W013-1	0.000472 U	0.000472 U	0.000472 U	0.000472 U	0.000472 U	0.000472 UT
W013-2	LW2-W013-2	0.000526 U	0.000526 U	0.000526 U	0.000526 U	0.000526 U	0.000526 UT
W014	LW2-W014	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W017	LW2-W017	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W018	LW2-W018	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W019	LW2-W019	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W020	LW2-W020	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W021	LW2-W021	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W022	LW2-W022	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W001	LW2-W2001	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W002	LW2-W2002-1	0.000495 U	0.000495 U	0.000495 U	0.000495 U	0.000495 U	0.000495 UT
W003	LW2-W2003	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W004	LW2-W2004-1	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W004	LW2-W2004-2	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W006	LW2-W2006	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W007	LW2-W2007	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W008	LW2-W2008	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W009	LW2-W2009	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W010	LW2-W2010	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W012	LW2-W2012	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W014	LW2-W2014	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W017	LW2-W2017	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W019	LW2-W2019	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W020	LW2-W2020	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W021	LW2-W2021	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W022	LW2-W2022	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W001	LW2-W3001	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT
W002	LW2-W3002-1	0.00104 J	0.00108 J	0.000538 UJ	0.000538 UJ	0.000538 UJ	0.00212 JT
W003	LW2-W3003	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJT
W004	LW2-W3004	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJT
W006	LW2-W3006	0.000521 U	0.000521 U	0.000521 U	0.000521 U	0.000521 U	0.000521 UT
W007	LW2-W3007	0.000524 U	0.000524 U	0.000524 U	0.000524 U	0.000524 U	0.000524 UT
W008	LW2-W3008	0.000515 U	0.000515 U	0.000515 U	0.000515 U	0.000515 U	0.000515 UT
W009	LW2-W3009	0.000532 U	0.000532 U	0.000532 U	0.000532 U	0.000532 U	0.000532 UT
W010	LW2-W3010	0.000476 U	0.000476 U	0.000476 U	0.000476 U	0.000476 U	0.000476 UT
W012	LW2-W3012	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W014	LW2-W3014	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W017	LW2-W3017	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W019	LW2-W3019	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W020	LW2-W3020	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W021	LW2-W3021	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W022	LW2-W3022	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 UT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2

Ú - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-41. Values Used in Total Endosulfans Calculations for Surface Water Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**				
W001	LW2-W001	0.000472 UJ	0.000472 UJ	0.000472 UJ	0.000472 UJT
W002	LW2-W002	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT
W003	LW2-W003	0.00049 UJ	0.00049 UJ	0.00049 UJ	0.00049 UJT
W004	LW2-W004	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W006	LW2-W006	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W007	LW2-W007	0.000495 U	0.000495 U	0.000495 U	0.000495 UT
W008	LW2-W008	0.000472 U	0.000472 U	0.000472 UJ	0.000472 UJT
W009	LW2-W009	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W010	LW2-W010	0.0005 U	0.0005 U	0.0005 UJ	0.0005 UJT
W012	LW2-W012	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W013-1	LW2-W013-1	0.000472 U	0.000472 U	0.00077 J	0.00077 JT
W013-2	LW2-W013-2	0.000526 U	0.000526 U	0.000526 U	0.000526 UT
W014	LW2-W014	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W017	LW2-W017	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W018	LW2-W018	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W019	LW2-W019	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W020	LW2-W020	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W021	LW2-W021	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W022	LW2-W022	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W001	LW2-W2001	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W002	LW2-W2002-1	0.000495 U	0.000495 U	0.000495 U	0.000495 UT
W003	LW2-W2003	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W004	LW2-W2004-1	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W004	LW2-W2004-2	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W006	LW2-W2006	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W007	LW2-W2007	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W008	LW2-W2008	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W009	LW2-W2009	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W010	LW2-W2010	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W012	LW2-W2012	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W014	LW2-W2014	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W017	LW2-W2017	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W019	LW2-W2019	0.0005 U	0.0005 U	0.0005 U	0.0005 UT
W020	LW2-W2020	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W021	LW2-W2021	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W022	LW2-W2022	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W001	LW2-W3001	0.000481 UJ	0.000481 UJ	0.000481 UJ	0.000481 UJT
W002	LW2-W3002-1	0.000538 UJ	0.000538 UJ	0.000538 UJ	0.000538 UJT
W003	LW2-W3003	0.000505 UJ	0.000505 UJ	0.000505 UJ	0.000505 UJT
W004	LW2-W3004	0.000526 UJ	0.000526 UJ	0.000526 UJ	0.000526 UJT
W006	LW2-W3006	0.000521 U	0.000521 U	0.000521 U	0.000521 UT
W007	LW2-W3007	0.000524 U	0.000524 U	0.000524 U	0.000524 UT
W008	LW2-W3008	0.000515 U	0.000515 U	0.000515 U	0.000515 UT
W009	LW2-W3009	0.000532 U	0.000532 U	0.000532 U	0.000532 UT
W010	LW2-W3010	0.000476 U	0.000476 U	0.000476 U	0.000476 UT
W012	LW2-W3012	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W014	LW2-W3014	0.00049 U	0.00049 U	0.00049 U	0.00049 UT
W017	LW2-W3017	0.000481 U	0.000481 U	0.000481 U	0.000481 UT
W019	LW2-W3019	0.000485 U	0.000485 U	0.000485 U	0.000485 UT
W020	LW2-W3020	0.00051 U	0.00051 U	0.00051 U	0.00051 UT
W021	LW2-W3021	0.000569	0.00049 U	0.00049 U	0.000569 T
W022	LW2-W3022	0.0005 U	0.0005 U	0.0005 U	0.0005 UT

Notes:
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-42. PAH Values Used in Total PAH Calculations for Surface Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k) fluoranthene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**													
W001	LW2-W001	0.011 U	0.008 U	0.012 J	0.0042 U	0.011 U	0.013 U	0.013 U	0.012 JT	0.0065 U	0.0084 U	0.0064 U	0.0078 U	0.0054 U
W002	LW2-W002	0.0027 U	0.002 U	0.0024 J	0.002 U	0.0026 U	0.0056 U	0.0032 U	0.0024 JT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W003	LW2-W003	0.011 U	0.008 U	0.0095 J	0.0042 U	0.011 U	0.013 U	0.013 U	0.0095 JT	0.0065 U	0.0084 U	0.0064 U	0.0078 U	0.0054 U
W004	LW2-W004	0.011 U	0.008 U	0.0078 J	0.0062 U	0.011 U	0.013 U	0.013 U	0.0078 JT	0.0065 U	0.012 J	0.0064 U	0.009 J	0.008 J
W005	LW2-W005	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W006	LW2-W006	0.0054 UJ	0.004 UJ	0.0036 UJ	0.0021 UJ	0.0052 UJ	0.0079 UJ	0.0064 UJ	0.0079 UJT	0.0033 UJ	0.0059 J	0.0032 UJ	0.0039 UJ	0.0027 UJ
W007	LW2-W007	0.0054 UJ	0.004 UJ	0.0036 UJ	0.0021 UJ	0.0052 UJ	0.0075 UJ	0.0064 UJ	0.0075 UJT	0.0033 UJ	0.0042 UJ	0.0032 UJ	0.0039 UJ	0.0027 UJ
W008	LW2-W008	0.006 J	0.004 U	0.0036 U	0.0029 U	0.0065 J	0.012 U	0.007 U	0.0125 JT	0.0033 U	0.0046 J	0.0033 J	0.004 J	0.0027 U
W009	LW2-W009	0.062	0.0046 J	0.0094 U	0.0021 U	0.0052 U	0.099 U	0.0081 U	0.0666 JT	0.0033 U	0.0043 J	0.0032 U	0.0039 U	0.0027 U
W010	LW2-W010	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0074 U	0.0064 U	0.0074 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W011	LW2-W011	0.011 U	0.008 U	0.0078 J	0.0042 U	0.011 U	0.013 U	0.013 U	0.0078 JT	0.0065 U	0.01 J	0.0064 U	0.0078 U	0.0067 J
W012	LW2-W012	0.22	0.038	0.027 U	0.015 U	0.017	0.77	0.039	1.08 T	0.0033 U	0.019	0.02	0.021	0.0072 J
W013-1	LW2-W013-1	0.011 U	0.008 U	0.016 U	0.0042 U	0.011 U	0.013 U	0.013 U	0.016 UT	0.0065 U	0.0084 U	0.0064 U	0.0078 U	0.0054 U
W013-2	LW2-W013-2	0.011 U	0.008 U	0.012 U	0.0042 U	0.011 U	0.013 U	0.013 U	0.013 UT	0.0065 U	0.0084 U	0.0064 U	0.0078 U	0.0054 U
W014	LW2-W014	0.0068 J	0.004 U	0.0085 U	0.0021 U	0.0052 U	0.015 U	0.0064 U	0.0068 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W015	LW2-W015	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.015 U	0.0064 U	0.015 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W016-1	LW2-W016-1	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.012 U	0.0067 U	0.012 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W016-2	LW2-W016-2	0.0054 UJ	0.004 UJ	0.0036 UJ	0.0021 UJ	0.0052 UJ	0.0071 UJ	0.0064 UJ	0.0071 UJT	0.0033 UJ	0.0042 UJ	0.0032 UJ	0.0039 UJ	0.0027 UJ
W017	LW2-W017	0.0054 J	0.0034 J	0.0018 U	0.0047 U	0.0028 J	0.014 U	0.0069 U	0.0116 JT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W018	LW2-W018	0.011 U	0.008 U	0.013 U	0.0042 U	0.011 U	0.013 U	0.013 U	0.013 UT	0.0065 U	0.0084 U	0.0064 U	0.0078 U	0.0054 U
W019	LW2-W019	0.0054 U	0.004 U	0.0094 U	0.0021 U	0.0052 U	0.011 U	0.0064 U	0.011 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W020	LW2-W020	0.0054 U	0.004 U	0.0088 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0088 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W021	LW2-W021	0.0054 U	0.004 U	0.0075 U	0.0021 U	0.0052 U	0.0067 U	0.0064 U	0.0075 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W022	LW2-W022	0.008 J	0.0071 J	0.012 U	0.0038 U	0.0052 U	0.057 U	0.0089 U	0.0151 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W023	LW2-W023	0.011 U	0.008 U	0.0091 J	0.0042 U	0.011 U	0.013 U	0.013 U	0.0091 JT	0.0065 U	0.01 J	0.0064 U	0.0078 U	0.0054 U
W001	LW2-W2001	0.0054 U	0.004 U	0.0044 J	0.0021 U	0.0052 U	0.0065 J	0.0064 U	0.0109 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W002	LW2-W2002-1	0.0054 U	0.004 U	0.005 J	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.005 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W002	LW2-W2002-2	0.0054 U	0.004 U	0.0049 J	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0049 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W003	LW2-W2003	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W004	LW2-W2004-1	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0047 U	0.0049 U	0.0078 U	0.0062 U
W005	LW2-W2005	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W006	LW2-W2006	0.0054 U	0.004 U	0.0069 J	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0069 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W007	LW2-W2007	0.0054 U	0.004 U	0.0061 U	0.0038 J	0.0052 U	0.0064 U	0.0064 U	0.0038 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W008	LW2-W2008	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0044 J	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W009	LW2-W2009	0.0054 U	0.004 U	0.004 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W010	LW2-W2010	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W011	LW2-W2011B	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W012	LW2-W2012	0.0054 U	0.004 U	0.005 J	0.0027 U	0.0052 U	0.0068 J	0.0064 U	0.0118 JT	0.0033 U	0.006 U	0.0082 U	0.0073 U	0.0068 U
W013-1	LW2-W2013-1	0.0027 U	0.002 U	0.0037 U	0.0011 U	0.0026 U	0.0044 U	0.0032 U	0.0044 UT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W013-2	LW2-W2013-2	0.0027 UJ	0.002 UJ	0.0023 J	0.0018 J	0.0026 UJ	0.0032 UJ	0.0067 UJ	0.0041 JT	0.0017 UJ	0.0028 J	0.0024 J	0.002 UJ	0.0017 J
W014	LW2-W2014	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W015	LW2-W2015	0.0054 U	0.004 U	0.0036 U	0.0034 J	0.0052 U	0.0064 U	0.0064 U	0.0034 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W016-1	LW2-W2016-1	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W017	LW2-W2017	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W018	LW2-W2018	0.0027 U	0.002 U	0.0045 J	0.0011 J	0.0026 U	0.0053 U	0.0032 U	0.0056 JT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W019	LW2-W2019	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W020	LW2-W2020	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W021	LW2-W2021	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W022	LW2-W2022	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0072 J	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W023	LW2-W2023	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W001	LW2-W3001	0.0051 U	0.002 U	0.0018 U	0.0011 U	0.0026 U	0.0032 U	0.0032 U	0.0051 UT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W002	LW2-W3002-1	0.0028 U	0.002 U	0.0018 U	0.0013 J	0.0026 U	0.004 U	0.0032 U	0.0013 JT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W002	LW2-W3002-2	0.0027 U	0.002 U	0.0019 U	0.0011 U	0.0026 U	0.0032 U	0.0032 U	0.0032 UT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W003	LW2-W3003	0.0027 U	0.002 U	0.0018 U	0.0011 U	0.0026 U	0.0039 U	0.0032 U	0.0039 UT	0.0017 U	0.003 J	0.0027 J	0.0028 J	0.0018 J
W004	LW2-W3004	0.0027 U	0.002 U	0.0018 U	0.0011 U	0.0026 U	0.0032 U	0.0032 U	0.0032 UT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W005	LW2-W3005	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.032 U	0.0064 U	0.032 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W006	LW2-W3006	0.0054 U	0.0043 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W007	LW2-W3007	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0075 U	0.0075 UT	0.0033 U	0.0065 J	0.004 J	0.004 J	0.0039 J
W008	LW2-W3008	0.0054 U	0.0045 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0073 U	0.0073 UT	0.0033 U	0.0078 J	0.0075 J	0.008 J	0.006 J
W009	LW2-W3009	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W010	LW2-W3010	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W011	LW2-W3011	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.047 U	0.0066 U	0.047 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W012	LW2-W3012	0.034 U	0.21	0.043	0.072	0.063	0.13	0.17	0.688 T	0.011 J	0.11	0.15	0.11	0.1
W013-1	LW2-W3013-1	0.0027 U	0.002 U	0.0038 U	0.0022 J	0.0026 U	0.0098 U	0.0032 U	0.0022 JT	0.0017 U	0.0021 U	0.0016 U	0.002 U	0.0014 U
W014	LW2-W3014	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.016 U	0.0064 U	0.016 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W015	LW2-W3015	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W016-1	LW2-W3016-1	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0096 U	0.0064 U	0.0096 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W017	LW2-W3017	0.0054 U	0.004 U	0.0036 U	0.0022 J	0.0052 U	0.011 U	0.0071 J	0.0093 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U

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Table C2-42. PAH Values Used in Total PAH Calculations for Surface Water Samples.

	CAS No	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b+k) fluorantene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**								
W001	LW2-W001		0.015 U	0.005 U	0.0096 U	0.0084 U	0.0089 U	0.015 UT	0.012 JT
W002	LW2-W002		0.0037 U	0.0013 U	0.0024 U	0.0021 U	0.0031 J	0.0031 JT	0.0055 JT
W003	LW2-W003		0.015 U	0.0055 J	0.0096 U	0.0084 U	0.0089 U	0.0055 JT	0.015 JT
W004	LW2-W004		0.015 U	0.0089 J	0.018	0.0084 U	0.016	0.0719 JT	0.0797 JT
W005	LW2-W005		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W006	LW2-W006		0.0074 UJ	0.003 J	0.0056 J	0.0042 UJ	0.0065 J	0.021 JT	0.021 JT
W007	LW2-W007		0.0074 UJ	0.0025 UJ	0.0048 UJ	0.0042 UJ	0.0045 UJ	0.0074 UJT	0.0075 UJT
W008	LW2-W008		0.0074 U	0.0028 J	0.0061 J	0.0042 U	0.0078 J	0.0286 JT	0.0411 JT
W009	LW2-W009		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.007 J	0.0113 JT	0.0779 JT
W010	LW2-W010		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W011	LW2-W011		0.015 U	0.0077 J	0.01 J	0.0084 U	0.0089 U	0.0344 JT	0.0422 JT
W012	LW2-W012		0.02	0.026	0.049	0.019	0.055	0.236 JT	1.32 JT
W013-1	LW2-W013-1		0.015 U	0.005 U	0.0096 U	0.0084 U	0.0089 U	0.015 UT	0.016 UT
W013-2	LW2-W013-2		0.015 U	0.005 U	0.0096 U	0.0084 U	0.0089 U	0.015 UT	0.015 UT
W014	LW2-W014		0.0074 U	0.004 J	0.0048 U	0.0042 U	0.0047 J	0.0087 JT	0.0155 JT
W015	LW2-W015		0.0074 U	0.0025 U	0.0054 J	0.0048 J	0.007 J	0.0172 JT	0.0172 JT
W016-1	LW2-W016-1		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.012 UT
W016-2	LW2-W016-2		0.0074 UJ	0.0025 UJ	0.0048 UJ	0.0042 UJ	0.0045 UJ	0.0074 UJT	0.0074 UJT
W017	LW2-W017		0.0037 U	0.0013 U	0.0024 U	0.0021 U	0.0023 U	0.0037 UT	0.0116 JT
W018	LW2-W018		0.015 U	0.005 U	0.0096 U	0.0084 U	0.0089 U	0.015 UT	0.015 UT
W019	LW2-W019		0.0074 U	0.0026 J	0.0048 U	0.0042 U	0.0045 U	0.0026 JT	0.0026 JT
W020	LW2-W020		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0049 J	0.0049 JT	0.0049 JT
W021	LW2-W021		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0075 UT
W022	LW2-W022		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0056 J	0.0056 JT	0.0207 JT
W023	LW2-W023		0.015 U	0.005 U	0.0096 U	0.0084 U	0.0092 J	0.0192 JT	0.0283 JT
W001	LW2-W2001		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0109 JT
W002	LW2-W2002-1		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.005 JT
W002	LW2-W2002-2		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0049 JT
W003	LW2-W2003		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W004	LW2-W2004-1		0.0074 U	0.0081 U	0.014 U	0.0055 J	0.021 U	0.0055 JT	0.0055 JT
W005	LW2-W2005		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W006	LW2-W2006		0.0074 U	0.0034 J	0.016 J	0.0042 U	0.011 J	0.0304 JT	0.0373 JT
W007	LW2-W2007		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.013 J	0.013 JT	0.0168 JT
W008	LW2-W2008		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0058 J	0.0102 JT	0.0102 JT
W009	LW2-W2009		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W010	LW2-W2010		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W011	LW2-W2011B		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W012	LW2-W2012		0.01 J	0.0093 U	0.019 U	0.0094 J	0.028 U	0.0194 JT	0.0312 JT
W013-1	LW2-W2013-1		0.0037 U	0.0013 U	0.0026 J	0.0021 U	0.0033 U	0.0026 JT	0.0026 JT
W013-2	LW2-W2013-2		0.0037 UJ	0.0028 J	0.0069 J	0.0021 UJ	0.0086 J	0.0252 JT	0.0293 JT
W014	LW2-W2014		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W015	LW2-W2015		0.0074 U	0.0029 J	0.012 J	0.0042 U	0.011 J	0.0259 JT	0.0293 JT
W016-1	LW2-W2016-1		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W017	LW2-W2017		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.016 U	0.016 UT	0.016 UT
W018	LW2-W2018		0.0037 U	0.0013 U	0.0024 U	0.0021 U	0.0031 J	0.0031 JT	0.0087 JT
W019	LW2-W2019		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0047 U	0.0074 UT	0.0074 UT
W020	LW2-W2020		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.005 U	0.0074 UT	0.0074 UT
W021	LW2-W2021		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0089 J	0.0089 JT	0.0089 JT
W022	LW2-W2022		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0072 JT	0.0072 JT
W023	LW2-W2023		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.0074 UT
W001	LW2-W3001		0.0037 U	0.0021 J	0.0036 J	0.0021 U	0.0044 J	0.0101 JT	0.0101 JT
W002	LW2-W3002-1		0.0037 U	0.002 J	0.0042 J	0.0021 U	0.0048 J	0.011 JT	0.0123 JT
W002	LW2-W3002-2		0.0037 U	0.0013 U	0.0094 J	0.0021 U	0.0038 J	0.0132 JT	0.0132 JT
W003	LW2-W3003		0.0037 U	0.0037 J	0.016 J	0.0021 U	0.012 J	0.042 JT	0.042 JT
W004	LW2-W3004		0.0037 U	0.0013 U	0.011 J	0.0021 U	0.0039 J	0.0149 JT	0.0149 JT
W005	LW2-W3005		0.0074 U	0.0025 U	0.011 J	0.0042 U	0.0073 J	0.0183 JT	0.0183 JT
W006	LW2-W3006		0.0074 U	0.0032 J	0.017 J	0.0042 U	0.015 J	0.0352 JT	0.0352 JT
W007	LW2-W3007		0.0074 U	0.0064 J	0.018	0.0042 U	0.015 J	0.0578 JT	0.0578 JT
W008	LW2-W3008		0.0074 U	0.0081 J	0.018 J	0.0057 J	0.014 J	0.0751 JT	0.0751 JT
W009	LW2-W3009		0.0074 U	0.0043 J	0.016 J	0.0042 U	0.014 J	0.0343 JT	0.0343 JT
W010	LW2-W3010		0.0074 U	0.0025 U	0.01 J	0.0042 U	0.0077 J	0.0177 JT	0.0177 JT
W011	LW2-W3011		0.0074 U	0.0031 J	0.013 J	0.0042 U	0.0094 J	0.0255 JT	0.0255 JT
W012	LW2-W3012		0.14	0.19	0.4	0.11	0.45	1.771 JT	2.459 JT
W013-1	LW2-W3013-1		0.0037 U	0.0013 U	0.0049 J	0.0021 U	0.005 J	0.0099 JT	0.0121 JT
W014	LW2-W3014		0.0074 U	0.0025 U	0.0099 J	0.0042 U	0.0049 J	0.0148 JT	0.0148 JT
W015	LW2-W3015		0.0074 U	0.0034 J	0.021	0.0042 U	0.015 J	0.0394 JT	0.0394 JT
W016-1	LW2-W3016-1		0.0074 U	0.0038 J	0.02	0.0042 U	0.015 J	0.0388 JT	0.0388 JT
W017	LW2-W3017		0.0074 U	0.0036 J	0.02	0.0042 U	0.016 J	0.0396 JT	0.0489 JT

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Table C2-42. PAH Values Used in Total PAH Calculations for Surface Water Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8	205-99-2	207-08-9
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k) fluoranthene
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**													
W018	LW2-W3018	0.0054 U	0.016 U	0.0036 U	0.0021 U	0.007 J	0.028 U	0.0065 U	0.007 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W019	LW2-W3019	0.0054 U	0.004 U	0.0042 J	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0042 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W020	LW2-W3020	0.0054 U	0.004 U	0.0057 J	0.0021 U	0.0052 U	0.0064 U	0.0073 J	0.013 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W021	LW2-W3021	0.0097 U	0.021	0.0046 J	0.011 J	0.021	0.0064 U	0.096	0.1536 JT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W022	LW2-W3022	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.0064 U	0.0064 U	0.0064 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
W023	LW2-W3023	0.0054 U	0.004 U	0.0036 U	0.0021 U	0.0052 U	0.043 U	0.0064 U	0.043 UT	0.0033 U	0.0042 U	0.0032 U	0.0039 U	0.0027 U
SED01	WLCMBI02SED01SED01D	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 UT	0.036 U	0.036 U	0.036 U	0.018 U	0.018 U
SED02	WLCMBI02SED02SED02D	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0098 J	0.0098 JT	0.037 U	0.037 U	0.037 U	0.019 U	0.019 U
SED03	WLCMBI02SED03SED03D	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.013 J	0.013 JT	0.039 U	0.039 U	0.039 U	0.02 U	0.02 U
SED04	WLCMBI02SED04SED04D	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UT	0.037 U	0.037 U	0.037 U	0.019 U	0.019 U
SED05	WLCMBI02SED05SED05D	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 UT	0.036 U	0.036 U	0.036 U	0.018 U	0.018 U
SED05	WLCMBI02SED05SED51D	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UT	0.037 U	0.037 U	0.037 U	0.019 U	0.019 U
SED06	WLCMBI02SED06SED06D	1.3	9.8	0.042	3.8	10	3.3	22.7	50.9 T	0.093 J	1.5	0.44	0.77	0.39
SED07	WLCMBI02SED07SED07D	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UT	0.037 U	0.037 U	0.037 U	0.019 U	0.019 U
SED08	WLCMBI02SED08SED08D	0.019 U	0.013 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 JT	0.038 U	0.0051 J	0.038 U	0.019 U	0.019 U
SED09	WLCMBI02SED09SED09D	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0087 J	0.0087 JT	0.037 U	0.0041 J	0.037 U	0.019 U	0.019 U
SPMD01	WLCMBI02SPMD01PMD01D		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 UT	0.0472 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U
SPMD01	WLCMBI02SPMD01PMD01F		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 UT	0.0472 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U
SPMD01	WLCMBI02SPMD01SPMD01		0.0155	0.0021 U	0.0041	0.143	0.0014 U	0.0225	0.185 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD02	WLCMBI02SPMD02PMD02D		0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 UT	0.0476 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U
SPMD02	WLCMBI02SPMD02PMD02F		0.0248 U	0.0248 U	0.0248 U	0.0248 U	0.0248 U	0.0248 U	0.0248 UT	0.0495 U	0.0248 U	0.0248 U	0.0248 U	0.0248 U
SPMD02	WLCMBI02SPMD02SPMD02		0.0122	0.0021 U	0.00316	0.113	0.0014 U	0.0157	0.144 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD03	WLCMBI02SPMD03SPMD03		0.0102	0.0021 U	0.0028	0.0952	0.0014 U	0.0124	0.121 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD04	WLCMBI02SPMD04SPMD04		0.0333	0.0021 U	0.0157	0.362	0.0014 U	0.0787	0.49 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD05	WLCMBI02SPMD05PMD05D		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 UT	0.0472 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U
SPMD05	WLCMBI02SPMD05PMD05F		0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 UT	0.0481 U	0.024 U	0.024 U	0.024 U	0.024 U
SPMD05	WLCMBI02SPMD05SPMD05		0.0355	0.0021 U	0.0116	0.382	0.0014 U	0.0534	0.483 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD06	WLCMBI02SPMD06SPMD06		0.0425	0.0021 U	0.0137	0.447	0.0014 U	0.0642	0.567 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD07	WLCMBI02SPMD07SPMD07		0.0055	0.0021 U	0.0033	0.105	0.0014 U	0.0153	0.129 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD08	WLCMBI02SPMD08SPMD08		0.00629	0.0021 U	0.0025	0.112	0.0014 U	0.013	0.134 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD09	WLCMBI02SPMD09SPMD09		0.0354	0.0021 U	0.0224	0.382	0.0014 U	0.106	0.546 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD10	WLCMBI02SPMD10SPMD10		0.0496	0.0021 U	0.0218	0.512	0.0014 U	0.0993	0.683 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD11	WLCMBI02SPMD11PMD11D		0.0239 U	0.0239 U	0.0239 U	0.0239 U	0.0239 U	0.0239 U	0.0239 UT	0.0478 U	0.0239 U	0.0239 U	0.0239 U	0.0239 U
SPMD11	WLCMBI02SPMD11PMD11F		0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 UT	0.0476 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U
SPMD11	WLCMBI02SPMD11SPMD11		0.0341	0.0021 U	0.0145	0.369	0.0014 U	0.062	0.48 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD12	WLCMBI02SPMD12SPMD12		0.0631	0.0021 U	0.0216	0.638	0.0014 U	0.0971	0.82 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD14	WLCMBI02SPMD14SPMD14		0.0238	0.0021 U	0.0038	0.274	0.0014 U	0.029	0.331 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD15	WLCMBI02SPMD15PMD15D	1.24 UT	0.0249 UT	0.0249 UT	0.0249 UT	0.0249 UT	0.0249 UT	0.0249 UT	1.27 UT	0.0498 UT	0.0249 UT	0.0249 UT	0.0249 UT	0.0249 UT
SPMD15	WLCMBI02SPMD15PMD15F		0.0256 UT	0.0256 UT	0.0256 UT	0.0256 UT	0.0256 UT	0.0256 UT	0.0256 UT	0.0513 UT	0.0256 UT	0.0256 UT	0.0256 UT	0.0256 UT
SPMD15	WLCMBI02SPMD15SPMD15		0.0671	0.0021 U	0.0351	0.675	0.0014 U	0.155	0.932 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD16	WLCMBI02SPMD16SPMD16		0.0313	0.0021 U	0.0114	0.343	0.0014 U	0.0445	0.43 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD17	WLCMBI02SPMD17SPMD17		0.0215	0.0021 U	0.0065	0.253	0.0014 U	0.0266	0.308 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD18	WLCMBI02SPMD18SPMD18		0.011	0.0021 U	0.004	0.156	0.0014 U	0.018	0.189 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD19	WLCMBI02SPMD19SPMD19		0.0103	0.0021 U	0.0051	0.15	0.0014 U	0.0225	0.188 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SPMD20	WLCMBI02SPMD20PMD20D		0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 UT	0.0481 U	0.024 U	0.024 U	0.024 U	0.024 U
SPMD20	WLCMBI02SPMD20PMD20F		0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 UT	0.0483 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U
SPMD20	WLCMBI02SPMD20SPMD20		0.0149	0.0021 U	0.0053	0.192	0.0014 U	0.0226	0.235 JT	0.007 U		0.00033 U	0.00083 U	0.00015 U
SW99-01	WLCMBJ99SW9901SW9901		0.4	0.1 U	0.1 U	0.3	0.5	0.5	1.7 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW99-02	WLCMBJ99SW9902SW9902		0.1 U	0.1 U	0.1 U	0.1 U	0.3	0.1 U	0.3 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW99-03	WLCMBJ99SW9903SW9903		0.8	0.1 U	0.1 U	0.5	0.2	0.4	1.9 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW99-04	WLCMBJ99SW9904SW9904		1.2	0.1 U	0.1 U	0.7	0.1 U	0.5	2.4 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW99-04	WLCMBJ99SW9904SW9907		1.1	0.1 U	0.1 U	0.7	0.1 U	0.5	2.3 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
SW99-05	WLCMBJ99SW9905SW9905		0.4	0.1 U	0.1 U	0.3	1.1	0.4	2.2 JT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW01	WLCRIL99HCSW01CSW100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW01	WLCRIL99HCSW01HCSW01	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW02	WLCRIL99HCSW02HCSW02	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW03	WLCRIL99HCSW03CSW03A	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW03	WLCRIL99HCSW03CSW03B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW04	WLCRIL99HCSW04CSW04A	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW04	WLCRIL99HCSW04CSW04B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
HC-SW05	WLCRIL99HCSW05HCSW05	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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Table C2-42. PAH Values Used in Total PAH Calculations for Surface Water Samples.

	CAS No	BKBFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b+k) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Location Name	**Sample ID**								
W018	LW2-W3018		0.0074 U	0.0025 U	0.0097 J	0.0042 U	0.0052 J	0.0149 JT	0.0219 JT
W019	LW2-W3019		0.0074 U	0.004 J	0.024	0.0042 U	0.017	0.045 JT	0.0492 JT
W020	LW2-W3020		0.0074 U	0.0025 U	0.02	0.0042 U	0.0083 J	0.0283 JT	0.0413 JT
W021	LW2-W3021		0.0074 U	0.0057 J	0.082	0.0042 U	0.047	0.1347 JT	0.2883 JT
W022	LW2-W3022		0.0074 U	0.0025 U	0.013 J	0.0042 U	0.0083 J	0.0213 JT	0.0213 JT
W023	LW2-W3023		0.0074 U	0.0025 U	0.0048 U	0.0042 U	0.0045 U	0.0074 UT	0.043 UT
SED01	WLCMBI02SED01SED01D		0.018 U	0.036 U	0.018 U	0.036 U	0.018 U	0.036 UT	0.036 UT
SED02	WLCMBI02SED02SED02D		0.019 U	0.037 U	0.0084 J	0.037 U	0.019 U	0.0084 JT	0.0182 JT
SED03	WLCMBI02SED03SED03D		0.02 U	0.039 U	0.032	0.039 U	0.016 J	0.048 JT	0.061 JT
SED04	WLCMBI02SED04SED04D		0.019 U	0.037 U	0.0071 J	0.037 U	0.019 U	0.0071 JT	0.0071 JT
SED05	WLCMBI02SED05SED05D		0.018 U	0.036 U	0.0041 J	0.036 U	0.018 U	0.0041 JT	0.0041 JT
SED05	WLCMBI02SED05SED51D		0.019 U	0.037 U	0.0043 J	0.037 U	0.019 U	0.0043 JT	0.0043 JT
SED06	WLCMBI02SED06SED06D		0.087	1.2	11.9	0.13	5.3	21.8 JT	72.7 JT
SED07	WLCMBI02SED07SED07D		0.019 U	0.037 U	0.0083 J	0.037 U	0.019 U	0.0083 JT	0.0083 JT
SED08	WLCMBI02SED08SED08D		0.019 U	0.0067 J	0.024	0.038 U	0.013 J	0.0488 JT	0.0618 JT
SED09	WLCMBI02SED09SED09D		0.019 U	0.0039 J	0.018 J	0.037 U	0.011 J	0.037 JT	0.0457 JT
SPMD01	WLCMBI02SPMD01PMD01D		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0472 UT	0.0472 UT
SPMD01	WLCMBI02SPMD01PMD01F		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0472 UT	0.0472 UT
SPMD01	WLCMBI02SPMD01SPMD01		0.0149 U		0.0361	0.0152 U	0.0301	0.0662 JT	0.2512 JT
SPMD02	WLCMBI02SPMD02PMD02D		0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0476 UT	0.0476 UT
SPMD02	WLCMBI02SPMD02PMD02F		0.0248 U	0.0248 U	0.0248 U	0.0248 U	0.0248 U	0.0495 UT	0.0495 UT
SPMD02	WLCMBI02SPMD02SPMD02		0.0149 U		0.031	0.0152 U	0.0262	0.0572 JT	0.2012 JT
SPMD03	WLCMBI02SPMD03SPMD03		0.0149 U		0.0237	0.0152 U	0.0209	0.0446 JT	0.1656 JT
SPMD04	WLCMBI02SPMD04SPMD04		0.0149 U		0.166	0.0152 U	0.121	0.287 JT	0.777 JT
SPMD05	WLCMBI02SPMD05PMD05D		0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0236 U	0.0472 UT	0.0472 UT
SPMD05	WLCMBI02SPMD05PMD05F		0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.0481 UT	0.0481 UT
SPMD05	WLCMBI02SPMD05SPMD05		0.0149 U		0.0937	0.0152 U	0.07	0.164 JT	0.647 JT
SPMD06	WLCMBI02SPMD06SPMD06		0.0149 U		0.107	0.0152 U	0.0779	0.185 JT	0.752 JT
SPMD07	WLCMBI02SPMD07SPMD07		0.0149 U		0.0287	0.0152 U	0.025	0.0537 JT	0.1827 JT
SPMD08	WLCMBI02SPMD08SPMD08		0.0149 U		0.0272	0.0152 U	0.0244	0.0516 JT	0.1856 JT
SPMD09	WLCMBI02SPMD09SPMD09		0.0149 U		0.199	0.0152 U	0.132	0.331 JT	0.877 JT
SPMD10	WLCMBI02SPMD10SPMD10		0.0149 U		0.192	0.0152 U	0.154	0.346 JT	1.029 JT
SPMD11	WLCMBI02SPMD11PMD11D		0.0239 U	0.0239 U	0.0239 U	0.0239 U	0.0239 U	0.0478 UT	0.0478 UT
SPMD11	WLCMBI02SPMD11PMD11F		0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0238 U	0.0476 UT	0.0476 UT
SPMD11	WLCMBI02SPMD11SPMD11		0.0149 U		0.163	0.0152 U	0.131	0.294 JT	0.774 JT
SPMD12	WLCMBI02SPMD12SPMD12		0.0149 U		0.196	0.0152 U	0.146	0.342 JT	1.162 JT
SPMD14	WLCMBI02SPMD14SPMD14		0.0149 U		0.0386	0.0152 U	0.033	0.0716 JT	0.4026 JT
SPMD15	WLCMBI02SPMD15PMD15D		0.0249 UT	0.0249 UT	0.0313 T	0.0249 UT	0.0249 UT	0.0313 T	0.0313 T
SPMD15	WLCMBI02SPMD15PMD15F		0.0256 UT	0.0256 UT	0.0595 T	0.0256 UT	0.0423 T	0.102 T	0.102 T
SPMD15	WLCMBI02SPMD15SPMD15		0.0149 U		0.232	0.0152 U	0.21	0.442 JT	1.374 JT
SPMD16	WLCMBI02SPMD16SPMD16		0.0149 U		0.0869	0.0152 U	0.0708	0.158 JT	0.588 JT
SPMD17	WLCMBI02SPMD17SPMD17		0.0149 U		0.05	0.0152 U	0.045	0.095 JT	0.403 JT
SPMD18	WLCMBI02SPMD18SPMD18		0.0149 U		0.035	0.0152 U	0.0314	0.0664 JT	0.2554 JT
SPMD19	WLCMBI02SPMD19SPMD19		0.0149 U		0.0479	0.0152 U	0.0386	0.0865 JT	0.2745 JT
SPMD20	WLCMBI02SPMD20PMD20D		0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.0481 UT	0.0481 UT
SPMD20	WLCMBI02SPMD20PMD20F		0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0242 U	0.0483 UT	0.0483 UT
SPMD20	WLCMBI02SPMD20SPMD20		0.0149 U		0.0445	0.0152 U	0.0402	0.0847 JT	0.3197 JT
SW99-01	WLCMBJ99SW9901SW9901	0.1 UT	0.1 U	0.1 U	0.2	0.1 U	0.1	0.3 T	2 JT
SW99-02	WLCMBJ99SW9902SW9902	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.3 JT
SW99-03	WLCMBJ99SW9903SW9903	0.1 UT	0.1 U	0.1 U	0.3	0.1 U	0.1	0.4 T	2.3 JT
SW99-04	WLCMBJ99SW9904SW9904	0.1 UT	0.1 U	0.1 U	0.4	0.1 U	0.2	0.6 T	3 JT
SW99-04	WLCMBJ99SW9904SW9907	0.1 UT	0.1 U	0.1 U	0.4	0.1 U	0.2	0.6 T	2.9 JT
SW99-05	WLCMBJ99SW9905SW9905	0.1 UT	0.1 U	0.1 U	0.2	0.1 U	0.1	0.3 T	2.5 JT
HC-SW01	WLCRIL99HCSW01CSW100	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW01	WLCRIL99HCSW01HCSW01	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW02	WLCRIL99HCSW02HCSW02	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW03	WLCRIL99HCSW03CSW03A	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW03	WLCRIL99HCSW03CSW03B	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW04	WLCRIL99HCSW04CSW04A	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW04	WLCRIL99HCSW04CSW04B	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT
HC-SW05	WLCRIL99HCSW05HCSW05	0.1 UT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UT	0.1 UT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-43. Benzene, Toluene, Ethylbenzene, and Xylenes Values Used in Total BTEX Calculations for Surface Water Samples.

	CAS No	71-43-2	108-88-3	100-41-4	179601-23-1	95-47-6	1330-20-7	BTEX
	Chemical Name	**Benzene**	**Toluene**	**Ethylbenzene**	**m,p-Xylene**	**o-Xylene**	**Xylene**	**BTEX**
	Unit	**µg/l**	**µg/l**	**µg/l**	**µg/l**	**µg/l**	**µg/l**	**µg/l**
Location Name	**Sample ID**							
HC-SW01	WLCRIL99HCSW01CSW100	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW01	WLCRIL99HCSW01HCSW01	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW02	WLCRIL99HCSW02HCSW02	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW03	WLCRIL99HCSW03CSW03A	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW03	WLCRIL99HCSW03CSW03B	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW04	WLCRIL99HCSW04CSW04A	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW04	WLCRIL99HCSW04CSW04B	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT
HC-SW05	WLCRIL99HCSW05HCSW05	1 U	1 U	1 U	1 U	1 U	1 UT	1 UT

Notes:
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-44. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Surface Water XAD Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclors
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**								
W005	LW2-W005 C	0.0159 U	0.0102 U	0.0248 U	33.5 NJ	0.0508 U	34.7 NJ	6.98 NJ	75.2 JT
W005	LW2-W005 F	0.0287 U	0.0149 U	0.0199 U	8.27 NJ	0.0396 U	23.8 NJ	44.1 NJ	76.2 JT
W011	LW2-W011 C	0.0135 U	0.0087 U	0.021 U	40.2 NJ	0.0892 U	50.8 NJ	19.9 NJ	111 JT
W011	LW2-W011 F	0.0147 U	0.0076 U	0.0121 U	8.6 NJ	0.0527 U	36.3 NJ	104 NJ	149 JT
W013-1	LW2-W013-1 C	0.0146 U	0.0076 U	0.0106 U	0.0162 U	380 NJ	0.094 U	74.4 NJ	454 JT
W013-1	LW2-W013-1 F	0.0265 U	0.0138 U	0.0333 U	0.0295 U	484 NJ	0.0391 U	2140 NJ	2620 JT
W013-2	LW2-W013-2 C	0.0111 U	0.0052 U	0.0125 U	0.0123 U	349 NJ	0.081 U	45.5 NJ	395 JT
W013-2	LW2-W013-2 F	0.0207 U	0.0107 U	0.0191 U	0.023 U	300 NJ	0.0922 U	1580 NJ	1880 JT
W015	LW2-W015 C	0.0267 U	0.0128 U	0.0245 U	513 NJ	0.0776 U	72.2 NJ	19.2 NJ	604 JT
W015	LW2-W015 F	0.0218 U	0.0054 U	0.0122 U	570 NJ	0.203 U	302 NJ	161 NJ	1030 JT
W016-1	LW2-W016 C	0.0234 U	0.0121 U	0.0148 U	0.026 U	107 NJ	0.0465 U	5.1 NJ	112 JT
W016-1	LW2-W016 F	0.006 U	0.0104 U	0.0253 U	0.0067 U	108 NJ	0.0633 U	98 NJ	206 JT
W018	LW2-W018 C	0.0107 U	0.0068 U	0.0166 U	27.8 NJ	0.0553 U	67.9 NJ	15.4 NJ	111 JT
W018	LW2-W018 F	0.0232 U	0.012 U	0.0201 U	8.5 NJ	0.0944 U	90.8 NJ	152 NJ	251 JT
W023	LW2-W023 C	0.0141 U	0.0082 U	0.0198 U	12.5 NJ	0.073 U	12.7 NJ	2.56 NJ	27.8 JT
W023	LW2-W023 F	0.0182 U	0.0095 U	0.0195 U	5.58 NJ	0.0485 U	53.8 NJ	478 NJ	537 JT
W005	LW2-W2005 C	0.0407 U	0.0211 U	0.0445 U	63 NJ	0.0988 U	49.7 NJ	12 NJ	125 JT
W005	LW2-W2005 F	0.0192 U	0.01 U	0.0137 U	7.56 NJ	0.0998 U	47.3 NJ	90.8 NJ	146 JT
W011	LW2-W2011 C	0.0279 U	0.0145 U	0.0269 U	56.9 NJ	0.0492 U	56.8 NJ	12.7 NJ	126 JT
W011	LW2-W2011 F	0.0211 U	0.0109 U	0.018 U	9.49 NJ	0.0539 U	76.4 NJ	139 NJ	225 JT
W013-1	LW2-W2013-1 C	0.0374 U	0.0166 U	0.0188 U	0.0416 U	1420 NJ	0.589 U	132 NJ	1550 JT
W013-1	LW2-W2013-1 F	0.0298 U	0.0154 U	0.0199 U	0.0331 U	1850 NJ	0.845 U	8100 NJ	9950 JT
W013-2	LW2-W2013-2 C	0.0206 U	0.0107 U	0.0213 U	0.0229 U	364 NJ	0.209 U	62.2 NJ	426 JT
W013-2	LW2-W2013-2 F	0.0231 U	0.012 U	0.021 U	0.0256 U	229 NJ	0.134 U	1070 NJ	1300 JT
W015	LW2-W2015 C	0.02 U	0.0146 U	0.0354 U	72.3 NJ	0.0625 U	65.2 NJ	13.4 NJ	151 JT
W015	LW2-W2015 F	0.0377 U	0.0195 U	0.0214 U	21.1 NJ	0.163 U	93.4 NJ	113 NJ	228 JT
W016-1	LW2-W2016 C	0.0278 U	0.0147 U	0.0358 U	0.0309 U	161 NJ	0.0604 U	9.65 NJ	171 JT
W016-1	LW2-W2016 F	0.0221 U	0.0115 U	0.0185 U	0.0246 U	91.7 NJ	0.0799 U	66.6 NJ	158 JT
W018	LW2-W2018 C	0.0304 U	0.0158 U	0.0267 U	47.4 NJ	0.0937 U	236 NJ	51.7 NJ	335 JT
W018	LW2-W2018 F	0.0265 U	0.0137 U	0.026 U	14 NJ	0.0696 U	331 NJ	527 NJ	872 JT
W023	LW2-W2023 C	0.0152 U	0.0082 U	0.02 U	32.4 NJ	0.0392 U	24.6 NJ	4.33 NJ	61.3 JT
W023	LW2-W2023 F	0.0218 U	0.0113 U	0.0175 U	4.12 NJ	0.0868 U	21.9 NJ	23.5 NJ	49.5 JT
W005	LW2-W3005 C	0.108 U	0.0562 U	0.0906 U	72.6 NJ	0.132 U	76.4 NJ	20 NJ	169 JT
W005	LW2-W3005 F	0.206 U	0.107 U	0.0412 U	15.4 NJ	0.0655 U	62.6 NJ	129 NJ	207 JT
W011	LW2-W3011 C	0.141 U	0.0731 U	0.0751 U	61.5 NJ	0.124 U	80.9 NJ	20.1 NJ	163 JT
W011	LW2-W3011 F	0.211 U	0.109 U	0.0376 U	13.1 NJ	0.0864 U	59.3 NJ	118 NJ	190 JT
W013-1	LW2-W3013-1 C	0.17 U	0.0881 U	0.0492 U	0.189 U	1190 NJ	0.213 U	246 NJ	1440 JT
W013-1	LW2-W3013-1 F	0.108 U	0.0558 U	0.031 U	0.119 U	1300 NJ	0.687 U	4360 NJ	5660 JT
W013-2	LW2-W3013-2 C	0.137 U	0.071 U	0.064 U	0.152 U	1270 NJ	0.27 U	333 NJ	1600 JT
W015	LW2-W3015 C	0.481 U	0.249 U	0.185 U	122 NJ	0.505 U	99.2 NJ	19.9 NJ	241 JT
W015	LW2-W3015 F	0.153 U	0.0795 U	0.0552 U	38.3 NJ	0.19 U	145 NJ	148 NJ	331 JT
W016-1	LW2-W3016 C	0.101 U	0.0525 U	0.0749 U	0.113 U	492 NJ	0.102 U	24.3 NJ	516 JT
W016-1	LW2-W3016 F	0.128 U	0.0662 U	0.0309 U	0.142 U	495 NJ	0.137 U	152 NJ	647 JT
W018	LW2-W3018 C	0.132 U	0.0685 U	0.0574 U	65.8 NJ	0.179 U	180 NJ	43.1 NJ	289 JT
W018	LW2-W3018 F	0.0954 U	0.0495 U	0.0228 U	4.64 NJ	0.0478 U	113 NJ	197 NJ	315 JT
W023	LW2-W3023 C	0.211 U	0.11 U	0.0989 U	36.2 NJ	0.146 U	71.2 NJ	12.6 NJ	120 JT
W023	LW2-W3023 F	0.19 U	0.0987 U	0.0375 U	7.3 NJ	0.0548 U	38.4 NJ	57.1 NJ	103 JT
W005	LW3-W1005 C	0.255 U	0.132 U	0.0629 U	33.9 NJ	0.0439 U	26.5 NJ	6.41 NJ	66.8 JT
W005	LW3-W1005 F	0.0883 U	0.0458 U	0.0527 U	15.3 NJ	0.166 U	50.4 NJ	43 NJ	109 JT
W023	LW3-W1023 C	0.0154 U	0.0109 U	0.0265 U	26.2 NJ	0.0451 U	23.5 NJ	5.35 U	49.7 JT
W023	LW3-W1023 F	0.158 U	0.082 U	0.0918 U	14.4 NJ	0.115 U	50.4 NJ	37.4 NJ	102 JT
W024	LW3-W1024 C	0.314 U	0.163 U	0.0724 U	25.1 NJ	0.0586 U	18.8 NJ	5.45 U	43.9 JT
W024	LW3-W1024 F	0.0824 U	0.0427 U	0.0272 U	8.66 NJ	0.0555 U	29.8 NJ	22.8 NJ	61.3 JT

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

BZTO104(e)028907

Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	16605-91-7	25569-80-6	33284-50-3	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	37680-66-3	PCB018_030	38444-73-4	PCB020_028	PCB021_033	38444-85-8	55720-44-0
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB005	PCB006	PCB007	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB017	PCB018 & 030	PCB019	PCB020 & 028	PCB021 & 033	PCB022	PCB023
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																						
W005	LW2-W005 C	0.525	0.133	0.22	9.19	0.0344	0.461	0.0958 U	1.8	0.135	0.364	6.95	0.222	0.0301 U	1.07	1.17	2.79	2.83	9.81	3.52	1.29	1.15	0.00618 U
W005	LW2-W005 F	0.05	0.0583	0.0681	0.504	0.0118 U	0.065	0.011 U	0.275	0.018 J	0.0235 J	2.26	0.0857	0.0305 U	0.542	0.164	0.364	0.372	0.943	1.23	0.44	0.347	0.002 J
W011	LW2-W011 C	0.689	0.223	0.36	15.1	0.0493	0.545	0.121	2.12	0.156	0.615	8.44	0.268	0.0254 U	1.28	1.5	4.69	3.73	19.4	4.04	1.51	1.28	0.0088 J
W011	LW2-W011 F	0.056	0.0552	0.0807	0.836	0.00605 U	0.0655	0.014 J	0.252	0.0151 J	0.0394	2.43	0.0707	0.0302 U	0.478	0.153	0.571	0.42	1.73	1.26	0.424	0.337	0.00193 U
W013-1	LW2-W013-1 C	0.917	0.221	0.387	87.2	0.0293	0.581	0.165	1.53	0.207	4.71	3.59	0.496	0.0309 U	1.43	1.05	18.6	4.21	139	3.34	1.57	0.74	0.0213 J
W013-1	LW2-W013-1 F	0.222	0.0956	0.394	13.8	0.0109 U	0.143	0.0467	0.333	0.0417	0.694	2.1	0.474	0.0302 U	1.86	0.181	8.14	1.19	40.8	1.9	1.01	0.228	0.0123 J
W013-2	LW2-W013-2 C	0.838	0.184	0.34	81.4	0.0254	0.549	0.161	1.39	0.192	4.46	2.95	0.433	0.0301 U	1.29	0.886	16.9	3.71	127	2.9	1.36	0.647	0.0214 J
W013-2	LW2-W013-2 F	0.169	0.0532	0.301	10.5	0.0346 U	0.118	0.035	0.274	0.0349	0.627	1.66	0.386	0.0301 U	1.59	0.157	5.2	0.86	28.7	1.5	0.727	0.205	0.006 J
W015	LW2-W015 C	1.83	0.357	1.1	17.1	0.907	8.03	1.44	39	2.52	0.699	9.61	2.6	0.0253 U	17.9	21.7	20.9	42.6	8.51	46.2	28.5	19.6	0.0795
W015	LW2-W015 F	0.161	0.131	0.273	2.47	0.155	2.18	0.358	11.1	0.607	0.0882	4.18	1.72	0.0076 J	15	14.3	17	30.3	2.91	80.6	42.6	28.8	0.0883
W016-1	LW2-W016 C	0.544	0.165	0.247	4.07	0.0309	0.39	0.0745 U	1.51	0.101	0.131	5.16	0.226	0.0303 U	1.2	1.56	1.88	3.59	2.48	5.3	1.82	1.74	0.0053 J
W016-1	LW2-W016 F	0.0426 U	0.059	0.0639	0.245	0.0699 U	0.0802	0.0139 J	0.327	0.0188 J	0.0099 J	1.99	0.0736 J	0.0608 U	0.64	0.38	0.487	0.898	0.299	3.17 U	0.813	0.775	0.0034 J
W018	LW2-W018 C	0.724	0.262	0.361	4.76	0.042	0.365	0.0849 U	1.37	0.114	0.166	3.88	0.179	0.017 U	0.986	0.965	1.72	2.27	4.03	3.11	0.931	0.888	0.00411 U
W018	LW2-W018 F	0.109	0.0893	0.144	0.199	0.00953 U	0.0714	0.0178 J	0.281	0.0196 J	0.0114 J	2.32	0.0929	0.03 U	0.525	0.11	0.291	0.312	0.368	1.36	0.372	0.286	0.0043 U
W023	LW2-W023 C	0.29	0.132	0.201	2.67	0.0174 J	0.167	0.0426 U	0.667	0.0555	0.0802	3.3	0.0926	0.0111 U	0.384	0.435	0.708	0.982	2.07	1.31	0.477	0.438	0.00407 U
W023	LW2-W023 F	0.046	0.0842	0.0854	0.223	0.0348 U	0.0404	0.0082 J	0.175	0.013 J	0.009 J	2.42	0.054	0.0303 U	0.317	0.0815	0.255	0.221	0.496	0.854	0.246	0.198	0.00218 U
W005	LW2-W2005 C	0.481	0.207	0.264	15.2	0.0407	0.509	0.139 U	1.83	0.173	0.633	19.7	0.425	0.0303 U	1.88	2.27	5.67	6.4	16.2	6.97	1.97	1.89	0.0231 U
W005	LW2-W2005 F	0.0538 U	0.0756 U	0.0939 U	0.36	0.0351 U	0.0573	0.0178 J	0.224	0.0169 J	0.0276	2.5	0.0878	0.0305 U	0.54	0.145	0.29	0.318	1.11	1.23	0.347	0.267	0.0233 U
W011	LW2-W2011 C	0.845	0.263	0.375	17.8	0.0542	0.69	0.16 U	2.35	0.228	0.715	17.2	0.41	0.0167 J	1.71	1.88	5.33	5.67	17.3	5.78	1.64	1.6	0.0104 J
W011	LW2-W2011 F	0.0602 U	0.0773	0.108 U	0.503	0.0343 U	0.0665	0.0168 U	0.256	0.0209 J	0.0414	2.43	0.0946	0.0298 U	0.589	0.171	0.474	0.408	2.08	1.49	0.445	0.345	0.0228 U
W013-1	LW2-W2013-1 C	2.44	0.383	0.781	332	0.065	1.95	0.637	3.8	0.737	17.5	13.3	2.2	0.0271 U	3.95	2.61	85.5	16	564	9.09	4.31	1.28	0.102
W013-1	LW2-W2013-1 F	0.689	0.103	1.08	31.6	0.0309 U	0.355	0.116	0.612	0.109	2.78	1.75	1.5	0.0269 U	5.02	0.402	20.9	3.08	183	3.71	3.02	0.166	0.0157 J
W013-2	LW2-W2013-2 C	1.02	0.378	0.463	76.1	0.0506	0.77	0.25	2.21	0.254	4.79	12.6	0.965	0.0623 U	1.8	1.71	17	5.14	130	4.57	1.87	1.14	0.0299
W013-2	LW2-W2013-2 F	0.187	0.0633 U	0.327	4.7	0.0347 U	0.0967	0.0471	0.219	0.0257	0.516	2.3	0.361	0.0302 U	1.28	0.125	2.98	0.572	25	1.19	0.544	0.157	0.023 U
W015	LW2-W2015 C	0.624	0.182	0.403	11.2	0.0422	0.452	0.114 U	1.66	0.142	0.364	21	0.442	0.0303 U	2.46	2.93	4.18	7.1	8.75	8.61	2.08	2.51	0.0136 J
W015	LW2-W2015 F	0.0693 U	0.0834	0.123 U	0.231	0.0356 U	0.0966	0.0237 J	0.377	0.0282	0.015 J	3.34	0.136	0.031 U	0.902	0.41	0.628	0.925	6.54	3.51	0.804	0.804	0.0059 U
W016-1	LW2-W2016 C	0.536	0.293	0.371	13.6	0.0315	0.467	0.0964 U	1.45	0.135	0.457	19.7	0.521	0.0301 U	2.28	3.55	5.02	8.08	11.4	9.96	1.92	2.6	0.0123 J
W016-1	LW2-W2016 F	0.114	0.104	0.179	0.168	0.0344 U	0.101	0.0257	0.316	0.0216 J	0.0126 U	2.71	0.118	0.0299 U	0.679	0.25	0.339	0.569	0.617	2.52	0.565	0.484	0.0228 U
W018	LW2-W2018 C	0.849	0.214	0.396	10.1	0.0369	0.462	0.141 U	1.53	0.164	0.383	9.8	0.343	0.0301 U	1.68	1.74	5.13	4.18	12.8	5.84	2.19	1.22	0.023 U
W018	LW2-W2018 F	0.98	2.43	1.24	0.884	0.0122 U	0.607	0.0751	0.669	0.241	0.027	8.93	0.542	0.0243	0.957	0.186	0.94	1.22	1.43	1.68	0.762	0.306	0.023 U
W023	LW2-W2023 C	0.814	0.351	0.492	7.24	0.0462	0.373	0.116 U	1.56	0.123	0.259	14.7	0.316	0.0189 U	1.09	1.16	2.14	3.01	4.16	3.37	0.856	0.983	0.0098 J
W023	LW2-W2023 F	0.048 U	0.134	0.114	0.147	0.0352 U	0.0272	0.0116 U	0.125	0.0105 J	0.0435 U	4.37	0.0904	0.0214 J	0.245	0.0754 U	0.188	0.173	0.529	0.648	0.173	0.148	0.0234 U
W005	LW2-W3005 C	0.772	0.238	0.32	18.8	0.0682	0.837	0.167 U	3.22	0.238	0.73	14.1	0.363 U	0.042 U	2.15	3.02	5.8	6.55	21.3	7.99	2.89	2.5	0.0232 U
W005	LW2-W3005 F	0.0364 U	0.887	0.0975 U	0.237 U	0.0832 U	0.0805 U	0.685 U	0.286	0.0802 U	0.084 U	3.66	0.134	0.0797 U	0.683	0.276	0.53	0.709	0.9	2.48	0.633	0.518	0.0234 U
W011	LW2-W3011 C	0.735	0.215	0.287	18.2	0.0642 U	0.79	0.134	2.8	0.195	0.617	14.5	0.355	0.0547 U	1.87	2.46	4.97	5.5	18.9	6.8	2.37	2.11	0.0232 U
W011	LW2-W3011 F	0.0442 U	0.0743	0.0818	0.264	0.0852 U	0.104 U	0.681 U	0.266	0.0821 U	0.086 U	1.95	0.0866 U	0.0816 U	0.544	0.213	0.487	0.64	0.838	2.07	0.502	0.381	0.0232 U
W013-1	LW2-W3013-1 C	1.78	0.457	0.853	198	0.0714 U	1.6	0.328	3.54	0.455	11.4	20.8	1.35	0.0685 U	3.95	3.58	48	13.2	393	11	5.78	2.62	0.0426 U
W013-1	LW2-W3013-1 F	0.381	0.215	0.802	14.3	0.0435 U	0.226	0.0816	0.447	0.0671	1.09	2.67	0.723	0.0432 U	3.15	0.505	11.6	2.81	61.1	4.16	1.85	0.521	0.0125 J
W013-2	LW2-W3013-2 C	1.4	0.49	1.15	135	0.0575 U	1.14	0.286	2.56	0.313	7.9	20	1.09	0.0552 U	3.05	2.48	40.7	10.2	317	8.65	4.81	1.83	0.0408
W015	LW2-W3015 C	0.836	0.23	0.42	21.2	0.202 U	1.34	0.246	4.52	0.29	0.834	30.2	0.65 U	0.194 U	3.52	5.03	7.44	10.7	19.6	14.1	5.17	4.98	0.0397 U
W015	LW2-W3015 F	0.0675	0.0758	0.101	0.703	0.062 U	0.181 U	0.678 U	0.683	0.0581 U	0.0586 U	4.06	0.156	0.0617 U	1.23	0.921	1.59	2.19	1.74	5.71	1.71	1.51	0.00702 J
W016-1	LW2-W3016 C	1.04	0.365	0.622	21.2	0.0794 U	1.51	0.228	4.65	0.306	0.716	22.7	0.644 U	0.0408 U	3.56	5.83	8.44	14.1	20.8	21.2	6.18	6.38	0.0188 J
W016-1	LW2-W3016 F	0.19	0.134	0.237	0.656	0.0516 U	0.276	0.0683 U	0.829	0.0498	0.0488 U	3.02	0.273	0.0513 U	1.76	1.34	1.84	3.8	1.54	11	2.26	2.51	0.0083 U
W018	LW2-W3018 C	2.96	0.3	0.686	27.2	0.0657 U	0.939	0.202	3.06	0.244	0.984	13.8	0.393 U	0.0533 U	2.58	2.18	6.19	5.48	24.5	7.75	1.97	1.88	0.0231 U
W018	LW2-W3018 F	0.0597	0.0471 U	0.0792	0.136 U	0.0386 U	0.0376 U	0.676 U	0.138 U	0.0361 U	0.0429 U	1.06	0.0605 U	0.0384 U	0.346	0.0897	0.214	0.229	0.485	0.806	0.203	0.157	0.00377 U
W023	LW2-W3023 C	0.696	0.243	0.313	13.1	0.0854 U	0.487	0.0977	1.65	0.136 U	0.441	15.8	0.298 U	0.082 U	1.17	1.39	3.27	3.06	13.2	4.1	1.2	1.23	0.0232 U
W023	LW2-W3023 F	0.0431	0.0705	0.0664 U	0.422	0.0769 U	0.0958 U	0.683 U	0.175	0.0741 U	0.0776 U	1.99	0.076 U	0.0736 U	0.32	0.0992	0.416	0.342	1.08	1.11	0.28	0.223	0.0233 U
W005	LW3-W1005 C	0.625 U	0.265 J	0.366 U	2.7 U	0.443 U	0.476 U	0.116 U	1.9 U	0.377 U	0.547 U	1.97 U	0.217 U	0.385 U	0.698 U	1.23 U	1.89	3.29	1.31	3.42	1.2	0.967	0.294 U
W005	LW3-W1005 F	0.092 J	0.114	0.168	0.3	0.162 U	0.106 J	3.16 U	0.377	0.138 U	0.2 U	1.77	0.174 J	0.141 U	0.556	0.318	0.452	0.793	0.234	2.23	0.725	0.562	0.108 U
W023	LW3-W1023 C	0.529 U	0.218 U	0.316 U	1.84	0.031 J	0.354	0.11 U	1.31	0.094	0.066	2.1	0.258	0.041 U	0.686 U	0.744	1.13	2.06	0.574	2.99	0.875	0.863	0.009 J
W023	LW3-W1023 F	0.093 U	0.161 J	0.244 J	0.195 J	0.473 U	0.092 U	9.19 U	0.341	0.402 U	0.583 U	2.06 U	0.211 J	0.411 U	0.532	0.255 U	0.359	0.772	0.108 U	2.18	0.627 J	0.561	0.314 U
W024	LW3-W1024 C	0.559 U	0.25 U	0.411 U	1.5 U	0.471 U	0.373 U	9.16 U	1.35 U	0.401 U	0.581 U	1.83 U	0.578 U	0.41 U	0.543 U	0.955 U	1.19	2.48	0.505	2.61	0.79 U	0.782	0.313 U
W024	LW3-W1024 F	0.077 J	0.132	0.308	0.138	0.142 U	0.065 U	2.76 U	0.247	0.121 U	0.175 U	2.92 U	0.266	0.123 U	0.408	0.163	0.228	0.411	0.064 J	1.27	0.366	0.365	0.0942 U

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Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	55702-45-9	55712-37-3	PCB026_029	38444-76-7	16606-02-3	38444-77-8	37680-68-5	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1	PCB040_041_071	36559-22-5	70362-46-8	PCB044_047_065	PCB045_051	41464-47-5	70362-47-9	PCB049_069	PCB050_053	35693-99-3
	Chemical Name	PCB024	PCB025	PCB026 & 029	PCB027	PCB031	PCB032	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039	PCB040 & 041 & 071	PCB042	PCB043	PCB044 & 047 & 065	PCB045 & 051	PCB046	PCB048	PCB049 & 069	PCB050 & 053	PCB052
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																						
W005	LW2-W005 C	0.0458	0.411	0.77	0.929	3.03	1.51	0.0205 J	0.0729	0.0136 J	0.705	0.00586 U	0.0381	2.08	0.891	0.209	6.38	2.16	0.314	0.627	3.57	2.55	6.51
W005	LW2-W005 F	0.0051 J	0.113	0.203	0.125	0.881	0.194	0.0066 J	0.045	0.0071 J	0.523	0.0047 J	0.0129 J	0.639	0.286	0.0474	1.98	0.459	0.0645	0.173	0.987	0.448	1.61
W011	LW2-W011 C	0.0603	0.587	1.01	1.86	3.53	2.11	0.028	0.0976	0.0153 J	0.738	0.0221 J	0.0365	2.58	1.06	0.361	11.5	4.63	0.511	0.762	5.49	5.31	9.37
W011	LW2-W011 F	0.0033 J	0.148	0.243	0.219	0.937	0.265	0.0061 J	0.0473	0.0055 J	0.488	0.006 J	0.0144 J	0.761	0.327	0.0725	3.52	0.837	0.0884	0.2	1.46	0.784	2.15
W013-1	LW2-W013-1 C	0.0311 U	1.65	1.78	10.9	2.39	5.99	0.0523	0.0663	0.0158 U	0.45	0.0606	0.0404	3.92	1.13	1.59	45.7	20.6	1.24	0.818	14.8	20.9	18.3
W013-1	LW2-W013-1 F	0.0303 U	1.3	1.15	4.78	0.997	2.3	0.0329	0.0462	0.00549 U	0.37	0.0606	0.0305	3.44	0.932	1.51	60.7	16.4	0.764	0.631	16.4	14.6	15.5
W013-2	LW2-W013-2 C	0.0302 U	1.44	1.59	9.87	2.08	5.9	0.0461	0.0451	0.0154 U	0.388	0.0492	0.0387	3.39	0.989	1.31	42.4	18	1.1	0.721	13.2	18.1	16.3
W013-2	LW2-W013-2 F	0.0302 U	0.848	0.75	3.38	0.835	1.64	0.0222 J	0.0364	0.0043 J	0.361	0.0496	0.0243	2.4	0.648	0.957	37.1	11.5	0.516	0.413	10.4	9.82	10.6
W015	LW2-W015 C	0.799	3.62	9.25	3.28	43.2	16	0.159	0.647	0.00992 U	9.56	0.0386	0.225	15.4	6.74	1.11	24.4	7.09	2.51	5.74	13.9	5.63	26.7
W015	LW2-W015 F	0.457	5.5	12.8	2.37	67.9	12.3	0.237	1.57	0.0112 J	26.1	0.0712	0.526	41.5	18.8	2.96	59.7	12.6	4.21	17.2	36.1	8.06	56.2
W016-1	LW2-W016 C	0.0479	0.444	0.901	0.436	4.3	1.83	0.0285	0.0929	0.0082 J	1.14	0.0162 J	0.0598	4.43	2.03	0.295	8.03	1.86	0.598	1.27	4.74	1.78	9.42
W016-1	LW2-W016 F	0.0611 U	0.231	0.406	0.112	2.11	0.461	0.0129 J	0.0642	0.0065 J	1.12	0.006 J	0.0348 J	3.53	1.69	0.208	6.48	1.03	0.332	0.899	3.79	0.883	6.82
W018	LW2-W018 C	0.0358	0.342	0.6	0.486	2.51	1.27	0.0177 J	0.0744	0.0149 J	0.562	0.0112 J	0.0327	2.26	0.916	0.119	7.09	2.35	0.357	0.458	4.48	2.4	8.33
W018	LW2-W018 F	0.0057 J	0.144	0.214	0.0931	0.882	0.247	0.0075 J	0.0582	0.0083 J	0.479	0.008 J	0.0184 J	1.11	0.445	0.0451	4.07	0.951	0.112	0.157	2.43	0.822	4.25
W023	LW2-W023 C	0.0165 J	0.124	0.263	0.183	1.19	0.389	0.0067 J	0.0373	0.006 J	0.251	0.006 U	0.0185 J	0.661	0.267	0.033 U	1.55	0.425	0.0857	0.182	0.975	0.568	2.05
W023	LW2-W023 F	0.0304 U	0.0872	0.148	0.0763	0.611	0.125	0.004 J	0.042	0.006 J	0.357	0.0047 J	0.0087 J	0.512	0.214	0.0281	1.5	0.328	0.0495	0.131	1.01	0.466	2.46
W005	LW2-W2005 C	0.0803	0.818	1.52	1.96	5.8	3.07	0.043	0.137	0.0403	1.05	0.0358	0.0712 U	3.95	1.68	0.44	12.1	4.42	0.685	1.27	6.78	5.3	11.8
W005	LW2-W2005 F	0.0095 J	0.113	0.191	0.158	0.746	0.157	0.0056 U	0.0486	0.0094 U	0.58	0.0222 J	0.015 J	1.05	0.477	0.0926	3.32	0.682	0.115	0.289	1.62	0.702	2.59
W011	LW2-W2011 C	0.0756	0.754	1.41	1.73	5.15	2.87	0.0421	0.134	0.0465	0.865	0.0269	0.0609 U	3.59	1.51	0.373	11.2	4.1	0.594	1.16	6.9	5.44	12.2
W011	LW2-W2011 F	0.0083 J	0.177	0.275	0.271	1.01	0.281	0.007 J	0.0654	0.0155 J	0.629	0.0103 U	0.0185 U	1.29	0.542	0.128	4.77	1.19	0.138	0.314	2.23	1.24	3.26
W013-1	LW2-W2013-1 C	0.0273 U	6.57	7.49	47.3	5.61	25.2	0.231	0.104	0.0149 U	0.753	0.286	0.108 U	12.2	3.36	5.78	172	83.8	4.92	2.55	56.8	91.3	67.2
W013-1	LW2-W2013-1 F	0.027 U	3.91	2.87	19.9	1.39	6.25	0.0543	0.0518	0.0137 U	0.536	0.434	0.103	13.7	3.48	6.74	234	67.4	3.45	2.12	65	61.6	69.4
W013-2	LW2-W2013-2 C	0.0303 U	1.94	2.09	9.94	3.71	6.48	0.0704	0.119	0.0216 J	0.666	0.115	0.0547 U	4.8	1.52	1.69	42.2	20	1.43	1.07	14.9	24.5	19.6
W013-2	LW2-W2013-2 F	0.0303 U	0.585	0.548	2.64	0.612	0.966	0.0143 J	0.0609	0.0124 J	0.357	0.0623	0.0267	2.19	0.651	0.86	27.6	7.96	0.468	0.397	8.15	7.38	9.03
W015	LW2-W2015 C	0.129	0.792	1.58	1.13	6.72	3.56	0.0442	0.207	0.0685	1.61	0.0184 J	0.0847 U	6.35	2.84	0.415	11.9	3.54	1.07	1.8	7.29	4.02	14.2
W015	LW2-W2015 F	0.0181 J	0.253	0.494	0.17	2.23	0.48	0.0143 J	0.122	0.0314	1.29	0.0168 J	0.0488 U	3.52	1.69	0.25	6.47	1.22	0.344	0.963	4.05	1.14	7.21
W016-1	LW2-W2016 C	0.0988	1.03	2.05	1.32	7.93	3.76	0.0547	0.181	0.0695	1.42	0.0303	0.0847 U	5.9	2.7	0.463	12.5	3.8	1	1.84	7.76	4.4	14.8
W016-1	LW2-W2016 F	0.0151 U	0.254	0.383	0.145	1.38	0.292	0.0096 U	0.07	0.0172 J	0.988	0.0135 U	0.0404	3	1.43	0.212	5.76	1.02	0.316	0.767	3.38	0.974	6.09
W018	LW2-W2018 C	0.0745	1.14	1.28	1.6	4.25	3.94	0.0471	0.13	0.0404	1	0.0368	0.0836 U	8.13	2.4	0.34	34.8	17.2	1.09	1.15	20.7	14.4	27.7
W018	LW2-W2018 F	0.0095 J	0.383	0.873	0.335	1.11	0.439	0.0375	0.137	0.0474	0.763	0.04 U	0.0553	3.52	1.12	0.155	15	5.84	0.351	0.396	8.22	4.35	13.9
W023	LW2-W2023 C	0.0476	0.339	0.694	0.537	2.86	1.23	0.0261	0.102	0.0266	0.561	0.0179 J	0.0547 U	1.67	0.745	0.126	3.79	1.08	0.279	0.553	2.45	1.57	5.01
W023	LW2-W2023 F	0.0044 J	0.0641	0.115	0.0696	0.428	0.0897	0.0029 U	0.0549	0.0091 J	0.278	0.0952	0.0075 J	0.522	0.234	0.0327	1.32	0.296	0.0554	0.133	0.874	0.43	1.5
W005	LW2-W3005 C	0.147	0.895	1.77	1.85	6.44	2.99	0.0522	0.142	0.0329 U	1.44	0.0169 J	0.0591	5.25	2.3	0.433	14	5.16	0.907	1.51	8.18	5.97	14
W005	LW2-W3005 F	0.0227 J	0.221	0.399	0.196	1.66	0.308	0.0102 J	0.0675	0.0116 J	0.887	0.0742	0.0205 J	1.62	0.752	0.133	4.43	1.16	0.21	0.472	2.62	1.18	4.21
W011	LW2-W3011 C	0.12	0.753	1.47	1.45	5.39	2.55	0.0554	0.141	0.0392 U	1.26	0.024 U	0.059	4.74	2.05	0.349	12.3	4.2	0.772	1.33	7.63	5.37	13.1
W011	LW2-W3011 F	0.0109 U	0.206	0.337	0.163	1.39	0.25	0.00966 U	0.0496	0.0134 J	0.694	0.00967 U	0.0197 J	1.26	0.618	0.104	3.74	0.98	0.169	0.397	2.5	1.15	3.98
W013-1	LW2-W3013-1 C	0.0308 U	5.54	6	33	7.81	16.5	0.158	0.183	0.048 U	1.48	0.165	0.113 U	17	4.52	3.99	139	73.2	5.68	2.55	49.7	80	56.7
W013-1	LW2-W3013-1 F	0.0305 U	2.31	2.1	8.36	2.2	2.64	0.049	0.0945	0.0155 U	0.986	0.0926	0.0575	13.8	3.64	4.02	157	48.8	2.8	1.9	48.2	42.8	45
W013-2	LW2-W3013-2 C	0.0301 U	5.07	5.05	28.3	5.79	14.4	0.131	0.158 U	0.0161 U	1.11	0.202	0.0989 U	15.5	4.08	4.47	151	71.5	4.91	2.31	51.7	73.2	56.5
W015	LW2-W3015 C	0.259	1.36	2.77	1.98	11.3	4.87	0.0892 U	0.329	0.0705 U	2.73	0.0403 U	0.131	9.52	4.27	0.646	18.8	5.89	1.51	2.69	11.1	6.22	19.2
W015	LW2-W3015 F	0.0431	0.503	0.96	0.355	4.17	0.721	0.0314	0.17	0.0466	1.91	0.0147 U	0.0577	5.68	2.81	0.441	11.8	2.67	0.617	1.8	7.94	2.76	12.9
W016-1	LW2-W3016 C	0.263	2.06	3.81	2.13	16.7	6.99	0.158	0.293	0.062	3.28	0.0512	0.234	20.5	9.16	1.29	36.9	8.94	2.82	5.29	21.1	8.7	37.4
W016-1	LW2-W3016 F	0.0517	0.993	1.54	0.405	7.31	1.21	0.0665	0.187	0.0296 U	3.14	0.0272	0.152	16.9	8.51	1.17	30.4	4.81	1.55	4.5	18.5	4.07	29.4
W018	LW2-W3018 C	0.121	1.11	1.81	1.89	5.65	4.15	0.0532	0.168	0.0384 U	1.3	0.0264 U	0.137	6.49	2.69	0.311	20.8	7.32	1.29	1.22	14	9.27	27.1
W018	LW2-W3018 F	0.00699 J	0.0962	0.135	0.0826	0.513	0.139	0.0041 U	0.0368 U	0.00682 J	0.348	0.0239 U	0.0108 U	1.09	0.483	0.0509	3.84	0.843	0.134	0.189	2.4	0.95	4.69
W023	LW2-W3023 C	0.0305 U	0.518	0.975	0.95	3.27	1.6	0.0327 U	0.125 U	0.0383 U	0.796	0.024 U	0.0456 U	3.3	1.5	0.251	8.63	2.81	0.547	0.871	5.74	4.17	10.7
W023	LW2-W3023 F	0.00644 U	0.145	0.224	0.138	0.801	0.177	0.00856 J	0.0424	0.0147 J	0.389	0.00631 U	0.0156 U	0.748	0.329	0.045	2.42	0.728	0.0906	0.189	1.76	1.06	2.81
W005	LW3-W1005 C	0.057 U	0.346 U	0.665	0.371	2.7	1.01	0.04 U	0.053 U	0.197 U	0.422	0.304 U	0.05 U	1.68	0.848	0.14	4.16	0.872	0.24	0.632	2.78	0.863	5
W005	LW3-W1005 F	0.142 U	0.192	0.346	0.088 J	1.71	0.255	0.02 J	0.063 J	0.012 J	0.775	0.112 U	0.026 U	1.38	0.784	0.082 J	3.06	0.459	0.128	0.443	2.19	0.458	3.5
W023	LW3-W1023 C	0.032 J	0.263	0.58	0.203	2.37	0.791	0.03 J	0.079	0.01 J	0.363	0.005 U	0.04 U	1.44	0.731	0.12	3.26	0.62	0.21	0.555	2.2	0.556	4.13
W023	LW3-W1023 F	0.413 U	0.185 J	0.344 J	0.045 J	1.52	0.224 J	0.541 U	0.31 U	0.21 U	0.777	0.325 U	0.24 U	1.34	0.822	0.096 J	2.95	0.373	0.117	0.46	2.14	0.311	3.56
W024	LW3-W1024 C	0.044 J	0.23 U	0.48 J	0.267 J	1.92	0.78	0.03 U	0.074 U	0.21 U	0.349	0.324 U	0.036 U	1.24	0.611	0.115	2.78	0.586	0.196	0.503	1.82	0.504	3.47
W024	LW3-W1024 F	0.006 U	0.1	0.199	0.037 J	0.956	0.132	0.011 U	0.053 U	0.014 U	0.482	0.0974 U	0.015 J	0.779	0.46	0.051 U	1.67	0.193 J	0.077 J	0.269	1.19	0.174 J	2.09

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Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	15968-05-5	74338-24-2	41464-43-1	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070_074_	74472-34-7	52663-58-8	32598-10-0	73575-53-8	73575-52-7	41464-42-0	74338-23-1	32598-13-3	70362-49-1	41464-48-6	33284-52-5	70362-50-4	52663-62-4	PCB083_099
	Chemical Name	PCB054	PCB055	PCB056	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070 & 074 & 076	PCB063	PCB064	PCB066	PCB067	PCB068	PCB072	PCB073	PCB077	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083 & 099
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																						
W005	LW2-W005 C	1.21	0.0303	1.02	0.0288	0.0111 J	0.477	0.481	4.2	0.112	1.41	2.17	0.1	0.0444	0.104	0.164	0.15	0.0313 U	0.0481 U	0.0404 U	0.00825 U	0.296	2.15
W005	LW2-W005 F	0.213	0.0113 J	0.592	0.0117 J	0.0061 U	0.135	0.253	2.24	0.0449	0.457	1.43	0.0434	0.0247	0.0455	0.035	0.186	0.0317 U	0.0303	0.041 U	0.00609 U	0.259	1.5
W011	LW2-W011 C	2.55	0.0314	1.09	0.0563	0.127 U	0.8	0.51	4.64	0.134	1.65	2.32	0.103	0.0913	0.15 U	0.33	0.171	0.0317 U	0.0593	0.041 U	0.0157 U	0.377	3.34
W011	LW2-W011 F	0.42	0.019 J	0.643	0.0261	0.126 U	0.216	0.301	2.5	0.0582	0.524	1.62	0.0583	0.0417	0.0343	0.0769	0.219	0.0314 U	0.0372	0.0406 U	0.0083 U	0.312	2.45
W013-1	LW2-W013-1 C	17.6	0.0355 U	0.673	0.367	0.129 U	3.31	0.309	3.56	0.198	1.11	1.91	0.337	0.423	0.323	2.4	0.123	0.0322 U	0.0964	0.0415 U	0.0098 U	0.327	8.46
W013-1	LW2-W013-1 F	11.5	0.0347 U	0.485	0.63	0.126 U	3.48	0.215	3.1	0.29	0.512	2.23	0.741	0.774	0.357	2.47	0.184	0.0314 U	0.223	0.0406 U	0.0135 U	0.562	26.5
W013-2	LW2-W013-2 C	15.7	0.0346 U	0.58	0.326	0.125 U	2.99	0.279	2.99	0.185	0.96	1.59	0.28	0.383	0.296	2.13	0.1	0.0313 U	0.0732	0.0404 U	0.00727 U	0.27	7.02
W013-2	LW2-W013-2 F	7.37	0.0121 U	0.467	0.43	0.125 U	2.31	0.203	2.64	0.183	0.43	1.76	0.493	0.502	0.24	1.57	0.169	0.0313 U	0.167	0.0404 U	0.0117 U	0.502	17.5
W015	LW2-W015 C	0.385	0.263	6.22	0.0903	0.0397	2.43	3.09	21.1	0.588	10.4	11.4	0.506	0.0506	0.179 U	0.0987	0.745	0.0316 U	0.0947	0.0408 U	0.0363	0.951	4
W015	LW2-W015 F	0.183	1.07	21.5	0.383	0.102	6.5	13	82.2	2.35	29.4	47.2	2.24	0.137	0.276	0.0641 U	4.34	0.0337 U	0.252	0.0409 U	0.212	5.05	16.1
W016-1	LW2-W016 C	0.225	0.0705	2.6	0.0212 J	0.0174 J	0.654	1.11	7.72	0.201	3.24	4.82	0.13	0.0338	0.136 U	0.0378	0.313	0.0315 U	0.056	0.0407 U	0.011 U	0.55	2.32
W016-1	LW2-W016 F	0.0608	0.0729	3.4	0.0233 J	0.0205 J	0.512	1.63	9.77	0.251	2.85	7.42	0.139	0.0341 J	0.0525	0.128 U	0.824	0.0633 U	0.0772	0.0817 U	0.0358 J	1.07	4.18
W018	LW2-W018 C	0.543	0.0234 J	0.953	0.0124 J	0.0217 J	0.35	0.397	5.16	0.118	1.46	2.53	0.0741	0.0751	0.178	0.0987	0.193	0.0316 U	0.1	0.0408 U	0.0178 U	0.535	4.31
W018	LW2-W018 F	0.133	0.0226 J	0.77	0.0149 U	0.0146 U	0.169	0.27	4.43	0.0865	0.705	2.62	0.0578	0.0756	0.0838	0.0567	0.32	0.0312 U	0.134	0.0403 U	0.0143 U	0.732	6.02
W023	LW2-W023 C	0.2	0.0357 U	0.355	0.0667 U	0.129 U	0.104	0.181	1.65	0.0375	0.487	0.749	0.0227 U	0.0229 J	0.0884	0.0219 J	0.0575	0.0324 U	0.0175 J	0.0418 U	0.0507 U	0.14	0.705
W023	LW2-W023 F	0.109	0.0113 J	0.57	0.00766 U	0.126 U	0.0911	0.265	2.78	0.0454	0.446	1.49	0.0332	0.0201 J	0.041 U	0.0226 J	0.215	0.0315 U	0.0556	0.0407 U	0.0112 U	0.46	2.67
W005	LW2-W2005 C	1.86	0.0348 U	1.63	0.0692	0.023 J	0.955	0.719	7.05	0.202	2.67	3.72	0.18	0.116 U	0.119	0.331	0.213	0.0315 U	0.0915	0.0407 U	0.0494 U	0.427	3.12
W005	LW2-W2005 F	0.319	0.0257 U	0.851	0.0654 U	0.127 U	0.256	0.402	3.18	0.0821	0.8	2.01	0.082	0.046	0.0384	0.0795	0.252	0.0317 U	0.0729	0.0409 U	0.0497 U	0.467	3.09
W011	LW2-W2011 C	1.91	0.0344 U	1.69	0.0717	0.0261 U	0.846	0.693	7.69	0.221	2.38	3.62	0.196	0.117 U	0.115	0.335	0.199	0.0311 U	0.0849	0.0402 U	0.0487 U	0.439	3.67
W011	LW2-W2011 F	0.601	0.0363	1.17	0.0417	0.0121 J	0.342	0.471	4.42	0.114	0.841	2.55	0.152	0.0833	0.0595	0.0726	0.308	0.02 U	0.0972	0.0401 U	0.0486 U	0.69	5.16
W013-1	LW2-W2013-1 C	62.5	0.045	1.17	1.65	0.113 U	13	0.529	6.6	0.621	2.14	4.06	1.12	1.47	0.83	9.05	0.176	0.0282 U	0.274	0.0365 U	0.0442 U	0.566	22.5
W013-1	LW2-W2013-1 F	54.3	0.0468 U	0.883	1.94	0.112 U	15.9	0.403	7.56	0.905	1.23	5.31	2.87	2.83	1.47	3.94	0.309	0.229 U	1.01	0.0434 U	0.0446 U	1.77	89.7
W013-2	LW2-W2013-2 C	14.8	0.0401	1.08	0.356	0.126 U	3.43	0.497	4.9	0.244	1.69	2.57	0.366	0.41	0.249	1.97	0.162	0.0314 U	0.127	0.0406 U	0.0492 U	0.387	7.91
W013-2	LW2-W2013-2 F	6.16	0.0347 U	0.609	0.361	0.126 U	1.93	0.267	2.94	0.177	0.536	1.82	0.426	0.404	0.23	1.24	0.193	0.0315 U	0.228	0.0405 U	0.0491 U	0.454	12
W015	LW2-W2015 C	0.693	0.0348 U	3.38	0.0386 U	0.0294	1.03	1.43	10.6	0.299	4.41	6.53	0.201	0.0693 U	0.098	0.125	0.444	0.0315 U	0.108	0.0407 U	0.0257	0.796	3.79
W015	LW2-W2015 F	0.142	0.11	3.46	0.0303	0.129 U	0.564	1.49	10.2	0.254	2.69	6.83	0.171	0.058	0.0778	0.146	0.769	0.0322 U	0.136	0.0416 U	0.0504 U	1.29	5.51
W016-1	LW2-W2016 C	0.855	0.0975	3.04	0.0398	0.0319	0.974	1.3	10.6	0.283	4.25	6.15	0.213	0.0741 U	0.116	0.263	0.342	0.0314 U	0.0839	0.0405 U	0.0491 U	0.648	3.36
W016-1	LW2-W2016 F	0.14	0.0798 U	2.79	0.0641 U	0.124 U	0.467	1.24	8.17	0.22	2.43	5.89	0.159	0.0532	0.0689	0.124	0.645	0.0376 U	0.113	0.0402 U	0.0487 U	1.08	4.28
W018	LW2-W2018 C	2.84	0.0346 U	2.11	0.0421	0.119	1.34	0.579	12.4	0.41	3.27	6.45	0.3	0.581	0.508	0.837	0.38	0.0314 U	0.363	0.016 J	0.0491 U	1.26	17.6
W018	LW2-W2018 F	0.774	0.049 U	1.58	0.0283	0.0584	0.612	0.414	8.87	0.195	1.59	5.15	0.24	0.385	0.404	0.0905	0.712	0.0357	0.502	0.0404 U	0.049 U	2.32	24
W023	LW2-W2023 C	0.325	0.0348 U	0.88	0.0134 J	0.0111 U	0.297	0.412	3.72	0.0948	1.29	1.89	0.0682	0.0532 U	0.0312	0.0444	0.131	0.0315 U	0.0375	0.0407 U	0.0494 U	0.259	1.42
W023	LW2-W2023 F	0.108	0.0216 J	0.481	0.0657 U	0.128 U	0.0937	0.237	1.94	0.0435	0.382	1.13	0.0362	0.0172 J	0.028 U	0.0206 J	0.151	0.0241 U	0.0327	0.0412 U	0.0499 U	0.252	1.32
W005	LW2-W3005 C	2.42	0.0634 U	2.34	0.0409	0.0253	1.08	1.01	9.36	0.245	3.45	4.8	0.218	0.112	0.119	0.27 U	0.319	0.0317 U	0.0931	0.0409 U	0.0496 U	0.748	4.67
W005	LW2-W3005 F	0.269	0.0352 U	1.22	0.0189 U	0.128 U	0.342	0.532	5.03	0.125	1.24	2.88	0.128	0.0638	0.0715	0.0888	0.428	0.0319 U	0.0816 U	0.0411 U	0.0216 U	0.637	3.93
W011	LW2-W3011 C	2.04	0.0349 U	2.27	0.032 U	0.126 U	0.845	0.956	8.97	0.23	3.14	4.56	0.18	0.114	0.109	0.204	0.332	0.0316 U	0.101	0.0408 U	0.0495 U	0.825	4.86
W011	LW2-W3011 F	0.22	0.035 U	1.18	0.0152 U	0.127 U	0.261	0.486	4.62	0.111	1.02	2.7	0.0932	0.0555	0.0612	0.0697	0.373	0.0317 U	0.0688 U	0.0409 U	0.0164 U	0.739	3.83
W013-1	LW2-W3013-1 C	54.1	0.0352 U	2.24	0.816	0.065 U	10.6	0.899	10.1	0.549	3.56	6.14	0.921	1.24	0.648	2.7	0.33	0.0319 U	0.305	0.0412 U	0.0499 U	0.968	24.7
W013-1	LW2-W3013-1 F	19.7	0.0694	1.94	1.4	0.127 U	10.1	0.793	10.9	0.717	2.41	7.74	1.88	2.12	1.01	5.95	0.562	0.0326 U	0.598	0.0408 U	0.0335 U	2.1	76.7
W013-2	LW2-W3013-2 C	50.8	0.0344 U	1.84	0.965	0.0643	10.9	0.761	9.27	0.586	2.95	5.75	0.0369 U	1.47	0.794	7.17	0.297	0.0312 U	0.387	0.0403 U	0.0488 U	1.05	32.6
W015	LW2-W3015 C	1.72	0.204 U	5.34	0.0827 U	0.518	1.51	2.22	16.5	0.44 U	6.44	9.43	0.317	0.117 U	0.15	0.437	0.665	0.0893 U	0.145	0.0812 U	0.0817 U	1.31	5.65
W015	LW2-W3015 F	0.384	0.111 U	4.25	0.0372	0.126 U	0.987	1.88	14.6	0.392	4.45	8.98	0.338	0.114	0.156	0.267	1.04	0.0316 U	0.152	0.0408 U	0.0511 U	1.8	8.99
W016-1	LW2-W3016 C	1.73	0.237	12.7	0.0904	0.826	2.96	5.36	32.8	1.02	14.7	22.7	0.573	0.136	0.227	0.872	1.38	0.0339 U	0.246	0.0405 U	0.0475 U	2.5	8.9
W016-1	LW2-W3016 F	0.319	0.312 U	16	0.124	0.0868 U	2.52	6.84	42.8	1.26	14.1	32.2	0.756	0.16 U	0.272	0.082 U	3.07	0.0831 U	0.377	0.0765 U	0.116	4.9	17.9
W018	LW2-W3018 C	2.42	0.0348 U	2.26	0.0649 U	1.4	1.03	0.88	12.7	0.31	3.97	6.21	0.247	0.318	0.273	0.362	0.511	0.0317 U	0.272	0.0407 U	0.0493 U	1.65	11.2
W018	LW2-W3018 F	0.145	0.0177 U	0.695	0.00799 U	0.011 U	0.192	0.254	3.99	0.0888	0.763	2.11	0.077	0.0808	0.0732	0.0547	0.351	0.0315 U	0.14	0.0406 U	0.0152 U	1.09	7.27
W023	LW2-W3023 C	1.21	0.0622	1.52	0.0651 U	0.126 U	0.582	0.737	6.98	0.165	2.3	3.5	0.118	0.0754 U	0.0932	0.117	0.256	0.0316 U	0.09 U	0.0408 U	0.0495 U	0.657	4.17
W023	LW2-W3023 F	0.259	0.0351 U	0.616	0.0655 U	0.127 U	0.137	0.279	2.82	0.0593	0.518	1.58	0.0489	0.0411	0.0407	0.0301	0.243	0.0318 U	0.0509 U	0.0411 U	0.00942 U	0.378	2.43
W005	LW3-W1005 C	0.114	0.0443 U	0.939	0.0827 U	0.161 U	0.307	0.265	4.22	0.095	1.39	2.21	0.062	0.055 U	0.046	0.0813 U	0.122	0.0401 U	0.036	0.0518 U	0.0628 U	0.265 J	1.71
W005	LW3-W1005 F	0.06 J	0.048 J	1.48	0.303 U	0.588 U	0.254 J	0.427	5.63	0.117	1.2	3.39	0.075 J	0.054 J	0.065 J	0.298 U	0.445	0.147 U	0.068 J	0.19 U	0.032 U	0.562 U	3.27
W023	LW3-W1023 C	0.019 U	0.0472 U	0.787	0.088 U	0.012 J	0.256	0.251	3.45	0.073	1.19	1.79	0.041	0.041 U	0.033	0.0866 U	0.109	0.0427 U	0.025 J	0.0551 U	0.0669 U	0.261 J	1.48
W023	LW3-W1023 F	0.007 U	0.033 J	1.51	0.264 U	0.513 U	0.256 J	0.498	6.27	0.121	1.26	3.82	0.073 J	0.059 J	0.059 J	0.26 U	0.489	0.128 U	0.057 J	0.166 U	0.201 U	0.541	3.14
W024	LW3-W1024 C	0.018 J	0.0471 U	0.664	0.0879 U	0.171 U	0.23	0.237	2.75	0.058	1.05	1.46	0.04	0.028 U	0.023 J	0.0865 U	0.109	0.0426 U	0.015 U	0.0551 U	0.0668 U	0.281 J	1.19
W024	LW3-W1024 F	0.007 J	0.024 J	0.896	0.265 U	0.012 U	0.145 J	0.278	3.56	0.07 J	0.759	2.14	0.042 U	0.03 U	0.039 J	0.26 U	0.291	0.128 U	0.044 J	0.166 U	0.022 U	0.216 J	1.86

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Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	52663-60-2	PCB085_116_117	PCB086_087_097_	PCB088_091	73575-57-2	PCB090_101_113	52663-61-3	PCB093_095_098_	73575-55-0	73575-54-9	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB107_124	74472-35-8	PCB110_115	39635-32-0	74472-36-9	74472-37-0	31508-00-6
	Chemical Name	PCB084	PCB085 & 116 & 117	PCB086 & 087 & 097 & 108 & 119 & 125	PCB088 & 091	PCB089	PCB090 & 101 & 113	PCB092	PCB093 & 095 & 098 & 100 & 102	PCB094	PCB096	PCB103	PCB104	PCB105	PCB106	PCB107 & 124	PCB109	PCB110 & 115	PCB111	PCB112	PCB114	PCB118
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																					
W005	LW2-W005 C	1.15	0.489	2.19 J	0.958	0.0383	4.52	1.17	5.52	0.229	0.14	0.286	0.0571	0.636	0.138 U	0.0749	0.197	3.72	0.0109 J	0.099	0.0478	1.88
W005	LW2-W005 F	0.576	0.404	1.48	0.511	0.0233 J	2.7	0.651	2.43	0.0914	0.0526	0.124	0.0271 U	0.835	0.14 U	0.0782	0.169	2.73	0.0052 J	0.0542	0.0453	2.03
W011	LW2-W011 C	1.62	0.693	3.01 J	1.54	0.0558	6.97	2.1	9.27	0.526	0.288	0.53	0.123	0.794	0.14 U	0.0909	0.226	4.96	0.0122 J	0.242	0.0551	2.45
W011	LW2-W011 F	0.801	0.566	2.09 J	0.858	0.031	4.58	1.27	4.31	0.212	0.0948	0.245	0.0601	1.09	0.139 U	0.104	0.246	3.75	0.0155 J	0.161	0.0585	2.86
W013-1	LW2-W013-1 C	4.08	1.08	5.58 J	5.12	0.0909	20.5	8.69	34.3	3.35	1.22	2.12	0.653	0.652	0.049	0.121	0.332	7.51	0.0685	2.26	0.0407	3.12
W013-1	LW2-W013-1 F	6.74	2.59	13 J	11.9	0.152	52	22	64.1	6.17	1.91	4.65	1.34	1.46	0.189	0.291	1.16	16	0.252	5.81	0.0819	10.2
W013-2	LW2-W013-2 C	3.6	0.923	4.53 J	4.28	0.0783	17.1	7.51	30	2.84	1.03	1.82	0.584	0.546	0.0374	0.0984	0.267	6.25	0.0572	1.82	0.0248 U	2.49
W013-2	LW2-W013-2 F	5.09	1.86	9.53 J	8.07	0.108	38.2	15.8	46.5	4.01	1.24	3.11	0.897	1.49	0.141	0.223	0.856	12.8	0.195	4.17	0.0723	8.23
W015	LW2-W015 C	2.66	1.24	5.02 J	1.48	0.18	8.79	1.77	9.25	0.108	0.175	0.231	0.0156 J	1.83	0.139 U	0.218	0.423	8.06	0.0146 J	0.0533	0.119	4.26
W015	LW2-W015 F	9.64	6.47	21.6 J	5.95	0.789	27.3	5.12	27.1	0.331	0.564	0.318	0.0141 J	12	0.14 U	0.996	1.71	30.7	0.0133 J	0.0255 U	0.772	23.2
W016-1	LW2-W016 C	1.46	0.736	2.79 U	0.857	0.0976	4.36	0.875	4.77	0.0676	0.0891	0.116	0.0099 J	0.909	0.139 U	0.0986	0.207	4.54	0.00425 U	0.0256	0.0517	2.28
W016-1	LW2-W016 F	1.93	1.59	5.05	1.21	0.156	8.74	1.53	6.59	0.0575	0.0889	0.114	0.0106 J	3	0.279 U	0.267	0.532	8.48	0.006 J	0.0511 U	0.172	6.63
W018	LW2-W018 C	2.14	0.893	4.18 J	2.01	0.059	8.86	1.99	9.46	0.206	0.176	0.39	0.0401	1.02	0.139 U	0.127	0.337	8.02	0.0144 J	0.0255 U	0.0611	3.62
W018	LW2-W018 F	2.07	1.21	5.33 J	2.13	0.0553 U	11.1	2.46	8.71	0.174	0.126	0.372	0.0323	2.3	0.138 U	0.251	0.676	10.7	0.0226 J	0.0252 U	0.113	7.37
W023	LW2-W023 C	0.406	0.215	0.883 J	0.29	0.0168 J	1.45	0.291	1.54	0.0273	0.03	0.0694	0.011 J	0.296	0.00518 U	0.0291 J	0.0683	1.54	0.0632 U	0.0261 U	0.0172 U	0.8
W023	LW2-W023 F	1.14	0.715	4.05 J	0.713	0.0308	15.8	1.93	10.4	0.0412	0.0475	0.141	0.0176 J	1.92	0.139 U	0.201	0.33	9.61	0.00727 U	0.0254 U	0.105	6.25
W005	LW2-W2005 C	1.69	0.782	3.09	1.45	0.0655	6.54	1.81	8.69	0.373	0.216	0.426	0.0763	0.927	0.139 U	0.107	0.242	5.1	0.0134 J	0.0254 U	0.065	2.58
W005	LW2-W2005 F	1.03	0.815	2.82	0.896	0.0494	5.33	1.35	4.65	0.194	0.0874	0.227	0.0475	1.48	0.14 U	0.164	0.355	5.1	0.0151 J	0.138	0.0832	3.75
W011	LW2-W2011 C	1.65	0.83	3.43	1.53	0.0684	7.3	1.97	9.12	0.338	0.198	0.45	0.0762	1.08	0.137 U	0.143	0.274	5.7	0.0106 J	0.0251 U	0.0805	3.07
W011	LW2-W2011 F	1.53	1.26	4.39	1.54	0.0628	8.82	2.19	7.57	0.339	0.138	0.372	0.0842	2.62	0.137 U	0.315	0.581	7.97	0.0216 U	0.255	0.158	6.94
W013-1	LW2-W2013-1 C	11.8	2.41	12.8	14.8	0.226	58.2	25.5	112	9.78	3.87	6.57	1.9	0.993	0.116	0.194	0.661	17.2	0.156	6.77	0.0767	6.1
W013-1	LW2-W2013-1 F	29	8.52	44.3	41.2	0.549	214	82.7	267	22.2	7.29	15.5	4.98	3.71	0.97	1.16	4.09	59.6	0.833	22.1	0.227	38.2
W013-2	LW2-W2013-2 C	3.76	1.01	4.96	4.39	0.0913	18.1	7.09	30.3	2.68	1.06	1.74	0.533	0.782	0.0343	0.118	0.342	7.33	0.0518	1.65	0.0444	2.94
W013-2	LW2-W2013-2 F	3.89	1.38	6.77	4.6	0.0799	25.7	11.4	31.2	2.83	0.716	1.77	0.63	1.45	0.182	0.266 J	0.799	9.65	0.122	3.46	0.0764	7.41
W015	LW2-W2015 C	2.47	1.26	4.36	1.49	0.131	7.99	1.6	9.07	0.126	0.175	0.262	0.0303	1.62	0.139 U	0.174	0.353	7.35	0.0058 U	0.0255 U	0.115	3.76
W015	LW2-W2015 F	2.37	1.88	6.16	1.61	0.164	10.6	2.03	7.63	0.111	0.114	0.225	0.0221 J	3.62	0.142 U	0.376	0.741	10.6	0.0124 J	0.026 U	0.212	8.02
W016-1	LW2-W2016 C	2.06	0.953	3.53	1.36	0.109	6.25	1.37	7.51	0.136	0.165	0.24	0.0269	1.15	0.138 U	0.141	0.287	6.01	0.0067 J	0.0253 U	0.0757	3.03
W016-1	LW2-W2016 F	1.89	1.56	4.67	1.32	0.139	7.33	1.47	5.9	0.0941	0.101 U	0.168	0.0158 J	2.88	0.137 U	0.281	0.576	8.51	0.0118 U	0.0251 U	0.18	6.41
W018	LW2-W2018 C	5.86	2.15	11.9	8.99	0.149	36.8	8.84	41.5	1.31	0.986	2.39	0.193	2.24	0.138 U	0.348	1.19	23.7	0.0665	0.0253 U	0.131	9.52
W018	LW2-W2018 F	6.44	3.94	17.4	9.89	0.19	48.1	10.6	38	1.07	0.761	2.11	0.176	6.33	0.138 U	0.829	2.53	36.5	0.115	0.0253 U	0.307	23.8
W023	LW2-W2023 C	0.878	0.42	1.65	0.532	0.0386	2.7	0.573	3.31	0.0469	0.0569	0.103	0.0127 J	0.584	0.139 U	0.0624	0.131	2.84	0.0616 U	0.0254 U	0.0458	1.53
W023	LW2-W2023 F	0.494	0.417	1.42	0.44	0.0227 J	2.3	0.466	1.93	0.0356	0.0397	0.103	0.0166 U	0.881	0.141 U	0.0932	0.193	2.59	0.0044 J	0.0257 U	0.0548	2.09
W005	LW2-W3005 C	2.76	1.16	4.88	2.09	0.108	9.36	2.34	12.2	0.41	0.323	0.548	0.108	1.36	0.14 U	0.164	0.386	8.09	0.015 U	0.244	0.0828	3.76
W005	LW2-W3005 F	1.38	1.03	3.89	1.27	0.0639	6.96	1.62	5.98	0.193	0.129	0.294	0.0447	2.24	0.141 U	0.229	0.53	6.77	0.0181 U	0.144 U	0.11	5.6
W011	LW2-W3011 C	2.77	1.24	5.25	2.17	0.118	9.6	2.15	11.5	0.308	0.31	0.558	0.0917	1.49	0.139 U	0.169 U	0.427	8.78	0.0166 U	0.156	0.0997	4.06
W011	LW2-W3011 F	1.28	0.996	3.58	1.25	0.0582	6.75	1.55	5.79	0.142	0.118	0.315	0.039 U	2.17	0.14 U	0.21 U	0.498	6.67	0.0139 U	0.0256 U	0.11	5.42
W013-1	LW2-W3013-1 C	12	2.85	15.2	13.5	0.269	53.7	20.8	93.4	8.57	4.12	5.67	1.97	1.68	0.111	0.277	0.854	21.3	0.139	5.37	0.0753 U	8.18
W013-1	LW2-W3013-1 F	22.2	7.13	39.8	33.3	0.489	148	55.7	206	18.1	6.7	13.9	3.4	4.68	0.444	0.902	2.56	50.4	0.59	13.3	0.223	29.6
W013-2	LW2-W3013-2 C	14.5	3.53	19.2	17.5	0.301	70.6	28.8	117	10.9	4.65	7.17	2.5	1.76	0.167	0.354	1.11	26.4	0.226	7.51	0.105	10.1
W015	LW2-W3015 C	3.57	1.77	6.75	2.32	0.193	10.3	2.43	12	0.239	0.285 U	0.433	0.0515	2.07	0.142 U	0.245	0.546	11	0.0628 U	0.0319 U	0.122	4.99
W015	LW2-W3015 F	3.99	2.52	9.16	3.26	0.246 U	15.8	3.49	16.1	0.283	0.311	0.666	0.0616	4.37	0.139 U	0.411	0.874	14.5	0.0255 U	0.0255 U	0.285	9.93
W016-1	LW2-W3016 C	5.77	3.16	10.9	3.34	0.452	14.5	3.1	16.4	0.278	0.401	0.46	0.0552	3.72	0.138 U	0.39	0.765	16.2	0.0146 J	0.0253 U	0.246	7.81
W016-1	LW2-W3016 F	8.36	6.52	19.9	5.61	0.796	25.3	4.96	23.1	0.365	0.469	0.602	0.045	10.8	0.139 U	0.882	1.67	28	0.0288	0.0255 U	0.692	20.7
W018	LW2-W3018 C	7.28	2.46	11.3	5.16	0.189	23	5.29	30.5	0.54	0.546	1.07	0.116	2.68	0.139 U	0.389	0.834	23.4	0.033 U	0.0254 U	0.133	8.7
W018	LW2-W3018 F	3.25	1.69	6.86	2.64	0.0911 U	13.2	2.98	13.2	0.206	0.165	0.464	0.0332	2.93	0.139 U	0.338	0.716	14.4	0.0256	0.0254 U	0.14	8.43
W023	LW2-W3023 C	2.59	1.14	4.72	1.84	0.107	8.14	1.75	10.1	0.205	0.236	0.425	0.0517 U	1.27	0.139 U	0.149	0.31	7.34	0.0618 U	0.0255 U	0.0779 U	3.32
W023	LW2-W3023 F	0.764	0.647	2.36	0.842	0.0325	4.17	0.89	3.64	0.0872 U	0.0916	0.275	0.0439	1.51	0.14 U	0.149	0.331	4.4	0.0126 J	0.0257 U	0.0803	3.65
W005	LW3-W1005 C	0.754	0.468	1.6	0.519	0.034	2.7	0.54	2.78	0.036 U	0.04	0.064	0.007 J	0.598	0.177 U	0.074	0.154	2.89	0.0784 U	0.0324 U	0.03 J	1.72
W005	LW3-W1005 F	1.11	0.965	3.03	0.781	0.056 J	5.05	1.02	3.62	0.045 U	0.04 J	0.098 U	0.006 J	1.94	0.648 U	0.198 J	0.47	5.83	0.01 U	0.119 U	0.104 U	5.21
W023	LW3-W1023 C	0.718	0.43	1.46	0.428	0.035	2.35	0.454	2.34	0.017 J	0.026 J	0.032 J	0.003 J	0.569	0.188 U	0.07	0.127	2.68	0.004 U	0.0345 U	0.032 U	1.57
W023	LW3-W1023 F	1.1	1.02	3.15	0.73	0.052 U	4.92	0.885	3.37	0.026 U	0.034 J	0.044 J	0.563 U	2.22	0.566 U	0.213	0.423	6	0.251 U	0.104 U	0.096 U	5.42
W024	LW3-W1024 C	0.578	0.344	1.17	0.328	0.03 U	1.87	0.376	1.88	0.013 U	0.023 J	0.026 U	0.007 U	0.485	0.188 U	0.061 U	0.102	2.14	0.0834 U	0.0344 U	0.029 U	1.3
W024	LW3-W1024 F	0.613	0.637	1.88	0.408	0.039 U	3.06	0.574	2.1	0.015 J	0.022 J	0.027 U	0.003 U	1.35	0.566 U	0.146 U	0.273	3.75	0.251 U	0.104 U	0.056 U	3.28

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Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	68194-12-7	56558-18-0	76842 -07-4	65510 -44-3	57465 -28-8	39635 -33-1	PCB128 _166	PCB129 _138_160_	52663 -66-8	61798 -70-7	38380 -05-1	35694 -04-3	PCB134 _143	PCB135 _151_154	38411 -22-2	35694 -06-5	PCB139 _140	52712 -04-6	41411 -61-4	68194 -14-9
	Chemical Name	PCB120	PCB121	PCB122	PCB123	PCB126	PCB127	PCB128 & 166	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB133	PCB134 & 143	PCB135 & 151 & 154	PCB136	PCB137	PCB139 & 140	PCB141	PCB142	PCB144
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																				
W005	LW2-W005 C	0.0202 J	0.0259	0.0239	0.0557	0.0062 U	0.00496 U	0.25	2.95	0.15	0.0278	1.02	0.108	0.25	2.22	0.768	0.0598	0.0433 J	0.672	0.0356 U	0.184
W005	LW2-W005 F	0.0207 J	0.014 J	0.0244	0.0417	0.0106 J	0.0052 J	0.607	5.53	0.286	0.0459	1.7	0.137	0.3	2.64	0.807	0.129	0.0678	1.18	0.0361 U	0.248
W011	LW2-W011 C	0.0308	0.0471	0.0254	0.079	0.0089 J	0.0391 U	0.403	6.27	0.254	0.0543	1.9	0.207	0.47	4.51	1.55	0.081	0.0882	1.31	0.0361 U	0.363
W011	LW2-W011 F	0.0436	0.0303	0.031	0.0503	0.0177 J	0.0078 J	0.89	11.7	0.502	0.0739	3.06	0.314	0.638	6	1.65	0.197	0.133	2.51	0.0357 U	0.535
W013-1	LW2-W013-1 C	0.116	0.251	0.0226 J	0.0436	0.0205 U	0.018 U	0.825	17.2	0.646	0.148	5.54	0.778	1.87	18	5.68	0.168	0.224	4.64	0.0366 U	1.27
W013-1	LW2-W013-1 F	0.569	0.647	0.0671	0.116	0.0412	0.077	7.84	195	6.25	0.939	40	6.21	12.4	113	28.1	2.13	1.64	47	0.0451 U	8.95
W013-2	LW2-W013-2 C	0.0923	0.222	0.0265	0.0509 U	0.00981 U	0.00852 U	0.602	16.3	0.52	0.112	4.18	0.61	1.52	14.7	4.46	0.159	0.165	3.6	0.00618 U	1.03
W013-2	LW2-W013-2 F	0.393	0.469	0.0484	0.112	0.0252	0.0485	5.96	126	4.65	0.693	30.6	4.3	9.24	85.7	21.1	1.28	1.1	34.6	0.0356 U	6.72
W015	LW2-W015 C	0.0387	0.0125 J	0.0616	0.11	0.0213 J	0.00661 U	0.528	5.71	0.336	0.0608	2.1	0.176	0.357	3.44	1.18	0.122	0.112	1.34	0.0089 J	0.361
W015	LW2-W015 F	0.0589	0.0103 J	0.407	0.601	0.133	0.0435	4.17	28.1	1.76	0.337	9.86	0.457	1.42	9.95	3.63	1.22	0.497	5.83	0.0224 J	1.38
W016-1	LW2-W016 C	0.0168 J	0.0058 J	0.0265	0.0638	0.0097 J	0.0389 U	0.228	2.16	0.127	0.0266	0.827	0.0562	0.145	1.29	0.471	0.0622	0.0375 J	0.451	0.0057 U	0.138
W016-1	LW2-W016 F	0.0298 J	0.0069 J	0.101	0.135	0.0388 J	0.078 U	1.59	13.8	0.737	0.136	4.28	0.238	0.642	5.32	1.81	0.37	0.163	3.2	0.0398 J	0.776
W018	LW2-W018 C	0.0567	0.0166 J	0.0352	0.0818	0.013 J	0.0389 U	0.513	5.37	0.289	0.0574	1.99	0.153	0.361	3.58	1.29	0.115	0.0945	1.03	0.036 U	0.33
W018	LW2-W018 F	0.108	0.0186 J	0.0819	0.0998	0.0357	0.02 J	2.12	19.9	1.06	0.156	6.46	0.468	0.992	9.01	2.89	0.494	0.331	3.81	0.00872 U	0.846
W023	LW2-W023 C	0.0066 J	0.0048 J	0.0096 U	0.0392	0.0386 U	0.0399 U	0.107	0.871	0.0542	0.0124 J	0.318	0.0218 J	0.0575	0.481	0.187	0.0203 U	0.0158 J	0.152	0.0368 U	0.0502
W023	LW2-W023 F	0.0297	0.0117 J	0.0492	0.0873	0.0238 J	0.0124 J	2.86	46.6	1.52	0.272	13.8	0.516	1.79	22.8	6.95	0.351	0.129	14.3	0.0359 U	3.3
W005	LW2-W2005 C	0.0312	0.0316	0.0323	0.0725	0.0376 U	0.0389 U	0.318	4.17	0.236	0.0469	1.48	0.152	0.37	3.25	1.12	0.109	0.0676	0.928	0.0359 U	0.291
W005	LW2-W2005 F	0.0484	0.0222 J	0.0627	0.0848	0.0241	0.019 J	1.11	11.2	0.555	0.0901	3.17	0.298	0.638	4.94	1.47	0.271	0.138	2.37	0.0361 U	0.488
W011	LW2-W2011 C	0.0354	0.0388 U	0.0408	0.0822	0.0167 J	0.0383 U	0.339	4.28	0.248	0.0457	1.41	0.145	0.351	3.36	1.06	0.12	0.0784	0.951	0.0354 U	0.298
W011	LW2-W2011 F	0.0684	0.0414	0.0881	0.128	0.031	0.0253 U	2.07	19.3	1	0.162	5.34	0.466	1.08	8.11	2.6	0.556	0.275	3.91	0.0409 U	0.853
W013-1	LW2-W2013-1 C	0.296	0.704	0.0601	0.103	0.0337 U	0.032	1.48	38.2	1.41	0.328	12.4	1.68	4.69	45	14.1	0.476	0.428	10.8	0.0321 U	3.28
W013-1	LW2-W2013-1 F	1.82	2.14	0.271	0.505 U	0.209	0.307	29.8	662	22	3.9	160	20.7	49	428	106	6.87	5.23	192	0.223	31.7
W013-2	LW2-W2013-2 C	0.109	0.178	0.0342	0.0857	0.0086 U	0.0132 J	0.801	15.3	0.619	0.126	4.86	0.62	1.58	14.7	4.55	0.195	0.161	4.26	0.0357 U	1.18
W013-2	LW2-W2013-2 F	0.279	0.256	0.0758 U	0.109 U	0.0667 U	0.0546 U	5.06	105	3.77	0.769	25.8	3.64	7.75	63.2	15.8	1.31	0.525 J	29.8	0.0948 U	4.78
W015	LW2-W2015 C	0.0324 U	0.0152 U	0.0606	0.11	0.0179 J	0.0389 U	0.511	4.91	0.301	0.056	1.71	0.151	0.36	2.79	1.02	0.178	0.092	0.96	0.0359 U	0.3
W015	LW2-W2015 F	0.0629	0.0146 U	0.148	0.196	0.0569	0.0298	1.91	16.5	1	0.158	5.15	0.378	0.941	6.51	2.11	0.544	0.285	3.86	0.0367 U	0.769
W016-1	LW2-W2016 C	0.0242	0.0151 U	0.0589	0.103	0.0111 U	0.0387 U	0.337	3.41	0.219	0.0446	1.26	0.108	0.249	2.1	0.76	0.0932	0.0663	0.708	0.0357 U	0.215
W016-1	LW2-W2016 F	0.0445	0.0114 U	0.115	0.159	0.0375	0.0383 U	1.41	11.2	0.677	0.11	3.4	0.265	0.574	4.13	1.43	0.399	0.192	2.21	0.0354 U	0.465
W018	LW2-W2018 C	0.302	0.104	0.106	0.132	0.0209 J	0.0238	1.41	20.1	0.999	0.206	7.65	0.707	1.52	16.8	5.77	0.346	0.393	4.46	0.0357 U	1.42
W018	LW2-W2018 F	0.554	0.102	0.258	0.305	0.11	0.0907	8.05	95.3	4.6	0.746	31.2	2.33	4.98	44	15.1	1.77	1.52	19.9	0.0503 U	4.34
W023	LW2-W2023 C	0.0093 U	0.008 U	0.0205 J	0.0682	0.0077 J	0.0045 J	0.192	1.61	0.108	0.0206 J	0.577	0.0443	0.102	0.852	0.33	0.0495	0.0261 J	0.267	0.0359 U	0.0885
W023	LW2-W2023 F	0.0165 U	0.0068 J	0.0353	0.0564	0.0145 J	0.0393 U	0.546	4.15	0.257	0.0364	1.23	0.107	0.206	1.55	0.526	0.133	0.0662	0.742	0.0363 U	0.167
W005	LW2-W3005 C	0.0442	0.0413	0.0515	0.0908	0.0377 U	0.039 U	0.577	6.28	0.375	0.0767	2.36	0.217	0.504	4.42	1.69	0.145	0.105	1.37	0.036 U	0.407
W005	LW2-W3005 F	0.06	0.0278 U	0.0662	0.136 U	0.0463	0.0273 U	1.55	12.3	0.68	0.0967	3.15	0.291	0.563	4.63	1.37	0.333	0.173	2.45	0.0363 U	0.463
W011	LW2-W3011 C	0.046	0.0365	0.0621	0.107	0.0377 U	0.039 U	0.649	6.66	0.375	0.0818 U	2.58	0.211	0.515	4.7	1.8	0.149	0.137	1.37	0.036 U	0.468
W011	LW2-W3011 F	0.0548	0.0243	0.0702 U	0.0859 U	0.0411	0.0338 U	1.51	12.3	0.651	0.0917	3.17	0.293	0.534	4.51	1.46	0.324	0.161	2.28	0.0361 U	0.483
W013-1	LW2-W3013-1 C	0.27	0.489	0.0552 U	0.151	0.0491 U	0.0505 U	2.74	50.6	1.98	0.391	15.8	1.79	5.14	45.4	14.9	0.724	0.526	13.7	0.0803 U	3.72
W013-1	LW2-W3013-1 F	1.24	1.53	0.206	0.422	0.143 U	0.138 U	19.6	415	14.6	2.22	91.6	12	27	246	70.7	0.228 U	3.12	112	0.22 U	21.5
W013-2	LW2-W3013-2 C	0.43	0.719	0.0899	0.168	0.0372 U	0.0384 U	3.66	72.7	2.78	0.556	22.3	2.74	7.4	67	21.1	0.97	0.761	19.6	0.127 U	5.24
W015	LW2-W3015 C	0.0556	0.0536 U	0.0878	0.131	0.071 U	0.0612 U	0.832	7.91	0.506 U	0.101 U	3.23	0.227	0.602	4.96	1.92	0.214	0.138	1.67	0.0539 U	0.55
W015	LW2-W3015 F	0.11	0.0327	0.173	0.272	0.0696	0.0224 U	2.32	20.1	1.18	0.195	6.18	0.526	0.928	9.37	3.28	0.62	0.315	4.19	0.0215 J	0.984
W016-1	LW2-W3016 C	0.0563	0.0234 U	0.191	0.238	0.0236 J	0.0387 U	0.85	7.43	0.476	0.101	2.8	0.199	0.525	4.32	1.57	0.216	0.143	1.52	0.0233 J	0.49
W016-1	LW2-W3016 F	0.12	0.0301	0.432	0.61	0.109	0.0525 U	3.39	26.8	1.52	0.275	7.25	0.55	1.17	9.35	3.52	1.08	0.439	5.24	0.154	1.11
W018	LW2-W3018 C	0.125	0.0578	0.105	0.215	0.024 U	0.0388 U	1.58	14.8	0.861	0.184	5.95	0.397	1.1	9.42	3.69	0.361	0.279	2.94	0.0359 U	0.997
W018	LW2-W3018 F	0.109 U	0.0233 U	0.111 U	0.151	0.0531	0.0347 U	3.19	27.7	1.6	0.249	8.22	0.575	1.3	10.6	3.66	0.832 U	0.4	5.32	0.0487 U	1.16
W023	LW2-W3023 C	0.0331 U	0.0261 U	0.0502 U	0.116 U	0.0377 U	0.039 U	0.49	4.13	0.228	0.0409	1.58	0.125 U	0.325	2.69	1.25	0.131 U	0.0886	0.722	0.036 U	0.257
W023	LW2-W3023 F	0.0387 U	0.0246 U	0.0454	0.0706 U	0.021 U	0.0144 U	1	7.18	0.387	0.0538 U	1.86	0.196	0.293	2.59	0.894	0.205	0.114	1.18	0.0362 U	0.271
W005	LW3-W1005 C	0.014 J	0.005 U	0.018 U	0.036	0.0478 U	0.0494 U	0.304 J	2.34	0.165 U	0.826 U	0.606 U	1.09 U	0.105 U	0.993	0.288 J	0.102 U	0.416 U	0.434	0.456 U	0.101 U
W005	LW3-W1005 F	0.032 J	0.245 U	0.072 J	0.102 J	0.036 U	0.181 U	1.21	8.25	0.523	0.068 J	2.18	0.168	0.347	2.56	0.805	0.301	0.122 J	1.37	0.167 U	0.297
W023	LW3-W1023 C	0.009 J	0.003 U	0.015 J	0.036	0.008 U	0.0526 U	0.253	2.07	0.114	0.021 U	0.574	0.033	0.1	0.654	0.216	0.083	0.033 U	0.293	0.0486 U	0.074 U
W023	LW3-W1023 F	0.028 J	0.214 U	0.067 U	0.121	0.043 U	0.158 U	1.26	7.97	0.447	0.067 U	1.96	0.106	0.273	1.95	0.573	0.31	0.103 J	1.16	0.146 U	0.22
W024	LW3-W1024 C	0.006 U	0.0711 U	0.015 U	0.043	0.0508 U	0.0526 U	0.237	1.96	0.095	0.014 U	0.506	0.028 J	0.078	0.544	0.178	0.076	0.023 J	0.241	0.0485 U	0.072
W024	LW3-W1024 F	0.017 J	0.214 U	0.041 J	0.08 U	0.032 U	0.158 U	0.815	5.33	0.29	0.035 J	1.22	0.073 J	0.151 U	1.24	0.367	0.195	0.072 J	0.783	0.146 U	0.147

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Table C2-45a. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 1 of 2).

	CAS No	74472-40-5	51908-16-8	PCB147_149	74472-41-6	68194-08-1	68194-09-2	PCB153_168	33979-03-2	PCB156_157	74472-42-7	39635-35-3	74472-43-8	39635-34-2	74472-45-0	74472-46-1	52663-72-6	32774-16-6	35065-30-6	PCB171_173	52663-74-8
	Chemical Name	**PCB145**	**PCB146**	**PCB147 & 149**	**PCB148**	**PCB150**	**PCB152**	**PCB153 & 168**	**PCB155**	**PCB156 & 157**	**PCB158**	**PCB159**	**PCB161**	**PCB162**	**PCB164**	**PCB165**	**PCB167**	**PCB169**	**PCB170**	**PCB171 & 173**	**PCB172**
	Unit	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**
Location Name	**Sample ID**																				
W005	LW2-W005 C	0.048 U	0.665	3.8	0.0341 U	0.0311	0.0265	3.19	0.0061 J	0.138	0.249	0.0345	0.0609 U	0.0051 J	0.255	0.0094 J	0.0639	0.0394 U	0.275	0.13	0.0693
W005	LW2-W005 F	0.0487 U	1.08	4.74	0.0378	0.0323	0.0252	5.36	0.0069 J	0.433	0.457	0.107	0.0617 U	0.0104 J	0.388	0.0118 J	0.162	0.00802 U	2.26	0.678	0.385
W011	LW2-W011 C	0.0019 J	1.22	7.17	0.0741	0.0633	0.0701	6.07	0.0121 J	0.256	0.446	0.083	0.0618 U	0.0095 J	0.47	0.0157 U	0.115	0.00401 U	0.837	0.331	0.172
W011	LW2-W011 F	0.005 J	2.37	10.2	0.104	0.0757	0.0626	11.3	0.0166 J	0.771	0.882	0.218	0.0611 U	0.0176 J	0.793	0.0293	0.311	0.0146 U	5.08	1.58	0.935
W013-1	LW2-W013-1 C	0.0155 J	4.07	24.5	0.283	0.216	0.33	20.7	0.0489	0.701	1.33	0.249	0.0626 U	0.0171 J	1.53	0.0775	0.331	0.0105 U	3.15	1.17	0.663
W013-1	LW2-W013-1 F	0.0798	43	169	1.88	1.38	1.77	206	0.345	10.2	13.6	5.1	0.0611 U	0.153	13.5	0.615	4.54	0.312 U	101	31.1	19.9
W013-2	LW2-W013-2 C	0.014 J	3.21	20.2	0.24	0.172	0.265	15.9	0.0415	0.483	1.03	0.148	0.0609 U	0.0127 J	1.17	0.069	0.247	0.0394 U	1.82	0.739	0.397
W013-2	LW2-W013-2 F	0.0543	30.4	122	1.29	0.884	1.13	150	0.253	7.73	9.91	3.81	0.0609 U	0.121	9.74	0.411	3.35	0.24 U	77.8	22.8	14.1
W015	LW2-W015 C	0.00168 U	1.32	6.47	0.0459	0.0248	0.0101 J	6.02	0.0026 U	0.343	0.515	0.0723	0.0616 U	0.0094 J	0.475	0.0075 U	0.143	0.00564 U	0.807	0.348	0.187
W015	LW2-W015 F	0.0195 U	4.3	21.7	0.072	0.0606	0.0332	23.2	0.0129 U	3.1	2.74	0.387	0.0616 U	0.0738	1.96	0.0179 J	1.04	0.0357 U	7.58	2.52	1.39
W016-1	LW2-W016 C	0.0484 U	0.447	2.68	0.013 J	0.0147 J	0.0066 U	2.12	0.0019 J	0.123	0.189	0.02 J	0.0614 U	0.0035 U	0.173	0.0031 J	0.0527	0.00265 U	0.212	0.0874	0.0477
W016-1	LW2-W016 F	0.0049 J	2.2	11.3	0.0388 J	0.0327 J	0.0115 J	12.5	0.0052 J	1.32	1.31	0.185	0.123 U	0.0369 J	1.07	0.125 U	0.521	0.0797 U	5.02	1.75	0.857
W018	LW2-W018 C	0.0485 U	1.18	6.79	0.0478	0.0553	0.0266	5.75	0.004 J	0.281	0.452	0.0495	0.0615 U	0.0105 J	0.443	0.0096 J	0.122	0.0398 U	0.668	0.269	0.132
W018	LW2-W018 F	0.0058 J	4.37	17.9	0.12	0.141	0.0565	20	0.0104 J	1.59	1.68	0.345	0.0607 U	0.0374	1.49	0.0274	0.626	0.0287 U	7.81	2.34	1.29
W023	LW2-W023 C	0.0497 U	0.167	0.929	0.0059 J	0.0085 J	0.0035 J	0.798	0.0024 J	0.0561	0.0779	0.0088 U	0.063 U	0.0559 U	0.0711	0.0641 U	0.0235 U	0.0407 U	0.111	0.0431 U	0.0228 J
W023	LW2-W023 F	0.00209 U	7.31	46.1	0.0389	0.0406	0.013 J	52.2	0.0059 J	2.96	4.13	1.16	0.0613 U	0.0428	3.33	0.0625 U	1.08	0.0715 U	22.2	7.22	4.13
W005	LW2-W2005 C	0.0017 U	1.01	5.51	0.0441	0.0496	0.042	4.46	0.0066 U	0.223	0.357	0.06	0.0614 U	0.0545 U	0.348	0.0118 U	0.0966	0.0397 U	0.485	0.227	0.111
W005	LW2-W2005 F	0.0042 U	2.06	9.61	0.0767	0.0604	0.0528	10.6	0.0151 J	0.886	0.957	0.285	0.0617 U	0.0272	0.867	0.0232 J	0.35	0.0399 U	4.36	1.42	0.797
W011	LW2-W2011 C	0.0032 U	1.17	5.35	0.0411	0.0394	0.0327	4.79	0.0067 J	0.254	0.384	0.0482	0.0605 U	0.0059 J	0.343	0.0108 J	0.104	0.0392 U	0.506	0.194	0.109
W011	LW2-W2011 F	0.0089 J	3.49	16.1	0.121	0.104	0.0877	17.7	0.0247	1.71	1.69	0.432	0.0604 U	0.048	1.42	0.0376	0.626	0.0391 U	6.67	2.19	1.22
W013-1	LW2-W2013-1 C	0.0388	9.53	61.1	0.661	0.533	0.817	49.2	0.105	1.37	2.91	0.53	0.055 U	0.034	3.4	0.202	0.632	0.049 U	5.35	2.21	1.15
W013-1	LW2-W2013-1 F	0.284	129	647	5.42	4.1	5.95	775	1.13	37.8	54.4	20.8	0.0545 U	0.635	51.1	2.08	16.3	1.4 U	406	114	61.7
W013-2	LW2-W2013-2 C	0.011 U	3.53	21.3	0.205	0.166	0.245	17.9	0.0393	0.637	1.25	0.24	0.0611 U	0.0188 J	1.42	0.0678	0.284	0.0396 U	2.54	1.05	0.574
W013-2	LW2-W2013-2 F	0.0393 U	21.9	93.9	0.82	0.584	0.842	116	0.155	6.22	8.56	3.52	0.0648 U	0.123	8.6	0.368	2.73	0.211 U	52	15.1	8.35
W015	LW2-W2015 C	0.0484 U	1.19	5.35	0.0337 U	0.0293	0.0157 J	4.7	0.004 U	0.329	0.432	0.0503	0.0614 U	0.0141 J	0.336	0.0625 U	0.113	0.0397 U	0.595	0.225	0.136
W015	LW2-W2015 F	0.008 J	3.08	14	0.0782	0.0644	0.0287	14.9	0.0079 J	1.38	1.5	0.368	0.0627 U	0.047	1.22	0.0234 J	0.577	0.0406 U	5.2	1.79	0.965
W016-1	LW2-W2016 C	0.0482 U	0.859	3.91	0.029	0.0267	0.0114 J	3.33	0.0068 J	0.208	0.307	0.0367	0.0611 U	0.0084 J	0.274	0.0062 J	0.0934	0.0395 U	0.375	0.166	0.0863
W016-1	LW2-W2016 F	0.0052 U	2.03	9.2	0.0528	0.0473	0.0201 J	9.61	0.008 J	0.971	0.999	0.227	0.0605 U	0.036	0.787	0.0616 U	0.382	0.0392 U	3.19	1.1	0.547
W018	LW2-W2018 C	0.0482 U	5.59	30.1	0.241	0.285	0.156	24	0.0154 J	0.911	1.61	0.213	0.0611 U	0.0323	1.8	0.0526	0.381	0.0395 U	2.05	0.885	0.478
W018	LW2-W2018 F	0.0233 J	20.6	111	0.751	0.829	0.374	98.1	0.0412	6.32	7.82	1.93	0.0609 U	0.173	7.03	0.154	2.58	0.145 U	26.4	8.57	4.11
W023	LW2-W2023 C	0.0019 U	0.33	1.64	0.0085 J	0.0076 J	0.0045 J	1.49	0.0039 U	0.105	0.144	0.0208 J	0.0614 U	0.0545 U	0.118	0.0625 U	0.0411	0.0397 U	0.167	0.0722	0.0377 U
W023	LW2-W2023 F	0.0009 U	0.745	3.28	0.0237 J	0.0261	0.0103 J	3.54	0.0062 U	0.383	0.368	0.0927	0.0621 U	0.0184 J	0.296	0.0632 U	0.142	0.0402 U	1.09	0.375	0.226
W005	LW2-W3005 C	0.00149 U	1.41	7.99	0.0641	0.0645	0.0443	6.26	0.00914 J	0.329	0.529	0.0665	0.0616 U	0.0547 U	0.556	0.0628 U	0.137	0.0399 U	0.858	0.348	0.171
W005	LW2-W3005 F	0.00291 U	2.36	8.46	0.0692	0.0623	0.0391	11.1	0.0189 J	1.29	1.17	0.268	0.062 U	0.0551 U	0.956	0.0225 U	0.524	0.046 U	5.97	2.12	1.28
W011	LW2-W3011 C	0.0485 U	1.53	8.24	0.0661 U	0.0757	0.0366	6.52	0.00887 U	0.337	0.574	0.0537	0.0615 U	0.0546 U	0.571	0.0626 U	0.139	0.0398 U	0.877	0.383	0.19
W011	LW2-W3011 F	0.0044 U	2.29	9	0.0982 U	0.0718	0.0339	11.8	0.0145 U	1.17	1.15	0.259	0.0617 U	0.0547 U	0.936	0.0166 U	0.455	0.0293 U	5.41	1.84	1.09
W013-1	LW2-W3013-1 C	0.0312	10.8	66.3	0.643	0.523	0.815	56.9	0.116	2.09	3.97	0.793	0.0621 U	0.0551 U	4.48	0.186	0.949	0.0634 U	11.4	4.39	2.26
W013-1	LW2-W3013-1 F	0.189 U	70.3	370	3.78	2.9	4.05	463	0.698	23.9	35.3	9.27	0.154 U	0.135 U	37.1	1.1	10.3	0.786 U	201	72.2	47.4
W013-2	LW2-W3013-2 C	0.0551	15.8	97.3	0.961	0.774	1.21	82.8	0.179	2.77	5.69	1.08	0.083 U	0.0818 U	6.48	0.295	1.3	0.0708 U	14.8	6.1	3.01
W015	LW2-W3015 C	0.0493 U	1.79	9.4	0.0621	0.0648	0.03 U	7.62	0.0628 U	0.381	0.653	0.0755	0.0625 U	0.0555 U	0.674	0.0637 U	0.162	0.0405 U	1.02 U	0.52	0.268 U
W015	LW2-W3015 F	0.00974 U	3.86	16.9	0.141	0.121	0.0559	19.4	0.0147 J	1.62	1.77	0.294	0.0615 U	0.0546 U	1.39	0.0289 U	0.643	0.0273 U	6.9	2.17	0.0399 U
W016-1	LW2-W3016 C	0.0058 J	1.54	7.91	0.0498	0.049	0.0283 U	6.85	0.00858 J	0.43	0.659	0.0797	0.0611 U	0.0542 U	0.637	0.0622 U	0.167	0.0395 U	1.06	0.483	0.23
W016-1	LW2-W3016 F	0.0197 J	4.23	19.6	0.122	0.115	0.0521 U	21.6	0.0158 U	2.22	2.34	0.359	0.0616 U	0.0546 U	1.78	0.0307	0.897	0.0464 U	6.92	2.98	1.75
W018	LW2-W3018 C	0.0082 J	3.21	18.2	0.108 U	0.137	0.0679	14.5	0.011 U	0.728	1.31	0.14	0.0613 U	0.0255 U	1.29	0.0222 U	0.336	0.0397 U	1.94	0.837	0.38
W018	LW2-W3018 F	0.00961 J	4.56	21.9	0.112	0.147	0.0646	25.6	0.0128 U	2.08	2.56	0.358	0.0612 U	0.0543 U	2.21	0.0343 U	0.884	0.0392 U	10.3	3.08	1.76
W023	LW2-W3023 C	0.00385 U	0.869	4.89	0.0544 U	0.0624	0.0273 U	3.8	0.00801 U	0.248	0.361	0.0217 U	0.0615 U	0.0546 U	0.316	0.0626 U	0.114	0.0398 U	0.541	0.261	0.11 U
W023	LW2-W3023 F	0.00108 U	1.46	5.15	0.0595	0.0619	0.0207 U	6.12	0.01 J	0.728	0.667	0.139	0.0619 U	0.0262	0.503	0.0175 U	0.261	0.0231 U	2.53	0.899	0.541
W005	LW3-W1005 C	0.616 U	0.388 U	2	0.411 U	0.023 U	0.507 U	2.17	0.784 U	0.21 U	0.192 U	0.429 U	0.781 U	0.693 U	0.176 U	0.795 U	0.06 U	0.505 U	0.281	0.106	0.063
W005	LW3-W1005 F	0.226 U	1.41	5.45	0.032 J	0.024 U	0.186 U	7.62	0.287 U	0.932	0.675	0.097 J	0.286 U	0.026 J	0.606	0.291 U	0.35	0.019 U	2.13	0.652 J	0.411
W023	LW3-W1023 C	0.0656 U	0.308	1.56	0.003 U	0.004 J	0.002 U	1.82	0.004 J	0.16	0.159	0.015 J	0.0831 U	0.007 U	0.135	0.0847 U	0.06	0.0538 U	0.237	0.081	0.056 U
W023	LW3-W1023 F	0.197 U	1.09	4.56	0.01 U	0.007 J	0.162 U	6.54	0.251 U	0.964	0.656	0.081 J	0.25 U	0.222 U	0.55	0.254 U	0.347	0.162 U	1.83	0.608 J	0.362 U
W024	LW3-W1024 C	0.0655 U	0.26	1.39	0.002 U	0.003 U	0.002 U	1.58	0.007 U	0.16	0.14	0.014 U	0.083 U	0.0737 U	0.121	0.0845 U	0.059	0.0537 U	0.23	0.095	0.062
W024	LW3-W1024 F	0.197 U	0.692	2.87	0.131 UJ	0.007 J	0.004 U	4.3	0.251 U	0.597	0.42	0.052 J	0.25 U	0.02 U	0.362	0.254 U	0.221	0.012 U	1.18	0.339	0.23

Notes:
C - suffix in sample ID indicates an XAD column sample.
F - suffix in sample ID indicates an XAD filter sample.
J - The associated numerical value is an estimated quantity.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-45b. PCB Congener Values Used in Total PCB Congener Calculations for Surface Water XAD Samples (Table 2 of 2).

	CAS No	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	PCB180_193	74472-47-2	60145-23-5	PCB183_185	74472-48-3	74472-49-4	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7
	Chemical Name	**PCB174**	**PCB175**	**PCB176**	**PCB177**	**PCB178**	**PCB179**	**PCB180 & 193**	**PCB181**	**PCB182**	**PCB183 & 185**	**PCB184**	**PCB186**	**PCB187**	**PCB188**	**PCB189**	**PCB190**	**PCB191**
	Unit	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**	**pg/l**
Location Name	**Sample ID**																	
W005	LW2-W005 C	0.599	0.0228 J	0.0754 U	0.319	0.155	0.309	0.772	0.0772 U	0.0048 J	0.348	0.0309 U	0.0652 U	0.744	0.0025 U	0.0095 J	0.0615	0.0138 J
W005	LW2-W005 F	2.38	0.0904	0.311	1.43	0.536	1.11	5	0.0155 J	0.0153 J	1.58	0.0029 J	0.0662 U	3.12	0.0093 J	0.079	0.457	0.0815
W011	LW2-W011 C	1.55	0.057	0.194	0.841	0.364	0.763	2.27	0.0047 U	0.0097 J	0.874	0.0025 U	0.0662 U	1.79	0.0077 J	0.0316	0.185	0.0374
W011	LW2-W011 F	5.49	0.216	0.733	3.42	1.3	2.63	11.9	0.031	0.0308	3.78	0.0042 J	0.0655 U	7.69	0.0212 J	0.178	1.03	0.197
W013-1	LW2-W013-1 C	5.8	0.188	0.673	3.05	1.3	2.94	8.57	0.0206 J	0.0318	3.16	0.0031 U	0.0671 U	6.25	0.0259	0.0994	0.688	0.152
W013-1	LW2-W013-1 F	111	4.14	14.2	64	26	50.5	250	0.526	0.646	78.1	0.0527	0.0302	154	0.429	4.09	20.7	4.07
W013-2	LW2-W013-2 C	3.28	0.139	0.461	2.01	0.922	1.98	5.16	0.0109 J	0.0217 J	2.13	0.0028 U	0.0653 U	4.33	0.0169 J	0.0628	0.409	0.0893
W013-2	LW2-W013-2 F	83.1	3.05	10.6	47.1	18.7	37.7	182	0.334	0.456	57	0.0356	0.0167 J	112	0.286	2.85	15.8	3.03
W015	LW2-W015 C	1.47	0.0574	0.186	0.83	0.317	0.663	2.17	0.0362	0.0082 J	0.853	0.0026 U	0.0018 U	1.66	0.0032 J	0.0324	0.184	0.0414
W015	LW2-W015 F	8.9	0.39	1.21	5.12	1.94	4.15	18.3	0.283	0.0614	6.3	0.0178 J	0.0106 J	12.1	0.0195 J	0.288	1.66	0.307
W016-1	LW2-W016 C	0.423	0.0172 J	0.0479	0.226	0.0978	0.193	0.57	0.009 U	0.0018 J	0.238	0.0009 U	0.0658 U	0.504	0.0017 U	0.0079 U	0.048	0.0113 J
W016-1	LW2-W016 F	5.59	0.236	0.74	3.23	1.12	2.13	10.9	0.34	0.0301 J	3.69	0.009 U	0.012 J	6.42	0.0105 J	0.175	1.16	0.223
W018	LW2-W018 C	1.07	0.0438	0.143	0.612	0.27	0.571	1.68	0.0048 U	0.0055 J	0.719	0.0313 U	0.0659 U	1.41	0.0053 J	0.0185 J	0.152	0.033
W018	LW2-W018 F	7.23	0.304	0.979	4.78	1.69	3.42	17.3	0.0501	0.0584	5.27	0.0089 J	0.0651 U	10.6	0.0292	0.292	1.61	0.306
W023	LW2-W023 C	0.184	0.0067 J	0.0227 J	0.102	0.0529	0.0982	0.29	0.00199 U	0.0446 U	0.111	0.00142 U	0.0675 U	0.255	0.00136 U	0.0036 J	0.0282	0.005 J
W023	LW2-W023 F	25.8	1.04	3.55	14.6	5.04	10.9	54.6	0.0646	0.0434 U	18.7	0.0066 J	0.0657 U	33.2	0.0127 J	0.683	4.8	0.949
W005	LW2-W2005 C	0.834	0.0369	0.114	0.484	0.235	0.481	1.32	0.0778 U	0.0435 U	0.602	0.0007 U	0.0658 U	1.17	0.0055 J	0.0177 J	0.118	0.0248
W005	LW2-W2005 F	4.84	0.187	0.575	2.91	1.09	2.04	10.5	0.0293	0.0352	3.29	0.0081 J	0.0661 U	5.79	0.0193 J	0.148	0.924	0.188
W011	LW2-W2011 C	0.806	0.0368	0.111	0.478	0.237	0.486	1.44	0.0055 J	0.0093 J	0.605	0.0037 J	0.0005 U	1.19	0.0058 J	0.0175 U	0.114	0.0273
W011	LW2-W2011 F	7.46	0.284	0.935	4.43	1.7	3.23	16.1	0.0492	0.0567	4.98	0.0126 U	0.0026 U	8.93	0.0253	0.239	1.43	0.29
W013-1	LW2-W2013-1 C	9.42	0.369	1.31	4.94	2.52	5.65	14.8	0.0288	0.055	6.2	0.0072 J	0.0589 U	11.7	0.0427	0.142	1.21	0.296
W013-1	LW2-W2013-1 F	440	13.6	46.4	232	86	174	932	1.54	1.77	282	0.142	0.11	450	1.29	13.3	76.2	14
W013-2	LW2-W2013-2 C	4.28	0.168	0.559	2.34	1.12	2.27	7.14	0.0162 J	0.0251	2.77	0.0025 U	0.0655 U	5.32	0.0189 J	0.0722	0.577	0.141
W013-2	LW2-W2013-2 F	54.7	1.95	6.32	31.6	11.9	24.9	125	0.22	0.289	36.3	0.028	0.018 J	61	0.188	2.28	10.6	2.04
W015	LW2-W2015 C	0.822	0.0427	0.123	0.573	0.26	0.484	1.47	0.0779 U	0.0435 U	0.622	0.0045 U	0.0658 U	1.32	0.0059 J	0.0213 J	0.153	0.0243
W015	LW2-W2015 F	6.13	0.263	0.764	3.57	1.36	2.53	13.2	0.25	0.0505	4.17	0.0125 U	0.0129 J	7.51	0.0195 J	0.202	1.16	0.234
W016-1	LW2-W2016 C	0.627	0.0399	0.099	0.374	0.196	0.361	1.08	0.0089 U	0.0432 U	0.473	0.0042 J	0.0654 U	0.992	0.0057 U	0.0146 U	0.0892	0.0171 J
W016-1	LW2-W2016 F	3.69	0.154	0.484	2.18	0.873	1.65	7.59	0.226	0.0301	2.53	0.0107 J	0.011 J	4.65	0.0133 J	0.124	0.7	0.138
W018	LW2-W2018 C	3.45	0.165	0.5	2.02	0.981	1.96	5.75	0.01 J	0.0336	2.53	0.0047 U	0.0654 U	4.78	0.0184 J	0.0565	0.482	0.119
W018	LW2-W2018 F	27.7	1.1	3.74	17.6	6.04	12.7	59.7	0.146	0.239	19.3	0.0192 J	0.0653 U	33.9	0.138	1.05	5.21	1.08
W023	LW2-W2023 C	0.24	0.0126 J	0.0371	0.173	0.0786	0.145	0.501	0.0014 U	0.0054 U	0.198	0.0024 U	0.0658 U	0.444	0.0014 U	0.0079 U	0.0383	0.0095 U
W023	LW2-W2023 F	1.29	0.0561	0.168	0.82	0.334	0.609	2.74	0.0098 J	0.0125 U	0.878	0.0053 U	0.0665 U	1.77	0.0067 U	0.0431	0.237	0.0484
W005	LW2-W3005 C	1.44	0.0606	0.215	0.796	0.37	0.785	2.24	0.00762 J	0.00884 U	0.891	0.00248 U	0.066 U	1.77	0.00723 J	0.0241	0.193	0.0389
W005	LW2-W3005 F	6.4	0.256	0.703	3.7	1.41	2.25	15.6	0.0497 U	0.0576	4.32	0.00941 U	0.0665 U	8.21	0.0271	0.206	1.14	0.245
W011	LW2-W3011 C	1.53	0.0651 U	0.211	0.781	0.396	0.849	2.17	0.00475 U	0.00749 U	0.967	0.00282 U	0.00106 U	1.92	0.00783 J	0.0231 J	0.188	0.0439
W011	LW2-W3011 F	6.18	0.25	0.646	3.56	1.35	2.26	14	0.046 U	0.043 U	4.12	0.012 U	0.0661 U	7.44	0.0212 U	0.182	1.08	0.227
W013-1	LW2-W3013-1 C	17.3	0.67	2.2	9.02	4.12	8.67	27.3	0.069	0.0951	10.6	0.00629 U	0.0665 U	19.2	0.0636	0.272	2.32	0.503
W013-1	LW2-W3013-1 F	255	10.8	35.3	144	64.2	113	486	1.05	1.43	185	0.123	0.0659 U	315	0.776	8.08	55.1	11.2
W013-2	LW2-W3013-2 C	24.5	0.922	3.11	12.7	5.88	12.5	37	0.0931	0.156	14.8	0.0105 U	0.065 U	27.3	0.0982	0.352	3.11	0.7
W015	LW2-W3015 C	1.95	0.0903 U	0.311	1.06	0.507	1.06	2.69	0.0303 U	0.0174 J	1.28	0.0318 U	0.067 U	2.54	0.0228 U	0.0449 U	0.215	0.0512
W015	LW2-W3015 F	7.06	0.377	1.01	4.13	1.92	3.38	17.3	0.239	0.0526 U	5.43	0.0152 J	0.0659 U	10.4	0.0265	0.217	1.47	0.0697 U
W016-1	LW2-W3016 C	1.77	0.0936	0.262	0.981	0.507	0.913	2.63	0.082 U	0.0118 U	1.17	0.00827 U	0.0655 U	2.37	0.0129 J	0.026 U	0.226	0.0531
W016-1	LW2-W3016 F	8.76	0.492	1.29	5.32	2.36	3.77	16.4	1.55	0.0881 U	7.1	0.0302	0.066 U	12	0.0286	0.294 U	2.21	0.413
W018	LW2-W3018 C	3.07	0.13	0.439	1.75	0.792	1.62	4.69	0.0168 U	0.0204 J	2	0.00404 J	0.0657 U	3.89	0.0127 J	0.0522	0.412	0.0946
W018	LW2-W3018 F	9.44	0.452	1.43	5.73	2.45	4.13	22.1	0.0692	0.0893	7.09	0.011 J	0.0656 U	12.8	0.0346 U	0.322	2.09	0.458
W023	LW2-W3023 C	0.879	0.0433	0.132	0.495	0.247	0.451	1.42	0.078 U	0.00443 U	0.557	0.00368 U	0.0659 U	1.19	0.00797 J	0.0137 J	0.132 U	0.0179 J
W023	LW2-W3023 F	3.14	0.126	0.323	1.93	0.831	1.21	6.81	0.0236 J	0.0345	2.08	0.00791 U	0.0663 U	4.29	0.0229 U	0.0858	0.524	0.107
W005	LW3-W1005 C	0.397	0.015 J	0.047	0.224	0.11	0.186	0.745 U	0.003 U	0.004 U	0.255	0.002 U	0.0836 U	0.653	0.002 U	0.011 U	0.068	0.012 J
W005	LW3-W1005 F	2.24	0.111 U	0.269 J	1.38	0.573 U	1.03	4.92	1.21 U	0.031 U	1.55	0.006 U	1.02 U	3.28	0.105 U	0.096 J	0.49	0.094 J
W023	LW3-W1023 C	0.324	0.014 U	0.041	0.18	0.092	0.149	0.619 U	0.004 U	0.004 U	0.214 U	0.0422 U	0.0891 U	0.543 U	0.002 J	0.014 U	0.057	0.015 J
W023	LW3-W1023 F	1.95	0.076 J	0.214 U	1.19	0.526 U	0.821	4.24	0.017 U	0.013 U	1.4	0.007 U	0.892 U	2.92	0.0913 U	0.083 U	0.407	0.075 U
W024	LW3-W1024 C	0.325	0.014 U	0.037	0.198	0.086	0.147	0.639 U	0.105 U	0.011 J	0.22 U	0.002 U	0.089 U	0.555 U	0.008 J	0.017 U	0.058	0.01 U
W024	LW3-W1024 F	1.21	0.044 J	0.127	0.755	0.289	0.474	2.58	0.317 U	0.014 U	0.804	0.127 U	0.268 U	1.68	0.0913 U	0.057 J	0.276	0.049 J

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Table C2-45b. PCB Congener Values Used i in Total PCB Congener Calculations for Surface Water XAD Samples (Table 2 of 2).

	CAS No	74472-51-8	35694-08-7	52663-78-2	42740-50-1	PCB197_200	PCB198_199	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB192	PCB194	PCB195	PCB196	PCB197 & 200	PCB198 & 199	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																
W005	LW2-W005 C	0.0552 U	0.0698	0.0381	0.0529	0.0191 J	0.124 U	0.0161 J	0.0348 U	0.0663	0.0727 U	0.0048 J	0.0308 U	0.0073 U	0.018 U	0.017 J	136
W005	LW2-W005 F	0.056 U	1.08	0.446	0.664	0.221 J	1.35	0.153	0.244	0.837	0.0007 U	0.0517	0.529	0.0887	0.199	1.81	92.9
W011	LW2-W011 C	0.056 U	0.322	0.128	0.198	0.0806	0.396	0.0622	0.105	0.242	0.0003 U	0.0171 J	0.106	0.0229 U	0.0406 U	0.0459	217
W011	LW2-W011 F	0.0554 U	2.57	1.12	1.45	0.482 J	2.94	0.359	0.532	1.82	0.0017 U	0.138	1.31	0.143	0.469	1.1	171
W013-1	LW2-W013-1 C	0.0568 U	0.925	0.392	0.546	0.21	1.07	0.14	0.235	0.636	0.0004 U	0.0498	0.162	0.0289 U	0.0442 U	0.0349	720
W013-1	LW2-W013-1 F	0.0554 U	58.9	24.2	31.2	10.1 J	55.3	6.96	9.17	35	0.0158 J	3.02	11.2	1.58	1.9	0.632	2620
W013-2	LW2-W013-2 C	0.0553 U	0.39	0.185	0.264	0.0967	0.551	0.0721	0.129	0.308	0.0002 U	0.0212 J	0.0667	0.0141 U	0.018 U	0.0178 J	624
W013-2	LW2-W013-2 F	0.0552 U	42.5	18.6	22.2	6.55 J	39	4.68	6.49	24.7	0.0085 J	2.12	7.86	1.18	1.37	0.63	1890
W015	LW2-W015 C	0.0558 U	0.306	0.127	0.194	0.0785	0.445	0.0643	0.11	0.245	0.0735 U	0.0191 J	0.245	0.0379 U	0.0853	0.156	639
W015	LW2-W015 F	0.0558 U	4.49	1.86	3.1	1.09 J	7.71	0.976	1.47	4.51	0.0187 J	0.265	6.07	0.72	1.76	9.17	1290
W016-1	LW2-W016 C	0.0557 U	0.0635	0.0336	0.0448 U	0.0192 J	0.115 U	0.0143 U	0.0305	0.0614	0.0733 U	0.0036 U	0.0369 U	0.0079 U	0.0191 U	0.0296	137
W016-1	LW2-W016 F	0.112 U	1.85	0.96	1.39	0.443 J	3.02	0.362	0.517	1.9	0.016 J	0.143	1.57	0.294	0.501	1.62	241
W018	LW2-W018 C	0.0558 U	0.145	0.0714	0.129	0.0442 J	0.304	0.0368	0.0637	0.173 U	0.0003 U	0.0103 J	0.0689	0.012 U	0.0308 U	0.0401	162
W018	LW2-W018 F	0.0551 U	3.52	1.42	2.08	0.591 J	4.1	0.47	0.737	2.63	0.0017 U	0.186	1.55	0.202	0.482	0.804	277
W023	LW2-W023 C	0.0571 U	0.04 U	0.0178 J	0.0305 U	0.0149 U	0.0917 U	0.0115 U	0.02 J	0.0508 U	0.0011 U	0.0022 U	0.0375 U	0.0183 U	0.0181 U	0.0172 J	42.7
W023	LW2-W023 F	0.0556 U	9.76	4.46	5.95	1.91 J	11	1.4	1.8	6.98	0.0011 U	0.532	2.36	0.35	0.554	0.549	566
W005	LW2-W2005 C	0.0006 U	0.147	0.0547	0.103 U	0.0437 U	0.26 U	0.0452 U	0.0934 U	0.163 U	0.0733 U	0.0101 J	0.0703	0.0201 J	0.043	0.027 U	236
W005	LW2-W2005 F	0.056 U	2.31	0.957	1.27	0.414	2.61	0.325	0.483	1.58	0.0014 U	0.118	1.18	0.146	0.386	1.22	166
W011	LW2-W2011 C	0.0549 U	0.156	0.0584	0.108 U	0.0421 U	0.252 U	0.0377 U	0.0693 U	0.146 U	0.0723 U	0.0109 J	0.0548 U	0.0166 J	0.0337	0.0315	237
W011	LW2-W2011 F	0.0547 U	3.36	1.39	1.85	0.634	3.78	0.477	0.69	2.25	0.0036 U	0.161	1.3	0.188	0.396	1.15	259
W013-1	LW2-W2013-1 C	0.0498 U	1	0.491	0.725	0.235	1.48	0.2	0.337	0.827	0.0656 U	0.0561	0.122	0.0282	0.0467	0.0236	2420
W013-1	LW2-W2013-1 F	0.0494 U	221	88.2	104	28.4	190	21.5	28.4	120	0.0423	9.5	32.8	4.91	5.44	1.12	9550
W013-2	LW2-W2013-2 C	0.0554 U	0.596	0.272	0.422	0.134	0.85	0.129	0.202	0.489	0.0014 J	0.0288	0.139	0.0242	0.0519	0.033	681
W013-2	LW2-W2013-2 F	0.0554 U	36.4	15.9	17.7	4.51	29.9	3.3	4.8	20.6	0.0089 U	1.58	6.08	0.987	1.12	0.81	1380
W015	LW2-W2015 C	0.0557 U	0.157	0.0708	0.12 U	0.0595 U	0.32 U	0.0782	0.101 U	0.166 U	0.0733 U	0.0089 U	0.105	0.0673	0.0882	0.0385 U	255
W015	LW2-W2015 F	0.0568 U	2.9	1.3	1.6	0.641	3.65	0.502	0.703	2.17	0.017 J	0.181	3.42	0.453	0.95	4.01	285
W016-1	LW2-W2016 C	0.0553 U	0.107	0.0509	0.104 U	0.0461 U	0.226 U	0.0599 U	0.0878 U	0.124 U	0.0017 U	0.0074 U	0.0847	0.0423	0.0498	0.0335	248
W016-1	LW2-W2016 F	0.0549 U	1.79	0.799	1	0.39	2.21	0.31	0.467	1.43	0.0137 U	0.111	1.46	0.265	0.473	1.72	201
W018	LW2-W2018 C	0.0554 U	0.429	0.181	0.344	0.104	0.668	0.109	0.17	0.391	0.0729 U	0.0234 J	0.111	0.0317 U	0.064	0.0411	567
W018	LW2-W2018 F	0.0552 U	13.8	5.7	6.59	2.04	12.5	1.61	2.45	7.98	0.005 U	0.65	3.76	0.538	1.13	1.68	1120
W023	LW2-W2023 C	0.0557 U	0.0685 U	0.0255	0.0612 U	0.0308 U	0.179 U	0.0352 U	0.06 U	0.117 U	0.0007 U	0.0037 U	0.0494	0.0307	0.045	0.032	105
W023	LW2-W2023 F	0.0563 U	0.641	0.245	0.368	0.129	0.921	0.113	0.215	0.509	0.0014 J	0.0274	0.477	0.0857	0.191	0.452	67.5
W005	LW2-W3005 C	0.0559 U	0.239	0.104	0.169	0.0711	0.437	0.0618 U	0.138 U	0.254	0.0736 U	0.0149 J	0.11	0.0315	0.0598	0.0478 U	295
W005	LW2-W3005 F	0.0562 U	2.93	1.18	1.6	0.671	3.43	0.476	0.711	2.16	0.00141 U	0.14	1.54	0.306	0.612	1.36	213
W011	LW2-W3011 C	0.000363 U	0.221	0.107	0.174	0.0735	0.425	0.0826 U	0.136 U	0.241	0.00107 U	0.00801 U	0.1 U	0.0304 U	0.0571	0.0571	280
W011	LW2-W3011 F	0.00316 U	2.62	1.14	1.48	0.597	3.12	0.416	0.666	2.07	0.00126 U	0.131	1.31	0.204	0.449	1.4	199
W013-1	LW2-W3013-1 C	0.0563 U	2.24	1.23	1.71	0.656	3.52	0.529	0.649	1.97	0.00168 U	0.111	0.309	0.0877	0.111	0.0498	2060
W013-1	LW2-W3013-1 F	0.0558 U	120	46.4	72.6	20.9	137	15.8	18.5	77	0.041 U	5.79	21.4	3.65	3.75	1.86	5920
W013-2	LW2-W3013-2 C	0.055 U	2.83	1.48	2.15	0.818	4.47	0.638	0.86	2.38	0.00273 U	0.144	0.29	0.0731	0.0869	0.0345	2160
W015	LW2-W3015 C	0.0567 U	0.187	0.1 U	0.211 U	0.114	0.627	0.164	0.14 U	0.304 U	0.0746 U	0.0822 U	0.163 U	0.0995 U	0.0822 U	0.0958 U	404
W015	LW2-W3015 F	1.43	2.96	1.18	1.95	0.727	0.000956 U	0.526	0.796	2.34	0.0194 U	0.153	3.29	0.358	0.773	6.29	398
W016-1	LW2-W3016 C	0.0554 U	0.223	0.135	0.28	0.136	0.66	0.204	0.208 U	0.346	0.00372 U	0.015 U	0.152	0.146	0.148	0.0722	581
W016-1	LW2-W3016 F	0.0119 U	4	1.94	2.64	1.29	5.93	0.779	1.1	4.06	0.0822	0.336	4.44	1.15	1.37	7.25	695
W018	LW2-W3018 C	0.0556 U	0.365 U	0.202	0.329	0.143	0.799	0.135	0.178 U	0.43	0.000764 J	0.0233 J	0.138	0.0382 U	0.0658	0.0603	487
W018	LW2-W3018 F	0.0555 U	3.91	1.6	2.56	0.873	5.21	0.631	0.94	3.31	0.0731 U	0.202	1.74	0.296	0.589	1.72	341
W023	LW2-W3023 C	0.0558 U	0.155	0.0717	0.131	0.0479 J	0.352	0.0503 U	0.113 U	0.2	0.0734 U	0.00703 U	0.0885	0.0344	0.0529	0.0542 U	204
W023	LW2-W3023 F	0.00262 J	1.45	0.6	0.764	0.32	1.78	0.264	0.449	1.17	0.00161 U	0.07	0.838	0.141	0.289	0.934	118
W005	LW3-W1005 C	0.0708 U	0.164 U	0.081 U	0.136 U	0.062 U	0.375 U	0.063 U	0.104 U	0.247 U	0.0932 U	0.012 J	0.172	0.043 U	0.102 U	0.301	84.9
W005	LW3-W1005 F	0.865 U	1.31	0.528	0.636	0.241 U	1.84	0.2	0.453	1.1	0.004 U	0.067 U	1.31	0.141	0.546	2.65	136
W023	LW3-W1023 C	0.0754 U	0.153 U	0.075 U	0.124 U	0.067 U	0.387 U	0.07 U	0.126 U	0.266 U	0.0993 U	0.012 U	0.209	0.045 U	0.126	0.292	71.8
W023	LW3-W1023 F	0.002 U	1.17	0.478	0.627	0.251	1.78	0.192 U	0.414	1.02	0.298 U	0.067 J	1.44	0.127	0.574	3.29	127
W024	LW3-W1024 C	0.0753 U	0.127 U	0.054 U	0.108 U	0.055 U	0.339 U	0.073 U	0.129 U	0.231 U	0.0991 U	0.017 U	0.161	0.041 U	0.11 U	0.23	62.2
W024	LW3-W1024 F	0.003 U	0.654	0.282	0.311	0.129 J	0.946	0.107	0.232 U	0.584	0.002 U	0.03 J	0.666	0.089 J	0.303	2.01	77.9

Notes:
C - suffix in sample ID indicates an XAD column sample.
F - suffix in sample ID indicates an XAD filter sample.
J - The associated numerical value is an estimated quantity.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-46. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Surface Water XAD Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzofuran homologs	Pentachlorodibenzofuran homologs	Hexachlorodibenzofuran homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**											
W005	LW2-W005 C	0.05	0.0158	0.0507	0.251	0.698	0.0387	0.017 U	0.014 U	0.0105 U	0.00667 U	1.1 T
W005	LW2-W005 F	0.0703	0.0413	0.394	4.05	17.2	0.0958	0.109	0.207	0.341	0.246	22.8 T
W011	LW2-W011 C	0.07	0.0614	0.104	0.34	1.05	0.0605	0.0382	0.0469	0.0553	0.0328 J	1.86 JT
W011	LW2-W011 F	0.0711	0.0703	0.593	4.51	17	0.104	0.129	0.273	0.471	0.382	23.6 T
W013-1	LW2-W013-1 C	0.0586	0.0184	0.0657	0.309	1.13	0.0512	0.0345	0.0393	0.0451	0.0296 J	1.78 JT
W013-1	LW2-W013-1 F	0.0862	0.142	1.38	9.78	36.2	0.103	0.237	0.55	0.943	0.711	50.1 T
W013-2	LW2-W013-2 C	0.044	0.00934	0.0308	0.181	0.768	0.0367	0.0185 U	0.0175 U	0.0185 U	0.0118 U	1.07 T
W013-2	LW2-W013-2 F	0.0849	0.111	0.955	8.45	36.4	0.0978	0.228	0.541	0.91	0.73	48.5 T
W015	LW2-W015 C	0.166	0.0417	0.117	0.583	2.1	0.454	0.226	0.147	0.117	0.0672	4.02 T
W015	LW2-W015 F	0.204	0.29	1.47	10.5	55.1	1.74	2.06	2.5	2.29	1.86	78 T
W023	LW2-W023 C	0.0253	0.00551 U	0.0203 U	0.0957	0.346	0.0231	0.0105 U	0.00935 U	0.0136 U	0.0114 U	0.49 T
W023	LW2-W023 F	0.09	0.0622	0.438	2.87	13.3	0.0917	0.107	0.22	0.473	0.464	18.1 T
W005	LW2-W2005 C	0.0962	0.0425	0.0515	0.145	0.276	0.0678	0.0267	0.0253	0.0191	0.00671 J	0.757 JT
W005	LW2-W2005 F	0.201	0.221	1.17	5.83	18.2	0.147	0.169	0.327	0.577	0.358	27.2 T
W011	LW2-W2011 C	0.111	0.0434	0.0527	0.14	0.285	0.0715	0.0334	0.0231	0.0223	0.00889 J	0.791 JT
W011	LW2-W2011 F	0.143	0.0886	0.593	5.17	25.2	0.173	0.235	0.52	0.867	0.704	33.7 T
W013-1	LW2-W2013-1 C	0.11	0.0325	0.0558	0.165	0.38	0.0694	0.034	0.0259	0.0167	0.00807 J	0.897 JT
W013-1	LW2-W2013-1 F	0.111	0.119	1.05	8.5	31.9	0.139	0.342	0.652	1.04	0.877	44.7 T
W013-2	LW2-W2013-2 C	6.1	0.783	0.969	1.9	2.32	0.259	0.107	0.059	0.0377	0.0109 J	12.5 JT
W013-2	LW2-W2013-2 F	0.181	0.296	1.59	8.57	26.4	0.112	0.226	0.465	0.672	0.256	38.8 T
W015	LW2-W2015 C	0.215	0.076	0.0914	0.249	0.487	0.335	0.188	0.195	0.162	0.00882 J	2.01 JT
W015	LW2-W2015 F	0.226	0.139	1.01	7.52	26	1.38	1.75	2.42	1.75	1.4	43.6 T
W023	LW2-W2023 C	0.112	0.0659	0.0671	0.176	0.324	0.0598	0.0238	0.021	0.0173	0.00764 J	0.875 JT
W023	LW2-W2023 F	0.497	0.218	1.02	3.98	9.23	0.118	0.11	0.213	0.341	0.131	15.9 T
W005	LW2-W3005 C	0.115	0.0696	0.307	1.14	2.03	0.12	0.0593	0.0642 U	0.053	0.0234 U	3.89 T
W005	LW2-W3005 F	0.337	0.81	4.77	14.5	22.8	0.304	0.397	0.864	1.19	0.596	46.6 T
W011	LW2-W3011 C	0.116	0.0678	0.165	0.616	1.53	0.109	0.0666	0.0709 U	0.0578	0.0201 U	2.73 T
W011	LW2-W3011 F	0.168	0.0965	0.604	3.78	15.7	0.202	0.282	0.564	1.08	0.983	23.5 T
W013-1	LW2-W3013-1 C	0.109	0.146	0.268	1.19	4.24	0.14	0.128	0.131	0.0914	0.0271 U	6.44 T
W013-1	LW2-W3013-1 F	0.215	0.331	3.13	27	118	0.319	0.885	1.76	2.74	1.97	156 T
W013-2	LW2-W3013-2 C	0.118	0.0732	0.205	0.92	2.86	0.126	0.0874	0.0723 U	0.0509	0.0163 U	4.44 T
W013-2	LW2-W3013-2 F	1.99	3.19	3.95	5.16	10.4	0.339	0.457	0.34	0.315	0.203	26.3 T
W015	LW2-W3015 C	0.166	0.0701	0.153	0.499	1.1	0.324	0.202	0.246	0.197	0.0184 U	2.96 T
W015	LW2-W3015 F	0.256	0.151	1.28	9.62	28.8	1.16	1.35	1.8	1.66	1.31	47.4 T
W023	LW2-W3023 C	0.146	0.0523	0.103	0.339	0.935	0.0859	0.0442	0.0458 U	0.0378	0.0178 U	1.74 T
W023	LW2-W3023 F	0.151	0.0864	0.61	4.37	17.7	0.108	0.14	0.306	0.667	0.642	24.8 T
W005	LW3-W1005 C	0.028	0.029	0.127	0.725	2.38	0.049	0.048	0.092	0.183	0.163	3.82 T
W005	LW3-W1005 F	0.047	0.094	0.711	5.3	30.7	0.14	0.224	0.537	1.24	1.2	40.2 T
W023	LW3-W1023 C	0.00309 U	0.021	0.157	0.813	2.42	0.047 U	0.04	0.099	0.158	0.148 J	3.86 JT
W023	LW3-W1023 F	0.081	0.074	0.605	3.96	20.4	0.116	0.185	0.591	1.36	1.39	28.8 T
W024	LW3-W1024 C	0.025	0.03	0.22	0.926	2.46	0.046 U	0.074	0.091	0.176	0.132 J	4.13 JT
W024	LW3-W1024 F	0.057	0.08	0.537	3.44	19.2	0.114	0.163	0.438	0.926	0.905	25.9 T

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results
(e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-47. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Surface Water XAD Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachlorodibenzofuran	1,2,3,7,8-Pentachlorodibenzofuran	2,3,4,7,8-Pentachlorodibenzofuran	1,2,3,4,7,8-Hexachlorodibenzofuran	1,2,3,6,7,8-Hexachlorodibenzofuran	1,2,3,7,8,9-Hexachlorodibenzofuran	2,3,4,6,7,8-Hexachlorodibenzofuran	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Octachlorodibenzofuran
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**																	
W005	LW2-W005 C	0.00129 U	0.00113 U	0.00134 U	0.00275 U	0.113	0.698	0.00441 U	0.0055 J	0.00144 U	0.00205 U	0.00151 U	0.00128 U	0.0005 U	0.000639 U	0.00427 U	0.00192 U	0.00667 U
W005	LW2-W005 F	0.00315 U	0.00545 J	0.00917 J	0.0256 J	1.88	17.2	0.0463	0.0161	0.0126 J	0.00928 J	0.025 J	0.00996 J	0.00144 U	0.00546 J	0.12	0.0105 J	0.246
W011	LW2-W011 C	0.00262 U	0.00225 U	0.00418 U	0.00716 U	0.163	1.05	0.0109 J	0.0036 U	0.00339 U	0.00256 U	0.00586 U	0.00383 U	0.000568 U	0.00126 U	0.0174 J	0.0059 U	0.0328 J
W011	LW2-W011 F	0.00331 U	0.00684 J	0.018 J	0.0383	2.3	17	0.0705	0.0153	0.0132 J	0.00956 J	0.0287 J	0.0108 J	0.00153 U	0.00717 J	0.152	0.0153 J	0.382
W013-1	LW2-W013-1 C	0.00234 U	0.00244 U	0.0031 U	0.00616 U	0.147	1.13	0.00971 U	0.003 U	0.00139 U	0.0025 U	0.0034 U	0.00285 U	0.000591 U	0.00117 U	0.014 J	0.00429 U	0.0296 J
W013-1	LW2-W013-1 F	0.00356 U	0.0148 J	0.0333	0.0989	5.31	36.2	0.185	0.00752	0.00673 J	0.00981 J	0.0442	0.0177 J	0.00171 U	0.0118 J	0.297	0.0351	0.711
W013-2	LW2-W013-2 C	0.00156 U	0.00132 U	0.00121 U	0.00222 U	0.0826	0.768	0.00441 U	0.0021 U	0.000863 U	0.00173 U	0.00106 U	0.000926 U	0.0005 U	0.000856 U	0.00623 U	0.00122 U	0.0118 U
W013-2	LW2-W013-2 F	0.0043 U	0.0167 J	0.025 J	0.0742	4.33	36.4	0.14	0.00773	0.00747 J	0.00961 J	0.0397	0.0155 J	0.00159 U	0.0115 J	0.29	0.0305	0.73
W015	LW2-W015 C	0.00384 U	0.00313 U	0.00324 U	0.00894 U	0.267	2.1	0.011 J	0.0961	0.0595	0.031	0.0564	0.0199 J	0.00156 U	0.0043 U	0.0399	0.0258 J	0.0672
W015	LW2-W015 F	0.0133	0.0327	0.0602	0.161	4.88	55.1	0.172	0.453	0.67	0.285	1.15	0.311	0.0229 J	0.0657	0.969	0.226	1.86
W016-1	LW2-W016 C																	
W016-1	LW2-W016 F																	
W018	LW2-W018 C																	
W018	LW2-W018 F																	
W023	LW2-W023 C	0.00144 U	0.000887 U	0.000961 U	0.00179 U	0.0454	0.346	0.00256 U	0.0023 U	0.000722 U	0.00166 U	0.000879 U	0.000791 U	0.0005 U	0.000846 U	0.00511 U	0.00116 U	0.0114 U
W023	LW2-W023 F	0.00302 U	0.00739 J	0.0141 J	0.0373	1.46	13.3	0.0571	0.00904	0.00385 J	0.00592 U	0.0123 J	0.00815 J	0.00182 U	0.00664 J	0.16	0.0123 J	0.464
W005	LW2-W2005 C	0.00163 U	0.00137 U	0.00257 U	0.00367 J	0.0762	0.276	0.00541 J	0.00391 J	0.00242 J	0.0025 U	0.00277 J	0.0026 J	0.00105 U	0.000658 J	0.00481 J	0.00415 J	0.00671 J
W005	LW2-W2005 F	0.00518 J	0.0118 J	0.0263 J	0.0799	3.06	18.2	0.135	0.0219	0.0196 J	0.0121 J	0.0398	0.0156 J	0.00145 U	0.00865 J	0.2	0.0155 J	0.358
W011	LW2-W2011 C	0.00204 U	0.0015 J	0.00229 U	0.0036 J	0.0747	0.285	0.00564 J	0.00577 J	0.00278 J	0.00259 U	0.00291 J	0.00225 J	0.00103 U	0.000908 J	0.00626 J	0.00383 J	0.00889 J
W011	LW2-W2011 F	0.00352 U	0.0104 J	0.016 J	0.0475	2.29	25.2	0.0842	0.0403	0.0353	0.0196 J	0.106	0.0306	0.00258 U	0.0113 J	0.292	0.0312	0.704
W013-1	LW2-W2013-1 C	0.00164 U	0.00175 J	0.00271 U	0.0047 J	0.0829	0.38	0.00719 J	0.0026 J	0.00114 J	0.00196 U	0.00268 J	0.00219 J	0.000937 U	0.000815 J	0.00593 J	0.00282 U	0.00807 J
W013-1	LW2-W2013-1 F	0.00367 U	0.0123 J	0.023 J	0.0631	4.4	31.9	0.131	0.0131	0.00919 J	0.0118 J	0.0807	0.0221 J	0.00178 J	0.0137 J	0.336	0.0662	0.877
W013-2	LW2-W2013-2 C	0.00165 U	0.00968 J	0.0127 J	0.0483	1.03	2.32	0.0839	0.00784	0.00495 J	0.0161 U	0.012 J	0.00477 J	0.000557 U	0.00192 J	0.0154 J	0.00487 J	0.0109 J
W013-2	LW2-W2013-2 F	0.00499 U	0.0144 J	0.0346	0.0995	4.61	26.4	0.192	0.0117	0.00919 J	0.0139 J	0.0345	0.0186 J	0.00127 J	0.0113 J	0.25	0.0213 J	0.256
W015	LW2-W2015 C	0.00481 U	0.00224 J	0.0036 J	0.00543 J	0.123	0.487	0.00875 J	0.0641	0.0472	0.0142 J	0.0245 J	0.026 J	0.004 J	0.00192 J	0.0167 J	0.0507	0.00882 J
W015	LW2-W2015 F	0.00845 U	0.0147 J	0.0311	0.0745	3.49	26	0.117	0.555	0.657	0.256	1.34	0.323	0.0235 J	0.0577	0.776	0.258	1.4
W016-1	LW2-W2016 C																	
W016-1	LW2-W2016 F																	
W018	LW2-W2018 C																	
W018	LW2-W2018 F																	
W023	LW2-W2023 C	0.00186 U	0.00169 U	0.00301 U	0.00402 J	0.0936	0.324	0.00654 J	0.00287 J	0.00137 J	0.00205 U	0.00305 J	0.0021 J	0.00104 U	0.000666 J	0.0056 J	0.00301 J	0.00764 J
W023	LW2-W2023 F	0.00953 U	0.0169 J	0.0247 J	0.0956	2.09	9.23	0.13	0.0118	0.00579 J	0.00677 U	0.0127 J	0.00983 J	0.00113 U	0.00628 U	0.135	0.0101 J	0.131
W005	LW2-W3005 C	0.00216 U	0.00307 U	0.00583 U	0.0137 J	0.55	2.03	0.0181 J	0.0106	0.00507 U	0.00452 U	0.0068 U	0.00635 U	0.00215 U	0.00293 U	0.014 U	0.0112 U	0.0234 U
W005	LW2-W3005 F	0.014 U	0.0872	0.165	0.604	6.91	22.8	0.45	0.0319	0.0323	0.0211 J	0.0801	0.0501	0.00369 J	0.0233 J	0.494	0.0435	0.596
W011	LW2-W3011 C	0.00358 U	0.00289 U	0.0055 U	0.00871 U	0.3	1.53	0.0126 U	0.0113	0.00698 U	0.00476 U	0.00896 U	0.00755 U	0.00144 U	0.00202 U	0.0149 U	0.0142 U	0.0201 U
W011	LW2-W3011 F	0.00454 J	0.0124 J	0.0245 J	0.0602	1.86	15.7	0.0868	0.0393	0.0387	0.0217 J	0.0833	0.0298 J	0.00328 J	0.0153 J	0.375	0.0318	0.983
W013-1	LW2-W3013-1 C	0.00321 U	0.00459 U	0.0111 U	0.0148 J	0.569	4.24	0.0254 J	0.0118	0.0109 U	0.0057 U	0.0145 U	0.0115 U	0.00176 U	0.00263 U	0.0245 U	0.0158 U	0.0271 U
W013-1	LW2-W3013-1 F	0.00943 U	0.0438	0.08	0.239	14.3	118	0.479	0.0387	0.0369	0.0372	0.146	0.0569	0.00377 J	0.0389	0.876	0.0855	1.97
W013-2	LW2-W3013-2 C	0.00475 U	0.00345 U	0.00606 U	0.00915 U	0.441	2.86	0.0173 J	0.00766 U	0.00341 U	0.0044 U	0.00758 U	0.00604 U	0.000788 U	0.00174 U	0.0142 U	0.00943 U	0.0163 U
W013-2	LW2-W3013-2 F	0.26	0.505	0.154	0.449	2.59	10.4	0.424	0.0162	0.0152 J	0.0137 J	0.023 J	0.0188 J	0.00131 J	0.00954 J	0.118	0.0122 J	0.203
W015	LW2-W3015 C	0.00443 U	0.00257 U	0.00443 U	0.00791 U	0.255	1.1	0.0124 U	0.0754	0.0491	0.0156 J	0.0323	0.0314	0.00409 U	0.00283 U	0.0256 J	0.0699	0.0184 U
W015	LW2-W3015 F	0.00826 U	0.0162 J	0.0332	0.0967	4.26	28.8	0.149	0.435	0.457	0.188	0.856	0.23	0.0157 J	0.0439	0.689	0.185	1.31
W016-1	LW2-W3016 C																	
W016-1	LW2-W3016 F																	
W018	LW2-W3018 C																	
W018	LW2-W3018 F																	
W023	LW2-W3023 C	0.00329 U	0.00237 U	0.00457 U	0.00693 U	0.177	0.935	0.0101 U	0.00542 U	0.00174 U	0.00315 U	0.00516 U	0.0044 U	0.00113 U	0.00176 U	0.0112 U	0.00799 U	0.0178 U
W023	LW2-W3023 F	0.00391 U	0.0103 J	0.0216 J	0.0537	2.3	17.7	0.0826	0.011	0.00456 J	0.0069 U	0.0152 J	0.0123 J	0.00144 J	0.00924 J	0.236	0.0159 J	0.642
W005	LW3-W1005 C	0.003 U	0.005 J	0.007 J	0.012 U	0.345	2.38	0.02 J	0.003 U	0.002 U	0.005 J	0.01 U	0.008 J	0.0116 U	0.002 U	0.064 J	0.012 J	0.163
W005	LW3-W1005 F	0.007 U	0.011 J	0.02 J	0.058 J	2.43	30.7	0.086	0.014 U	0.009 J	0.013 U	0.032 J	0.02 J	0.002 U	0.012 U	0.42	0.027 J	1.2
W023	LW3-W1023 C	0.004 U	0.004 J	0.009 U	0.016 J	0.4	2.42	0.021 J	0.003 J	0.002 J	0.005 U	0.01 J	0.009 U	0.002 J	0.003 J	0.055 J	0.014 U	0.148 J
W023	LW3-W1023 F	0.007 J	0.015 J	0.02 U	0.062 J	2.02	20.4	0.083	0.012 J	0.007 U	0.01 U	0.03 J	0.023 J	0.004 U	0.016 J	0.465	0.032 J	1.39
W024	LW3-W1024 C	0.005 U	0.012 U	0.016 J	0.024 J	0.436	2.46	0.032 J	0.007 U	0.01 J	0.012 U	0.021 J	0.016 J	0.009 U	0.011 J	0.062 J	0.019 J	0.132 J
W024	LW3-W1024 F	0.007 U	0.011 U	0.018 J	0.052 J	1.65	19.2	0.077 J	0.01 J	0.007 J	0.008 U	0.022 J	0.014 J	0.003 U	0.01 U	0.303	0.024 J	0.905

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Table C2-47. Dioxin, Furan, and PCB Conge

	CAS No	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0	31508-00-6	65510-44-3	52663-72-6	39635-31-9	32598-14-4	PCB156_157	TEQ_PCB	TEQ_TOTAL
	Chemical Name	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114	PCB118	PCB123	PCB167	PCB189	PCB105	PCB156 & 157	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**														
W005	LW2-W005 C	0.00175 JT	0.15	0.00825 U	0.0062 U	0.0394 U	0.0478	1.88	0.0557	0.0639	0.0095 J	0.636	0.138	0.000367 JT	0.00212 JT
W005	LW2-W005 F	0.0463 JT	0.186	0.00609 U	0.0106 J	0.00802 U	0.0453	2.03	0.0417	0.162	0.079	0.835	0.433	0.00162 JT	0.0479 JT
W011	LW2-W011 C	0.003 JT	0.171	0.0157 U	0.0089 J	0.00401 U	0.0551	2.45	0.079	0.115	0.0316	0.794	0.256	0.0014 JT	0.0044 JT
W011	LW2-W011 F	0.0576 JT	0.219	0.0083 U	0.0177 J	0.0146 U	0.0585	2.86	0.0503	0.311	0.178	1.09	0.771	0.00263 JT	0.0602 JT
W013-1	LW2-W013-1 C	0.00173 JT	0.123	0.0098 U	0.0205 U	0.0105 U	0.0407	3.12	0.0436	0.331	0.0994	0.652	0.701	0.000778 JT	0.0025 JT
W013-1	LW2-W013-1 F	0.12 JT	0.184	0.0135 U	0.0412	0.312 U	0.0819	10.2	0.116	4.54	4.09	1.46	10.2	0.0109 JT	0.131 JT
W013-2	LW2-W013-2 C	0.000903 T	0.1	0.00727 U	0.00981 U	0.0394 U	0.0248 U	2.49	0.0509 U	0.247	0.0628	0.546	0.483	0.000564 JT	0.00147 T
W013-2	LW2-W013-2 F	0.103 JT	0.169	0.0117 U	0.0252	0.24 U	0.0723	8.23	0.112	3.35	2.85	1.49	7.73	0.00774 JT	0.111 JT
W015	LW2-W015 C	0.0404 JT	0.745	0.0363	0.0213 J	0.00564 U	0.119	4.26	0.11	0.143	0.0324	1.83	0.343	0.00306 JT	0.0434 JT
W015	LW2-W015 F	0.528 JT	4.34	0.212	0.133	0.0357 U	0.772	23.2	0.601	1.04	0.288	12	3.1	0.0193 JT	0.547 JT
W016-1	LW2-W016 C		0.313	0.011 U	0.0097 J	0.00265 U	0.0517	2.28	0.0638	0.0527	0.0079 U	0.909	0.123	0.00141 JT	
W016-1	LW2-W016 F		0.824	0.0358 J	0.0388 J	0.0797 U	0.172	6.63	0.135	0.521	0.175	3	1.32	0.00571 JT	
W018	LW2-W018 C		0.193	0.0178 U	0.013 J	0.0398 U	0.0611	3.62	0.0818	0.122	0.0185 J	1.02	0.281	0.00197 JT	
W018	LW2-W018 F		0.32	0.0143 U	0.0357	0.0287 U	0.113	7.37	0.0998	0.626	0.292	2.3	1.59	0.00547 T	
W023	LW2-W023 C	0.000489 T	0.0575	0.0507 U	0.0386 U	0.0407 U	0.0172 U	0.8	0.0392	0.0235 U	0.0036 J	0.296	0.0561	0.000148 JT	0.000636 JT
W023	LW2-W023 F	0.0397 JT	0.215	0.0112 U	0.0238 J	0.0715 U	0.105	6.25	0.0873	1.08	0.683	1.92	2.96	0.00484 JT	0.0446 JT
W005	LW2-W2005 C	0.0029 JT	0.213	0.0494 U	0.0376 U	0.0397 U	0.065	2.58	0.0725	0.0966	0.0177 J	0.927	0.223	0.000526 JT	0.00343 JT
W005	LW2-W2005 F	0.0913 JT	0.252	0.0497 U	0.0241	0.0399 U	0.0832	3.75	0.0848	0.35	0.148	1.48	0.886	0.00347 JT	0.0948 JT
W011	LW2-W2011 C	0.00462 JT	0.199	0.0487 U	0.0167 J	0.0392 U	0.0805	3.07	0.0822	0.104	0.0175 U	1.08	0.254	0.00228 JT	0.00691 JT
W011	LW2-W2011 F	0.0843 JT	0.308	0.0486 U	0.031	0.0391 U	0.158	6.94	0.128	0.626	0.239	2.62	1.71	0.00506 JT	0.0893 JT
W013-1	LW2-W2013-1 C	0.00475 JT	0.176	0.0442 U	0.0337 U	0.049 U	0.0767	6.1	0.103	0.632	0.142	0.993	1.37	0.00148 JT	0.00623 JT
W013-1	LW2-W2013-1 F	0.105 JT	0.309	0.0446 U	0.209	1.4 U	0.227	38.2	0.505 U	16.3	13.3	3.71	37.8	0.0456 JT	0.15 JT
W013-2	LW2-W2013-2 C	0.0378 JT	0.162	0.0492 U	0.0086 U	0.0396 U	0.0444	2.94	0.0857	0.284	0.0722	0.782	0.637	0.000748 JT	0.0386 JT
W013-2	LW2-W2013-2 F	0.114 JT	0.193	0.0491 U	0.0667 U	0.211 U	0.0764	7.41	0.109 U	2.73	2.28	1.45	6.22	0.00431 JT	0.118 JT
W015	LW2-W2015 C	0.0275 JT	0.444	0.0257	0.0179 J	0.0397 U	0.115	3.76	0.11	0.113	0.0213 J	1.62	0.329	0.00261 JT	0.0301 JT
W015	LW2-W2015 F	0.476 JT	0.769	0.0504 U	0.0569	0.0406 U	0.212	8.02	0.196	0.577	0.202	3.62	1.38	0.00777 JT	0.483 JT
W016-1	LW2-W2016 C		0.342	0.0491 U	0.0111 U	0.0395 U	0.0757	3.03	0.103	0.0934	0.0146 U	1.15	0.208	0.000605 T	
W016-1	LW2-W2016 F		0.645	0.0487 U	0.0375	0.0392 U	0.18	6.41	0.159	0.382	0.124	2.88	0.971	0.00535 T	
W018	LW2-W2018 C		0.38	0.0491 U	0.0209 J	0.0395 U	0.131	9.52	0.132	0.381	0.0565	2.24	0.911	0.00385 JT	
W018	LW2-W2018 F		0.712	0.049 U	0.11	0.145 U	0.307	23.8	0.305	2.58	1.05	6.33	6.32	0.0176 T	
W023	LW2-W2023 C	0.00305 JT	0.131	0.0494 U	0.0077 J	0.0397 U	0.0458	1.53	0.0682	0.0411	0.0079 U	0.584	0.105	0.00108 JT	0.00413 JT
W023	LW2-W2023 F	0.0689 JT	0.151	0.0499 U	0.0145 J	0.0402 U	0.0548	2.09	0.0564	0.142	0.0431	0.881	0.383	0.00199 JT	0.0709 JT
W005	LW2-W3005 C	0.00994 JT	0.319	0.0496 U	0.0377 U	0.0399 U	0.0828	3.76	0.0908	0.137	0.0241	1.36	0.329	0.000763 JT	0.0107 JT
W005	LW2-W3005 F	0.317 JT	0.428	0.0216 U	0.0463	0.046 U	0.11	5.6	0.136 U	0.524	0.206	2.24	1.29	0.00618 T	0.323 JT
W011	LW2-W3011 C	0.00428 T	0.332	0.0495 U	0.0377 U	0.0398 U	0.0997	4.06	0.107	0.139	0.0231 J	1.49	0.337	0.000821 JT	0.0051 JT
W011	LW2-W3011 F	0.0883 JT	0.373	0.0164 U	0.0411	0.0293 U	0.11	5.42	0.0859 U	0.455	0.182	2.17	1.17	0.00557 JT	0.0939 JT
W013-1	LW2-W3013-1 C	0.0113 JT	0.33	0.0499 U	0.0491 U	0.0634 U	0.0753 U	8.18	0.151	0.949	0.272	1.68	2.09	0.00212 T	0.0134 JT
W013-1	LW2-W3013-1 F	0.337 JT	0.562	0.0335 U	0.143 U	0.786 U	0.223	29.6	0.422	10.3	8.08	4.68	23.9	0.0165 JT	0.354 JT
W013-2	LW2-W3013-2 C	0.00643 JT	0.297	0.0488 U	0.0372 U	0.0708 U	0.105	10.1	0.168	1.3	0.352	1.76	2.77	0.00272 JT	0.00914 JT
W013-2	LW2-W3013-2 F	0.91 JT													
W015	LW2-W3015 C	0.0278 JT	0.665	0.0817 U	0.071 U	0.0405 U	0.122	4.99	0.131	0.162	0.0449 U	2.07	0.381	0.00104 JT	0.0288 JT
W015	LW2-W3015 F	0.373 JT	1.04	0.0511 U	0.0696	0.0273 U	0.285	9.93	0.272	0.643	0.217	4.37	1.62	0.0095 JT	0.383 JT
W016-1	LW2-W3016 C		1.38	0.0475 U	0.0236 J	0.0395 U	0.246	7.81	0.238	0.167	0.026 U	3.72	0.43	0.00401 JT	
W016-1	LW2-W3016 F		3.07	0.116	0.109	0.0464 U	0.692	20.7	0.61	0.897	0.294 U	10.8	2.22	0.0159 T	
W018	LW2-W3018 C		0.511	0.0493 U	0.024 U	0.0397 U	0.133	8.7	0.215	0.336	0.0522	2.68	0.728	0.00165 T	
W018	LW2-W3018 F		0.351	0.0152 U	0.0531	0.0392 U	0.14	8.43	0.151	0.884	0.322	2.93	2.08	0.00765 T	
W023	LW2-W3023 C	0.00186 T	0.256	0.0495 U	0.0377 U	0.0398 U	0.0779 U	3.32	0.116 U	0.114	0.0137 J	1.27	0.248	0.000611 JT	0.00247 JT
W023	LW2-W3023 F	0.0586 JT	0.243	0.00942 U	0.021 U	0.0231 U	0.0803	3.65	0.0706 U	0.261	0.0858	1.51	0.728	0.000956 JT	0.0595 JT
W005	LW3-W1005 C	0.0155 T	0.122	0.0628 U	0.0478 U	0.505 U	0.03 J	1.72	0.036	0.06 U	0.011 U	0.598	0.21 U	0.000263 T	0.0157 T
W005	LW3-W1005 F	0.065 T	0.445	0.032 U	0.036 U	0.019 U	0.104 U	5.21	0.102 J	0.35	0.096 J	1.94	0.932	0.00125 T	0.0663 T
W023	LW3-W1023 C	0.0144 T	0.109	0.0669 U	0.008 U	0.0538 U	0.032 U	1.57	0.036	0.06	0.014 U	0.569	0.16	0.000309 T	0.0147 T
W023	LW3-W1023 F	0.0719 T	0.489	0.201 U	0.043 U	0.162 U	0.096 U	5.42	0.121	0.347	0.083 U	2.22	0.964	0.00131 T	0.0733 T
W024	LW3-W1024 C	0.0179 T	0.109	0.0668 U	0.0508 U	0.0537 U	0.029 U	1.3	0.043	0.059	0.017 U	0.485	0.16	0.000274 T	0.0182 T
W024	LW3-W1024 F	0.0414 T	0.291	0.022 U	0.032 U	0.012 U	0.056 U	3.28	0.08 U	0.221	0.057 J	1.35	0.597	0.000799 T	0.0422 T

Notes:
C - suffix in sample ID indicates an XAD column sample.
F - suffix in sample ID indicates an XAD filter sample.
J - The associated numerical value is an estimated quantity.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-48. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Surface Water XAD Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**											
W005	LW2-W005 C	22.8	13.4	5.22 J	41.4 JT	12.6	0.695 J	2.42 J	57.1 JT	35.4 T	14.1 JT	7.64 JT
W005	LW2-W005 F	15.3	10.7	7.49	33.5 T	5.85 J	0.545 J	1.72 J	41.6 JT	21.2 JT	11.2 JT	9.21 JT
W011	LW2-W011 C	20.9	15.1	7.43	43.4 T	11.5	0.702 J	3.09 J	58.7 JT	32.4 T	15.8 JT	10.5 JT
W011	LW2-W011 F	16.7	14.2	9.33	40.2 T	6.67	0.605 J	2.27 J	49.8 JT	23.4 T	14.8 JT	11.6 JT
W013-1	LW2-W013-1 C	11.3	11.9	3.88 J	27.1 JT	4.36 J	0.433 J	1.09 J	33 JT	15.7 JT	12.3 JT	4.97 JT
W013-1	LW2-W013-1 F	10.4	12.4	5.46 J	28.3 JT	2.98 J	0.289 J	0.867 J	32.4 JT	13.4 JT	12.7 JT	6.33 JT
W013-2	LW2-W013-2 C	9.57	9.81	2.59 J	22 JT	3.65 J	0.264 J	0.807 J	26.7 JT	13.2 JT	10.1 JT	3.4 JT
W013-2	LW2-W013-2 F	7.56	12	5.72 J	25.3 JT	2.01 J	0.329 J	0.865 J	28.5 JT	9.57 JT	12.3 JT	6.59 JT
W015	LW2-W015 C	1290	292	402	1980 T	1270	56.6	145	3460 T	2560 T	349 T	547 T
W015	LW2-W015 F	1820	266	1180	3270 T	787	33.1	122	4210 T	2610 T	299 T	1300 T
W016-1	LW2-W016 C	324	60.9	118	503 T	215	9.85	53.4	781 T	539 T	70.8 T	171 T
W016-1	LW2-W016 F	480	139	1220	1840 T	176	12.5	160	2190 T	656 T	152 T	1380 T
W018	LW2-W018 C	12.6	14	3.17 J	29.8 JT	4.69 J	0.394 J	1.03 J	35.9 JT	17.3 JT	14.4 JT	4.2 JT
W018	LW2-W018 F	8.3	13.4	0.884 J	22.6 JT	2.11 J	0.297 J	0.314 U	25 JT	10.4 JT	13.7 JT	0.884 JT
W023	LW2-W023 C	4.15 J	4.98 J	1.45 J	10.6 JT	1.69 J	0.154 J	0.534 UJ	12.4 JT	5.84 JT	5.13 JT	1.45 JT
W023	LW2-W023 F	7.44	11.4	8.87	27.7 T	1.57 J	0.234 J	0.847 J	30.4 JT	9.01 JT	11.6 JT	9.72 JT
W005	LW2-W2005 C	38.6	19.8	5.85	64.3 T	18	1.26	2.73	86.2 T	56.6 T	21.1 T	8.58 T
W005	LW2-W2005 F	8.05	22.7	2.76	33.5 T	4.3	1 J	0.399 U	38.8 JT	12.4 T	23.7 JT	2.76 T
W011	LW2-W2011 C	37.1	21.1	10.1	68.3 T	20.5	1.49	4.59	94.9 T	57.6 T	22.6 T	14.7 T
W011	LW2-W2011 F	27.9	24.7	32.5	85.1 T	9.19	1.4	4.57	100 T	37.1 T	26.1 T	37.1 T
W013-1	LW2-W2013-1 C	19.1	14	4.38	37.5 T	7.33	0.549 J	1.65	47 JT	26.4 T	14.5 JT	6.03 T
W013-1	LW2-W2013-1 F	16	15.2	8.06	39.3 T	4.45	0.559 J	1.84	46.1 JT	20.5 T	15.8 JT	9.9 T
W013-2	LW2-W2013-2 C	6.56	13.6	0.744 J	20.9 JT	3.98	0.565 J	0.457 U	25.4 JT	10.5 T	14.2 JT	0.744 JT
W013-2	LW2-W2013-2 F	5.45	14.7	0.598 J	20.7 JT	2.54	0.488 J	0.257 U	23.8 JT	7.99 T	15.2 JT	0.598 JT
W015	LW2-W2015 C	1110	111	138	1360 T	649	25	62	2100 T	1760 T	136 T	200 T
W015	LW2-W2015 F	1270	252	964	2490 T	485	37.5	107	3120 T	1760 T	290 T	1070 T
W016-1	LW2-W2016 C	228	48.2	42.3	319 T	140	7.64 J	27.9	494 JT	368 T	55.8 JT	70.2 T
W016-1	LW2-W2016 F	252	106	222	580 T	97.9	10.6 J	54.5	743 JT	350 T	117 JT	277 T
W018	LW2-W2018 C	23.8	14.7	2.68	41.2 T	8.87	0.795 J	0.977 J	51.8 JT	32.7 T	15.5 JT	3.66 JT
W018	LW2-W2018 F	12	16.7	10.1	38.8 T	4.94 J	0.769 J	6.91	51.4 JT	16.9 JT	17.5 JT	17 T
W023	LW2-W2023 C	10.7	12.4	3.24	26.3 T	3.8	0.393 J	1.04 J	31.6 JT	14.5 T	12.8 JT	4.28 JT
W023	LW2-W2023 F	1.3	11.6	0.18 U	12.9 T	1.02 J	0.313 J	0.168 U	14.2 JT	2.32 JT	11.9 JT	0.18 UT
W005	LW2-W3005 C	77	33	3.68 J	114 JT	32.9	1.85 J	2.39 J	151 JT	110 T	34.9 JT	6.07 JT
W005	LW2-W3005 F	0.405 J	23.7	0.186 U	24.1 JT	0.249 J	0.938 J	0.13 U	25.3 JT	0.654 JT	24.6 JT	0.186 UT
W011	LW2-W3011 C	75.4	32.9	5.39 J	114 JT	32.4	2.26 J	2.85 J	151 JT	108 T	35.2 JT	8.24 JT
W011	LW2-W3011 F	27.1	27	19.9	74 T	8.1	1.11 J	2.24 J	85.5 JT	35.2 T	28.1 JT	22.1 JT
W013-1	LW2-W3013-1 C	66.2	20.7	7.49	94.4 T	31.2	1.28 J	3.13 J	130 JT	97.4 T	22 JT	10.6 JT
W013-1	LW2-W3013-1 F	41	40.2	10.3	91.5 T	15.6	1.89 J	2.28 J	111 JT	56.6 T	42.1 JT	12.6 JT
W013-2	LW2-W3013-2 C	36.1	21.2	2.79 J	60.1 JT	15.7	0.945 J	1.1 J	77.8 JT	51.8 T	22.1 JT	3.89 JT
W013-2	LW2-W3013-2 F	2.02 J	4.78 J	0.294 U	6.8 JT	0.647 J	0.184 J	0.198 U	7.63 JT	2.67 JT	4.96 JT	0.294 UT
W015	LW2-W3015 C	1210	107	71.1	1390 T	536	21.7	33.3	1980 T	1750 T	129 T	104 T
W015	LW2-W3015 F	1070	171	0.982 U	1240 T	347	22.3	0.623 U	1610 T	1420 T	193 T	0.982 UT
W016-1	LW2-W3016 C	1630	197	232	2060 T	749	35.8	123	2970 T	2380 T	233 T	355 T
W016-1	LW2-W3016 F	1620	466	3630	5720 T	621	54.3	402	6790 T	2240 T	520 T	4030 T
W018	LW2-W3018 C	34.6	22.4	2.6 J	59.6 JT	11.5	0.872 J	0.774 J	72.7 JT	46.1 T	23.3 JT	3.37 JT
W018	LW2-W3018 F	9.05	12.5	2.51 J	24.1 JT	2.27 J	0.382 J	0.421 J	27.1 JT	11.3 JT	12.9 JT	2.93 JT
W023	LW2-W3023 C	23.3	22.9	2.27 J	48.5 JT	8.05	0.646 J	0.644 J	57.8 JT	31.4 T	23.5 JT	2.91 JT
W023	LW2-W3023 F	8.86	17	0.648 J	26.5 JT	2.02 J	0.34 J	0.242 J	29.1 JT	10.9 JT	17.3 JT	0.89 JT
W005	LW3-W1005 C	16.8 J	64.2	79	160 JT	4.44 J	1.14 J	8.99 J	175 JT	21.2 JT	65.3 JT	88 JT
W005	LW3-W1005 F	40.4	137	227	404 T	4.97 J	2.47 J	11.8 J	424 JT	45.4 JT	139 JT	239 JT
W023	LW3-W1023 C	13.8 J	58	70.9	143 JT	3.68 J	1.2 J	7.33 J	155 JT	17.5 JT	59.2 JT	78.2 JT
W023	LW3-W1023 F	31.5 J	127	251	410 JT	4.1 J	1.91 J	13.4 J	429 JT	35.6 JT	129 JT	264 JT
W024	LW3-W1024 C	12.1 J	60.8	64.9	138 JT	3.62 J	1.13 J	7.31 J	150 JT	15.7 JT	61.9 JT	72.2 JT
W024	LW3-W1024 F	27.2 J	121	198	346 JT	3.21 J	1.72 J	10.4 J	362 JT	30.4 JT	123 JT	208 JT

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-49. Values Used in Total Chlordanes Calculations for Surface Water XAD Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**						
W005	LW2-W005 C	5.24 J	3.8 J	0.942 UJ	1.09 J	3.24 J	13.4 JT
W005	LW2-W005 F	1.09 J	1.11 J	0.0985 U	0.43 J	1.1 J	3.73 JT
W011	LW2-W011 C	6.91 J	4.99 J	1.17 J	1.42 J	4.32 J	18.8 JT
W011	LW2-W011 F	1.24 J	1.32 J	0.144 U	0.563 J	1.38 J	4.5 JT
W013-1	LW2-W013-1 C	5.66 J	3.89 J	1.17 UJ	1.13 J	3.69 J	14.4 JT
W013-1	LW2-W013-1 F	1.35 J	1.37 J	0.202 U	0.621 J	1.5 J	4.84 JT
W013-2	LW2-W013-2 C	4.51 J	3.25 J	0.832 J	1.03 J	3.05 J	12.7 JT
W013-2	LW2-W013-2 F	1.31 J	1.24 J	0.132 U	0.621 J	1.41 J	4.58 JT
W015	LW2-W015 C	22.9	19.4	1.2 J	2.87 J	9.09 J	55.5 JT
W015	LW2-W015 F	61.6	70.1	0.443 J	12.9	39.7	185 JT
W016-1	LW2-W016 C	5.45 J	4.07 J	0.897 UJ	1.11 J	3.39 J	14 JT
W016-1	LW2-W016 F	2 J	2.39 J	0.444 U	0.899 J	2.1 J	7.39 JT
W018	LW2-W018 C	6.56 J	4.59 J	1.09 UJ	1.34 J	4.05 J	16.5 JT
W018	LW2-W018 F	1.32 J	1.37 J	0.133 U	0.621 J	1.53 J	4.84 JT
W023	LW2-W023 C	3.09 J	2.21 J	0.644 UJ	0.617 J	1.95 J	7.87 JT
W023	LW2-W023 F	1.47 J	1.54 J	0.181 U	0.721 J	1.77 J	5.5 JT
W005	LW2-W2005 C	7.25	5.37	1.3 J	1.45 J	4.51	19.9 JT
W005	LW2-W2005 F	1.28 J	1.25 J	0.12 J	0.448 U	1.14 J	3.79 JT
W011	LW2-W2011 C	8.14	6	1.56 J	1.61 J	4.99	22.3 JT
W011	LW2-W2011 F	2.21 J	2.27 J	0.266 J	0.909 J	2.7	8.36 JT
W013-1	LW2-W2013-1 C	6.51	4.91	1.13 J	1.28 J	4.07	17.9 JT
W013-1	LW2-W2013-1 F	1.67 J	1.66 J	0.19 J	0.739 J	1.83 J	6.09 JT
W013-2	LW2-W2013-2 C	4.67	3.59	1.08 J	0.654 J	2.56	12.6 JT
W013-2	LW2-W2013-2 F	1.5 J	1.54 J	0.168 J	0.463 J	1.59 J	5.26 JT
W015	LW2-W2015 C	7.88	6.19	1.48 J	1.59 J	4.47	21.6 JT
W015	LW2-W2015 F	3.64	3.8	0.383 U	1.42 J	3.8	12.7 JT
W016-1	LW2-W2016 C	7.54	5.76	1.4 J	1.48 J	4.44	20.6 JT
W016-1	LW2-W2016 F	2.6	2.67	0.303 J	1.02 J	2.85	9.44 JT
W018	LW2-W2018 C	6.92	5.48	1.17 J	1.39 J	4	19 JT
W018	LW2-W2018 F	1.98 J	2.25 J	0.175 U	0.873 J	1.97 J	7.07 JT
W023	LW2-W2023 C	6.47	4.67	1.51 J	1.27 J	4.07	18 JT
W023	LW2-W2023 F	0.945 J	0.799 J	0.102 J	0.227 J	0.714 J	2.79 JT
W005	LW2-W3005 C	9.67 J	7.64 J	1.36 U	2.49 J	6.13 J	25.9 JT
W005	LW2-W3005 F	0.115 U	0.101 J	0.167 U	0.193 U	0.113 U	0.101 JT
W011	LW2-W3011 C	9.98 J	7.63 J	1.46 J	2.54 J	6.73 J	28.3 JT
W011	LW2-W3011 F	2.24 J	2.35 J	0.236 J	1.1 J	2.78 J	8.71 JT
W013-1	LW2-W3013-1 C	8.88 J	6.2 J	0.827 U	1.92 J	4.86 J	21.9 JT
W013-1	LW2-W3013-1 F	4.08 J	3.99 J	0.9 J	1.41 U	4.43 J	13.4 JT
W013-2	LW2-W3013-2 C	9.28 J	6.83 J	2.67 J	2.03 J	5.53 J	26.3 JT
W013-2	LW2-W3013-2 F	0.299 J	0.305 J	0.145 U	0.158 U	0.332 J	0.936 JT
W015	LW2-W3015 C	10 J	7.65 J	0.746 U	1.95 J	5.61 J	25.2 JT
W015	LW2-W3015 F	5.14 J	5.15 J	0.503 J	1.58 J	4.82 J	17.2 JT
W016-1	LW2-W3016 C	8.64 J	7.65 J	1.32 J	2.31 U	5.9 J	23.5 JT
W016-1	LW2-W3016 F	4.41 J	4.53 J	1.76 U	1.65 J	4.94 J	15.5 JT
W018	LW2-W3018 C	12.5	6.76 J	1.83 U	2.57 U	7.3 J	26.6 JT
W018	LW2-W3018 F	1.42 J	1.4 J	0.375 U	0.666 J	1.75 J	5.24 JT
W023	LW2-W3023 C	8.86 J	6.19 J	1.43 U	1.96 U	6.35 J	21.4 JT
W023	LW2-W3023 F	1.68 J	1.73 J	0.192 U	0.79 J	2.21 J	6.41 JT
W005	LW3-W1005 C	14.9 J	9.1 J	3.71 J	3.76 J	12.1 J	43.6 JT
W005	LW3-W1005 F	7.15 J	5.53 J	0.955 U	3.54 J	9.53 J	25.8 JT
W023	LW3-W1023 C	16.7 J	9.44 J	3.8 J	3.82 J	11.9 J	45.7 JT
W023	LW3-W1023 F	7.99 J	6.06 J	1.26 U	3.47 J	10 J	27.5 JT
W024	LW3-W1024 C	17.2 J	10.1 J	3.56 J	4.06 J	12.5 J	47.4 JT
W024	LW3-W1024 F	7.53 J	4.89 J	0.749 U	3.53 J	9.37 J	25.3 JT

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-50. Values Used in Total Endosulfans Calculations for Surface Water XAD Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**				
W005	LW2-W005 C	8.3	16.2 U	83.1	91.4 T
W005	LW2-W005 F	0.49 U	2.62 U	1.54 UJ	2.62 UT
W011	LW2-W011 C	6.22	13 U	82	88.2 T
W011	LW2-W011 F	0.226 U	0.824 U	1.01 UJ	1.01 UJT
W013-1	LW2-W013-1 C	8.54	24.1	136	169 T
W013-1	LW2-W013-1 F	1.04 U	2.38 U	1.21 UJ	2.38 UT
W013-2	LW2-W013-2 C	6.39	17.3 U	110	116 T
W013-2	LW2-W013-2 F	0.845 U	2.19 U	1.93 U	2.19 UT
W015	LW2-W015 C	7.55	17.1 U	95.4	103 T
W015	LW2-W015 F	1.6 U	4.3 U	2.21 U	4.3 UT
W016-1	LW2-W016 C	5.53 U	14.5 U	88.6	88.6 T
W016-1	LW2-W016 F	0.788 U	2.22 U	2.76 UJ	2.76 UJT
W018	LW2-W018 C	7.01	20.1	122	149 T
W018	LW2-W018 F	1.03 U	0.74 U	0.666 U	1.03 UT
W023	LW2-W023 C	3.94 J	7.61 U	53.1	57 JT
W023	LW2-W023 F	0.462 U	2.03 U	0.84 UJ	2.03 UT
W005	LW2-W2005 C	10.4	7.26	74.5	92.2 T
W005	LW2-W2005 F	0.988 U	2.41 U	5.87 U	5.87 UT
W011	LW2-W2011 C	5.13	11.1	77.9	94.1 T
W011	LW2-W2011 F	0.935 U	0.909 U	2.69 J	2.69 JT
W013-1	LW2-W2013-1 C	8.07 U	8.2	71.4	79.6 T
W013-1	LW2-W2013-1 F	0.871 U	1.08 U	5.18 U	5.18 UT
W013-2	LW2-W2013-2 C	5.16	3.7 J	5.23	14.1 JT
W013-2	LW2-W2013-2 F	0.574 U	1.11 J	5.78 U	1.11 JT
W015	LW2-W2015 C	13.5	8.4 U	66	79.5 T
W015	LW2-W2015 F	1.51 U	2.67 U	1.22 U	2.67 UT
W016-1	LW2-W2016 C	18	7.43	14.7	40.1 T
W016-1	LW2-W2016 F	0.894 U	1.22 U	5.75 U	5.75 UT
W018	LW2-W2018 C	8.62	7.93	74.8	91.4 T
W018	LW2-W2018 F	1.1 U	0.962 U	5.79 U	5.79 UT
W023	LW2-W2023 C	7.07	7.26	66	80.3 T
W023	LW2-W2023 F	0.994 U	1.35 U	0.395 J	0.395 JT
W005	LW2-W3005 C	45.7	24.3	221	291 T
W005	LW2-W3005 F	0.278 UJ	1.13 UJ	0.538 UJ	1.13 UJT
W011	LW2-W3011 C	47.8	28.4	270	346 T
W011	LW2-W3011 F	1.03 UJ	1.23 UJ	2.86 J	2.86 JT
W013-1	LW2-W3013-1 C	50.8	27.5	340	418 T
W013-1	LW2-W3013-1 F	2.11 UJ	1.65 UJ	2.77 J	2.77 JT
W013-2	LW2-W3013-2 C	54.3	33.1	291	378 T
W013-2	LW2-W3013-2 F	0.552 J	1.26 UJ	0.0729 UJ	0.552 JT
W015	LW2-W3015 C	40.9	22.2	262	325 T
W015	LW2-W3015 F	6.2 J	1.62 UJ	3.68 J	9.88 JT
W016-1	LW2-W3016 C	50.6	27.5	260	338 T
W016-1	LW2-W3016 F	2.34 J	1.3 UJ	5.32 J	7.66 JT
W018	LW2-W3018 C	51.6	31.8	352	435 T
W018	LW2-W3018 F	0.727 UJ	1.06 UJ	1.57 J	1.57 JT
W023	LW2-W3023 C	52.1	35.7	274	362 T
W023	LW2-W3023 F	0.772 J	0.774 UJ	1.62 J	2.39 JT
W005	LW3-W1005 C	20.1 J	91.3	581	692 JT
W005	LW3-W1005 F	0.627 U R		12.4 J	12.4 JT
W023	LW3-W1023 C	12.4 U	83.5	544	628 T
W023	LW3-W1023 F	1.2 J R		19.8 J	21 JT
W024	LW3-W1024 C	14.4 U	76.7	488	565 T
W024	LW3-W1024 F	4.51 U R		13.6 J	13.6 JT

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

R - The data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification. (Overrides all qualifications and their codes.)

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-51. PAH Values Used in Total PAH Calculations for Surface Water XAD Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3
	Chemical Name	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h) anthracene	Benzo(a) anthracene
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**										
W005	LW2-W005 C	2420	1450	375	433	983	6530 U	1970	7630 T	14.1 U	133 J
W005	LW2-W005 F	175 U	92.7 U	137 U	242	120 J	720 U	724 U	362 JT	69.1 U	535
W011	LW2-W011 C	2170	998	346	441	1030	5870 U	1870	6860 T	44.4 U	113 J
W011	LW2-W011 F	111 U	51.8 U	120 U	156 U	78 U	507 U	493 U	507 UT	44.3 U	267 U
W013-1	LW2-W013-1 C	4040	1490	581	351	1150	10100	1720	19400 T	19.1 U	106 J
W013-1	LW2-W013-1 F	208 U	64.5 U	135 U	193	88.1 J	714 U	598 U	281 JT	73.9 U	436
W013-2	LW2-W013-2 C	5770	1220	639	294	986	10900	1270	21100 T	5.5 U	71.5 J
W013-2	LW2-W013-2 F	154 U	62.2 U	124 U	170 U	83.5 J	557 U	523 U	83.5 JT	58.5 U	358
W015	LW2-W015 C	4300	7810	889	2150	4540	10200	10800	40700 T	23.7 U	572
W015	LW2-W015 F	621 U	219	331	799	321	1310 U	2420	4090 T	509	2780
W016-1	LW2-W016 C	2720	637	495	289	815	5950 U	1760	6720 T	6.16 U	149 J
W016-1	LW2-W016 F	219 U	74.2 U	159 U	222	107 J	617 U	822 U	329 JT	170 J	707
W018	LW2-W018 C	2540	424	549	278	777	5270 U	1100	5670 T	14 U	70.5 J
W018	LW2-W018 F	176 U	46.3 U	151 U	176	74.9 U	540 U	612 U	176 T	69 U	311
W023	LW2-W023 C	1630	207	282	164 U	414	3620 U	788	3320 T	11.8 U	52 J
W023	LW2-W023 F	144 U	49 U	150 U	135 U	63.9 U	602 U	524 U	602 UT	46.6 U	236 U
W005	LW2-W2005 C	3630	1240	401 U	305 U	991	4260 U	1610	7470 T	43.6 U	171
W005	LW2-W2005 F	430 U	103 U	187 U	250 U	116 U	1020 U	825 U	1020 UT	101 J	458
W011	LW2-W2011 C	12300	2390	1000	486	2020	15300	3170	36700 T	60.2 U	178
W011	LW2-W2011 F	477 U	153 U	246 U	338 U	144 U	1200 U	1010 U	1200 UT	103 J	530
W013-1	LW2-W2013-1 C	10900	2040	919	423	1960	18400 U	2570	18800 T	36.9 U	118 J
W013-1	LW2-W2013-1 F	544 U	132 U	191 U	258 U	162 U	1090 U	856 U	1090 UT	90.2 U	453
W013-2	LW2-W2013-2 C	9640	1750	534 U	452 U	1460	16900	2080	31800 T	29.4 U	118 J
W013-2	LW2-W2013-2 F	185 U	59 U	113 U	151 U	79.7 U	520 U	444 U	520 UT	51.5 U	247 U
W015	LW2-W2015 C	6050	10500	1380	860	4720	18000	5970	47500 T	51 U	461
W015	LW2-W2015 F	292 U	176 U	296 U	450	192 U	877 U	1240 U	450 T	246 U	1140
W016-1	LW2-W2016 C	2590	1000	277 U	299 U	972	4240 U	2030	6590 T	41.2 U	165
W016-1	LW2-W2016 F	705 U	150 U	247 U	285 U	176 U	1390 U	1080 U	1390 UT	126 U	478
W018	LW2-W2018 C	4270	1730	421	277 U	1170	6850	1620	16100 T	56.7 U	164
W018	LW2-W2018 F	5380	664	708 U	1550	2180	6670 U	3640	13400 T	337	1410
W023	LW2-W2023 C	24100	832	1410	381 U	1350	34500	1750	63900 T	43.4 U	75.3 J
W023	LW2-W2023 F	412 U	74.3 U	159 U	128 U	117 U	1010 U	601 U	1010 UT	37.5 U	167 U
W005	LW2-W3005 C	3290	4570	523	1490	2980	16500	5740	35100 T	25.5 J	633
W005	LW2-W3005 F	359 U	121 U	205 U	395	151 J	835	871 U	1380 JT	135 U	703
W011	LW2-W3011 C	3780	4020	333 U	1470	2750	14600 U	5470	17500 T	34.4 U	470
W011	LW2-W3011 F	506 U	189 U	200 U	484	192	1010	1290	2980 T	140 U	811
W013-1	LW2-W3013-1 C	2030	1400	525	707	1310	7260 U	2260	8230 T	28.4 U	321
W013-1	LW2-W3013-1 F	412 U	140 U	220 U	428	213	865	952 U	1510 T	130 U	675
W013-2	LW2-W3013-2 C	1770	1590	304	720 U	1290	6820 U	1750	6700 T	32.2 U	292
W013-2	LW2-W3013-2 F	689 U	116 U	136 U	288 U	201	836	387 U	1040 T	42.5 U	252
W015	LW2-W3015 C	6120	17200	1730	3210	10500	27600	30900	97300 T	60 U	2360
W015	LW2-W3015 F	297 U	257	1120 U	1430	278	930	1730 U	2900 T	865	3770
W016-1	LW2-W3016 C	2890	4380	736	1520	4330	7900 U	13600	27500 T	30.9 U	1670
W016-1	LW2-W3016 F	238 U	140 U	451 U	752	219	742	1110 U	1710 T	542	2070
W018	LW2-W3018 C	3250	26200	448 U	1870	12100	10700 U	6100	49500 T	45.4 J	167
W018	LW2-W3018 F	52.8 U	20.7 U	76.6 U	131 U	31.6 J	155 U	198 U	31.6 JT	39.2 U	159 U
W023	LW2-W3023 C	3620	433	460	560 U	615	6290 U	1050	6180 T	32.9 U	121 J
W023	LW2-W3023 F	211 U	54.9 U	114 U	126 U	71.6 U	511 U	482 U	511 UT	47.7 U	215
W005	LW3-W1005 C	8720	3420	1220	1080 U	2800	22900	4880	43900 T	216 J	112 J
W005	LW3-W1005 F	248 U	113 J	214 U	375 U	118 J	785	1080	2100 JT	113 J	735
W023	LW3-W1023 C	4160	505	482	555 U	1280	16600	1930	25000 T	325 U	48 J
W023	LW3-W1023 F	353 U	38 J	156 U	191 U	72 U	1020	832	1890 JT	72 U	339 J
W024	LW3-W1024 C	3930	374 J	471	575	1180	14800	2160	23500 JT	293 U	34 J
W024	LW3-W1024 F	256 U	29 J	93 U	143 U	61 J	721 U	703	793 JT	47 U	232 J

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Table C2-51. PAH Values Used in Total PAH Ca

	CAS No	50-32-8	207-08-9	BBJFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(a) pyrene	Benzo(k) fluoranthene	Benzo(b+j) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd) pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
Location Name	**Sample ID**										
W005	LW2-W005 C	34.9 J	22 U	38.8 J	23 U	219	1490	14.6 U	1520	3440 JT	11100 JT
W005	LW2-W005 F	555	387	531	541	789	1510	410	1790	7050 T	7410 JT
W011	LW2-W011 C	40.1 J	25.4 J	47.9 J	29.3 U	213	1460	27.6 U	1320	3220 JT	10100 JT
W011	LW2-W011 F	266 U	219	335	330	435	898	240	1010	3470 T	3470 T
W013-1	LW2-W013-1 C	37.9 J	27.8 J	47.1 J	27.6 U	194	1110	22.9 U	990	2510 JT	21900 JT
W013-1	LW2-W013-1 F	384	300	465	449	620	1080	307	1310	5350 T	5630 JT
W013-2	LW2-W013-2 C	16.9 U	15.5 U	20.6 J	11.1 U	123 J	846	13.7 U	726	1790 JT	22900 JT
W013-2	LW2-W013-2 F	336	274	406	371	522	931	280	1060	4540 T	4620 JT
W015	LW2-W015 C	143 J	128 J	211	96.9 J	902	7480	85.3 UJ	6150	15700 JT	56400 JT
W015	LW2-W015 F	2890	2430	3210	2940	4260	6120	2430	6410	34000 T	38100 T
W016-1	LW2-W016 C	36.7 J	39.3 J	74.2 J	19.2 U	260	1500	18.1 U	1350	3410 JT	10100 JT
W016-1	LW2-W016 F	852	846	1250	872	1300	1430	767	1660	9850 JT	10200 JT
W018	LW2-W018 C	23.2 U	20.1 U	29.6 J	17.5 U	141 J	789	16.8 U	783	1810 JT	7480 JT
W018	LW2-W018 F	384	291	452	498	665	797	323	1100	4820 T	5000 T
W023	LW2-W023 C	26.3 J	16.6 U	23.4 J	20.8 U	94.5 J	416	18.3 U	432	1040 JT	4370 JT
W023	LW2-W023 F	247 U	193	294	375	353 U	666	242	821 U	1770 T	1770 T
W005	LW2-W2005 C	32.8 U	23.8 J	42.3 J	15.4 U	321	1680	38.1 U	2340	4580 JT	12000 JT
W005	LW2-W2005 F	678	530	683	719	813	994 U	519	1350 U	4500 JT	4500 JT
W011	LW2-W2011 C	48.4 J	34 J	50.3 J	23.5 U	303	1890	62.1 J	1960	4530 JT	41200 JT
W011	LW2-W2011 F	724	554	716	794	878	1230	558	1590 U	6090 JT	6090 JT
W013-1	LW2-W2013-1 C	18.3 J	16.6 J	23.7 J	9.6 U	204	1310	35.6 U	1220	2910 JT	21700 JT
W013-1	LW2-W2013-1 F	500 U	461	621	483	700	1040 U	391	1220 U	3110 T	3110 T
W013-2	LW2-W2013-2 C	31.6 J	28.7 J	45.3 J	21.4 U	222	1090	31.8 U	1070	2610 JT	34400 JT
W013-2	LW2-W2013-2 F	262 U	264	361 U	330 U	417	632 U	235	763 U	916 T	916 T
W015	LW2-W2015 C	63.2 J	96.4 J	177	31.3 J	904	7430	59.7 U	5880	15000 JT	62500 JT
W015	LW2-W2015 F	1690	1540	1860	1790	2030	2560	1500	3220	17300 T	17800 T
W016-1	LW2-W2016 C	34.8 J	37.8 J	65.7 J	19.9 U	326	1920	39 U	2170	4720 JT	11300 JT
W016-1	LW2-W2016 F	755	688	971	787	1010	1130 U	589	1580	6860 T	6860 T
W018	LW2-W2018 C	34.7 U	26.8 J	50.5 J	24.9 U	374	1740	65.2 U	2720	5080 JT	21100 JT
W018	LW2-W2018 F	1610	1680	2300	1850	2670	3600	1450	4480	21400 T	34800 T
W023	LW2-W2023 C	28.3 J	15.7 J	23.8 J	19.1 U	133 J	591	42.1 U	708	1580 JT	65500 JT
W023	LW2-W2023 F	238 U	173 U	240 U	329 U	297	446 U	185	654 U	482 T	482 T
W005	LW2-W3005 C	135 U	80.6 J	143 J	54.4 J	1000	5470	26.5 U	6530	13900 JT	49000 JT
W005	LW2-W3005 F	908	678	883	986	1180	1390	718	1960	9410 T	10800 JT
W011	LW2-W3011 C	125 J	795	123 J	44.5 J	742	3620	42.3 U	3950	9870 JT	27400 JT
W011	LW2-W3011 F	1050	702	919	1110	1340	1380	799	2040	10200 T	13100 T
W013-1	LW2-W3013-1 C	121 J	88.5 J	156	74.1 J	685	4020	33.1 U	3270	8740 JT	17000 JT
W013-1	LW2-W3013-1 F	722	655	931	838	1150	1570	625	1870	9040 T	10500 T
W013-2	LW2-W3013-2 C	81.2 U	62 U	109 U	43 J	511	2820	27.1 U	2570	6240 JT	12900 JT
W013-2	LW2-W3013-2 F	232 U	222	308	267	399	607	198	675 U	2250 T	3290 T
W015	LW2-W3015 C	336	526	758	136 J	4990	37500	92.7 U	25300	71900 JT	169000 JT
W015	LW2-W3015 F	6300	5430	6010	7510	8110	6810	6080	8150	59000 T	61900 T
W016-1	LW2-W3016 C	190 U	476	736	83.5 J	3060	20200	66.1 U	13600	39800 JT	67300 JT
W016-1	LW2-W3016 F	2570	3440	4160	3050	4340	3370	2810	4070	30400 T	32100 T
W018	LW2-W3018 C	45.5 J	34.5 U	61.9 U	44.9 J	394	3340	36.4 U	3160	7200 JT	56700 JT
W018	LW2-W3018 F	185 U	181	267	302	293 U	416 U	219	470 U	969 T	1000 JT
W023	LW2-W3023 C	54.5 U	34.7 U	52.1 U	39.7 U	238	873	24.2 U	899	2130 JT	8310 JT
W023	LW2-W3023 F	275	210	305	399	372 U	603	264	731 U	2270 T	2270 T
W005	LW3-W1005 C	61 J	46 J	56 J	50 J	204 J	1650	54 U	1990	4390 JT	48300 JT
W005	LW3-W1005 F	822	545	772	857	1150	1770	689 U	2210	8970 JT	11100 JT
W023	LW3-W1023 C	35 J	33 J	36 J	155 U	123 J	573	172 U	545	1390 JT	26400 JT
W023	LW3-W1023 F	381 J	329 J	462	536	655	910	382 U	1060	4670 JT	6560 JT
W024	LW3-W1024 C	79.5 U	31 J	33 J	33 J	110 J	452	36 U	429	1120 JT	24600 JT
W024	LW3-W1024 F	246 J	214 J	347 J	332 J	496	683	244 U	693	3240 JT	4040 JT

Notes:

C - suffix in sample ID indicates an XAD column sample.

F - suffix in sample ID indicates an XAD filter sample.

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
FC001	LW2-BTFC001	0.000666 U	0.000324 U	0.000324 U	11.2 NJ	0.00888 U	86.5 NJ	20 NJ			118 JT
FC002	LW2-BTFC002	0.00196 U	0.000782 U	0.000568 U	29.2 NJ	0.0586 U	177 NJ	33.3 NJ			240 JT
FC003	LW2-BTFC003	0.000838 U	0.000435 U	0.000962 U	3.06 NJ	0.00327 U	28.2 NJ	17.3 NJ			48.6 JT
FC004	LW2-BTFC004	0.000873 U	0.000382 U	0.000395 U	14.9 NJ	0.00668 U	43.5 NJ	22.8 NJ			81.2 JT
FC005	LW2-BTFC005	0.0132 U	0.000693 U	0.000414 U	72.2 NJ	0.096 U	120 NJ	42.2 NJ			234 JT
FC0061	LW2-BTFC006 Rep 1	0.00215 UT	0.000717 UT	0.000394 UT	61.7 NJT	0.0253 UT	266 NJT	65.2 NJT			393 JT
FC007	LW2-BTFC007	0.00117 U	0.000608 U	0.000972 U	16.3 NJ	0.0468 U	38.3 NJ	22.4 NJ			77 JT
FC008	LW2-BTFC008	0.00119 U	0.000619 U	0.000555 U	7.39 NJ	0.0667 U	38.8 NJ	22.2 NJ			68.4 JT
FC010	LW2-BTFC010	0.000852 U	0.000442 U	0.000349 U	3.25 NJ	0.0301 U	29.3 NJ	23.4 NJ			56 JT
FC011	LW2-BTFC011	0.00345 U	0.00179 U	0.000672 U	5.44 NJ	0.0193 U	45.4 NJ	26.1 NJ			76.9 JT
FC012	LW2-BTFC012	0.00102 U	0.00053 U	0.00107 U	4.13 NJ	0.00302 U	38 NJ	20.6 NJ			62.7 JT
FC013	LW2-BTFC013	0.0015 U	0.000778 U	0.000566 U	8.21 NJ	0.00587 U	62.4 NJ	38.5 NJ			109 JT
FC014	LW2-BTFC014	0.000765 U	0.000397 U	0.000351 U	2.71 NJ	0.00151 U	29 NJ	18.5 NJ			50.2 JT
FC015	LW2-BTFC015	0.00153 U	0.000795 U	0.000673 U	2.8 NJ	0.00526 U	30.8 NJ	19.2 NJ			52.8 JT
FC016	LW2-BTFC016	0.00449 U	0.00222 U	0.00093 U	15.4 NJ	0.0309 U	595 NJ	861 NJ			1470 JT
FC017	LW2-BTFC017	0.000725 U	0.000295 U	0.000257 U	7.23 NJ	0.006 U	48.1 NJ	19.7 NJ			75 JT
FC018	LW2-BTFC018	0.00233 U	0.00121 U	0.000425 U	2.34 NJ	0.00615 U	40 NJ	20.8 NJ			63.1 JT
FC019	LW2-BTFC019	0.0016 U	0.000828 U	0.000468 U	3.3 NJ	0.00584 U	30.7 NJ	25.5 NJ			59.5 JT
FC020	LW2-BTFC020	0.000859 U	0.000445 U	0.000328 U	5.84 NJ	0.00754 U	46.9 NJ	18.4 NJ			71.1 JT
FC021	LW2-BTFC021	0.000714 U	0.000351 U	0.000296 U	6.53 NJ	0.00832 U	40.3 NJ	15.9 NJ			62.7 JT
FC022	LW2-BTFC022	0.00109 U	0.000564 U	0.000427 U	3.28 NJ	0.00726 U	101 NJ	61.9 NJ			166 JT
FC024	LW2-BTFC024	0.00107 U	0.000554 U	0.000378 U	16.7 NJ	0.012 U	90.3 NJ	24.1 NJ			131 JT
FC025	LW2-BTFC025	0.00142 U	0.000517 U	0.000398 U	13.5 NJ	0.0126 U	64.3 NJ	28.5 NJ			106 JT
FC026	LW2-BTFC026	0.00158 U	0.00082 U	0.00113 U	3.28 NJ	0.0114 U	131 NJ	112 NJ			246 JT
FC0271	LW2-BTFC027 Rep 1	0.000811 UT	0.000421 UT	0.000206 UT	3.24 NJT	0.00313 UT	24.6 NJT	14.4 NJT			42.2 JT
FC028	LW2-BTFC028	0.0152 U	0.000707 U	0.00026 U	102 NJ	0.395 U	154 NJ	43 NJ			299 JT
FC029	LW2-BTFC029	0.00183 U	0.00095 U	0.000374 U	3.74 NJ	0.00714 U	107 NJ	78.2 NJ			189 JT
FC030	LW2-BTFC030	0.000993 U	0.000514 U	0.000469 U	11.5 NJ	0.0131 U	58.5 NJ	36.8 NJ			107 JT
FC031	LW2-BTFC031	0.000811 U	0.000283 U	0.0003 U	2.87 NJ	0.00566 U	22.9 NJ	14.3 NJ			40.1 JT
FC032	LW2-BTFC032	0.0454 U	0.0236 U	0.0188 U	24.1 NJ	0.0436 U	95.8 NJ	123 NJ			243 JT
FC033	LW2-BTFC033	0.00172 U	0.000892 U	0.00118 U	4.1 NJ	0.0168 U	16.9 NJ	9.23 NJ			30.2 JT
BT001	LW2-BTLC001	0.00103 U	0.000535 U	0.000444 U	11.4 NJ	0.00704 U	10.2 NJ	3.3 NJ			24.9 JT
BT002	LW2-BTLC002	0.000878 U	0.000455 U	0.000289 U	19.6 NJ	0.0315 U	29.4 NJ	4.48 NJ			53.5 JT
BT003	LW2-BTLC003	0.00102 U	0.00053 U	0.000441 U	7.18 NJ	0.00351 U	5.87 NJ	2.79 NJ			15.8 JT
BT004	LW2-BTLC004	0.00199 U	0.00103 U	0.000946 U	7.57 NJ	0.00195 U	5.48 NJ	2.83 NJ			15.9 JT
BT005	LW2-BTLC005	0.00136 U	0.000704 U	0.000813 U	7.84 NJ	0.00384 U	6.93 NJ	2.84 NJ			17.6 JT
BT0061	LW2-BTLC006-1	0.00122 U	0.000633 U	0.000549 U	8.85 NJ	0.00329 U	10.4 NJ	3.54 NJ			22.8 JT
BT0062	LW2-BTLC006-2	0.00133 U	0.000688 U	0.000721 U	9.43 NJ	0.00544 U	11.2 NJ	3.31 NJ			23.9 JT
BT007	LW2-BTLC007	0.000933 U	0.000484 U	0.000437 U	20.5 NJ	0.00332 U	16.6 NJ	5.25 NJ			42.4 JT
BT008	LW2-BTLC008	0.000801 U	0.000415 U	0.000384 U	18.1 NJ	0.00498 U	14.8 NJ	5.75 NJ			38.7 JT
BT009	LW2-BTLC009	0.00118 U	0.00061 U	0.00049 U	7.56 NJ	0.00264 U	6.45 NJ	3.07 NJ			17.1 JT
BT010	LW2-BTLC010	0.00167 U	0.000865 U	0.000394 U	9.64 NJ	0.00627 U	6.13 NJ	2.79 NJ			18.6 JT
BT011	LW2-BTLC011	0.000592 U	0.00027 U	0.000528 U	7.01 NJ	0.00218 U	5.73 NJ	2.9 NJ			15.6 JT
BT012	LW2-BTLC012	0.000583 U	0.000302 U	0.000353 U	7.24 NJ	0.00503 U	8 NJ	3.57 NJ			18.8 JT
BT013	LW2-BTLC013	0.00109 U	0.000568 U	0.000281 U	8.57 NJ	0.00257 U	8.45 NJ	4.52 NJ			21.5 JT
BT014	LW2-BTLC014	0.000991 U	0.000449 U	0.000345 U	10.2 NJ	0.00394 U	6.6 NJ	3.43 NJ			20.2 JT

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
BT015	LW2-BTLC015	0.00102 U	0.000472 U	0.000292 U	10.9 NJ	0.00147 U	7.13 NJ	3.66 NJ			21.7 JT
BT016	LW2-BTLC016	0.00106 U	0.000458 U	0.000281 U	10.3 NJ	0.00423 U	17.3 NJ	15.4 NJ			43 JT
BT017	LW2-BTLC017	0.0175 U	0.0011 U	0.00135 U	0.0194 U	118 NJ	0.00671 U	6.44 NJ			124 JT
BT018	LW2-BTLC018	0.000781 U	0.000405 U	0.0003 U	7.8 NJ	0.00759 U	7.63 NJ	4.23 NJ			19.7 JT
BT019	LW2-BTLC019	0.000913 U	0.000474 U	0.000232 U	11.5 NJ	0.00199 U	7.35 NJ	3.69 NJ			22.5 JT
BT020	LW2-BTLC020	0.00144 U	0.000745 U	0.000494 U	20.9 NJ	0.00185 U	18.3 NJ	5.07 NJ			44.3 JT
BT021	LW2-BTLC021	0.00184 U	0.000955 U	0.000753 U	8.86 NJ	0.00281 U	7.28 NJ	2.87 NJ			19 JT
BT022	LW2-BTLC022	0.000969 U	0.000495 U	0.000526 U	22.9 NJ	0.00345 U	32.2 NJ	8.61 NJ			63.7 JT
BT023	LW2-BTLC023	0.00115 U	0.000482 U	0.000316 U	11.4 NJ	0.0132 U	11.4 NJ	4.01 NJ			26.8 JT
BT024	LW2-BTLC024	0.000806 U	0.000352 U	0.000331 U	23.4 NJ	0.00851 U	30.3 NJ	6.37 NJ			60.1 JT
BT025	LW2-BTLC025	0.00086 U	0.000446 U	0.000465 U	9.58 NJ	0.00184 U	7.28 NJ	3.42 NJ			20.3 JT
BT026	LW2-BTLC026	0.00089 U	0.000462 U	0.000286 U	6.88 NJ	0.0021 U	11.2 NJ	5.77 NJ			23.9 JT
BT0271	LW2-BTLC027-1	0.000505 U	0.000262 U	0.000253 U	10.1 NJ	0.00316 U	8.49 NJ	4.89 NJ			23.5 JT
BT0272	LW2-BTLC027-2	0.000767 U	0.000398 U	0.000396 U	9.83 NJ	0.00373 U	7.56 NJ	3.22 NJ			20.6 JT
BT028	LW2-BTLC028	0.006 U	0.000685 U	0.0003 U	0.00667 U	121 NJ	0.0062 U	6.66 NJ			128 JT
BT029	LW2-BTLC029	0.000993 U	0.000515 U	0.000562 U	9.06 NJ	0.00131 U	8.27 NJ	3.46 NJ			20.8 JT
BT030	LW2-BTLC030	0.00363 U	0.00188 U	0.00133 U	13.4 NJ	0.00542 U	11.4 NJ	4.26 NJ			29.1 JT
BT031	LW2-BTLC031	0.00105 U	0.00054 U	0.000399 U	12 NJ	0.00559 U	8.65 NJ	3.35 NJ			24 JT
BT032	LW2-BTLC032	0.000928 U	0.000425 U	0.000517 U	15.8 NJ	0.00512 U	12.9 NJ	14.5 NJ			43.2 JT
BT033	LW2-BTLC033	0.00092 U	0.000477 U	0.000341 U	11.5 NJ	0.00563 U	6.8 NJ	3.57 NJ			21.9 JT
BT001	LW2-BTLW001	0.00781 U	0.000271 U	0.000554 U	30.7 NJ	0.259 U	246 NJ	19.6 NJ			296 JT
BT002	LW2-BTLW002	0.0943 U	0.00341 U	0.00132 U	266 NJ	2.63 U	1750 NJ	104 NJ			2120 JT
BT003	LW2-BTLW003	0.000357 U	0.000185 U	0.000382 U	2.33 NJ	0.0131 U	19.4 NJ	8.02 NJ			29.8 JT
BT004	LW2-BTLW004	0.000553 U	0.000287 U	0.000466 U	5.51 NJ	0.0105 U	19.6 NJ	4.96 NJ			30.1 JT
BT005	LW2-BTLW005	0.000695 U	0.000256 U	0.000235 U	26.9 NJ	0.0347 U	158 NJ	39.5 NJ			224 JT
BT0061	LW2-BTLW006-1	0.00951 U	0.000274 U	0.000374 U	41.6 NJ	0.15 U	304 NJ	49.3 NJ			395 JT
BT0062	LW2-BTLW006-2	0.0099 U	0.000412 U	0.000478 U	57.4 NJ	0.171 U	368 NJ	59.9 NJ			485 JT
BT007	LW2-BTLW007	0.00135 U	0.000345 U	0.00144 U	10.4 NJ	0.0179 U	34.9 NJ	9.42 NJ			54.7 JT
BT008	LW2-BTLW008	0.00046 U	0.000179 U	0.000237 U	15.8 NJ	0.0288 U	60 NJ	25.4 NJ			101 JT
BT009	LW2-BTLW009	0.00215 U	0.00112 U	0.000725 U	22.6 NJ	0.0238 U	44.9 NJ	21.7 NJ			89.2 JT
BT010	LW2-BTLW010	0.000652 U	0.000338 U	0.000577 U	8.47 NJ	0.0074 U	46.2 NJ	21.4 NJ			76.1 JT
BT011	LW2-BTLW011	0.00069 U	0.000294 U	0.000691 U	7.94 NJ	0.0109 U	42.8 NJ	18.7 NJ			69.4 JT
BT012	LW2-BTLW012	0.000918 U	0.000568 U	0.00138 U	31.9 NJ	0.111 U	152 NJ	44.2 NJ			228 JT
BT013	LW2-BTLW013	0.000565 U	0.000293 U	0.000258 U	5.36 NJ	0.00702 U	75.3 NJ	106 NJ			187 JT
BT014	LW2-BTLW014	0.000935 U	0.000485 U	0.000438 U	4.93 NJ	0.0177 U	32.4 NJ	13.9 NJ			51.2 JT
BT015	LW2-BTLW015	0.000517 U	0.000281 U	0.000682 U	4.93 NJ	0.0269 U	32.1 NJ	13 NJ			50 JT
BT016	LW2-BTLW016	0.00943 U	0.00442 U	0.000595 U	31.5 NJ	0.601 U	1040 NJ	787 NJ			1860 JT
BT017	LW2-BTLW017	0.0147 U	0.00765 U	0.00959 U	0.0164 U	1830 NJ	0.0676 U	39.2 NJ			1870 JT
BT018	LW2-BTLW018	0.000723 U	0.000192 U	0.000437 U	19.5 NJ	0.026 U	80.5 NJ	36.3 NJ			136 JT
BT019	LW2-BTLW019	0.000975 U	0.000505 U	0.000509 U	3.84 NJ	0.00794 U	30.2 NJ	17.2 NJ			51.2 JT
BT020	LW2-BTLW020	0.00141 U	0.000729 U	0.00036 U	11.1 NJ	0.00996 U	37.5 NJ	12.2 NJ			60.8 JT
BT021	LW2-BTLW021	0.000615 U	0.000158 U	0.000318 U	22.3 NJ	0.0339 U	66.7 NJ	25 NJ			114 JT
BT022	LW2-BTLW022	0.000624 U	0.000153 U	0.000371 U	9.51 NJ	0.0719 U	233 NJ	69.8 NJ			312 JT
BT023	LW2-BTLW023	0.00129 U	0.000284 U	0.000619 U	19.2 NJ	0.226 U	348 NJ	27.1 NJ			394 JT
BT024	LW2-BTLW024	0.000459 U	0.000205 U	0.00028 U	22.7 NJ	0.0937 U	315 NJ	54.7 NJ			392 JT
BT025	LW2-BTLW025	0.000408 U	0.00016 U	0.00039 U	12.3 NJ	0.0653 U	69.2 NJ	32.5 NJ			114 JT

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
BT026	LW2-BTLW026	0.00629 U	0.00326 U	0.00262 U	10.1 NJ	0.0308 U	265 NJ	138 NJ			413 JT
BT0271	LW2-BTLW027-1	0.00252 U	0.00131 U	0.00175 U	3.77 NJ	0.0154 U	44.5 NJ	20.6 NJ			68.9 JT
BT0272	LW2-BTLW027-2	0.0027 U	0.0014 U	0.000704 U	2.8 NJ	0.0064 U	34.3 NJ	22.3 NJ			59.4 JT
BT028	LW2-BTLW028	0.0873 U	0.0118 U	0.0249 U	1880 NJ	1.07 U	1220 NJ	128 NJ			3230 JT
BT029	LW2-BTLW029	0.00047 U	0.000244 U	0.000388 U	2.87 NJ	0.00935 U	55.4 NJ	44.1 NJ			102 JT
BT030	LW2-BTLW030	0.00298 U	0.00155 U	0.000525 U	5.08 NJ	0.0137 U	67.7 NJ	37.4 NJ			110 JT
BT031	LW2-BTLW031	0.000532 U	0.000187 U	0.000227 U	3.18 NJ	0.00541 U	24.9 NJ	12.5 NJ			40.6 JT
BT032	LW2-BTLW032	0.0202 U	0.00552 U	0.00353 U	155 NJ	0.0459 U	239 NJ	536 NJ			930 JT
BT033	LW2-BTLW033	0.00103 U	0.000534 U	0.000238 U	7.38 NJ	0.00428 U	24.1 NJ	16.7 NJ			48.2 JT
MIT001	LW2-MIT001	0.000532 U	0.000276 U	0.000241 U	0.000591 U	25.7 NJ	0.00374 U	11.7 NJ			37.4 JT
MIT002	LW2-MIT002	0.00065 U	0.000168 U	0.000228 U	0.000723 U	14.4 NJ	0.00546 U	10.8 NJ			25.2 JT
MIT356	LW2-MIT003/005/006	0.000725 U	0.00031 U	0.000214 U	0.000806 U	19.9 NJ	0.00267 U	14.9 NJ			34.8 JT
MIT004	LW2-MIT004	0.00146 U	0.000718 U	0.00076 U	3.63 NJ	0.0092 U	110 NJ	376 NJ			490 JT
MIT007	LW2-MIT007	0.00247 U	0.00128 U	0.00188 U	1.95 NJ	0.00522 U	13.5 NJ	13.9 NJ			29.4 JT
MIT810	LW2-MIT008/010	0.00107 U	0.000365 U	0.000391 U	0.00119 U	16.1 NJ	0.00729 U	11.5 NJ			27.6 JT
MIT009	LW2-MIT009	0.000696 U	0.000228 U	0.000312 U	7.45 NJ	0.00381 U	21 NJ	45.3 NJ			73.8 JT
T01	LW2-T01 SC	0.00171 U	0.000597 U	0.00151 U	8.16 NJ	0.00502 U	24.9 NJ	55.1 NJ			88.2 JT
T01	LW2-T01-NOAA SC	0.00377 U	0.00135 U	0.00327 U	4.04 NJ	0.00511 U	15.7 NJ	23.3 NJ			43 JT
T01	LW2-T01-REP1	0.000519 U	0.000235 U	0.000202 U	4.67 NJ	0.00903 U	40.9 NJ	263 NJ			309 JT
T01	LW2-T01-REP2	0.00044 U	0.000188 U	0.000203 U	5.91 NJ	0.0153 U	36.1 NJ	43.6 NJ			85.6 JT
T01	LW2-T01-REP3	0.000541 U	0.000214 U	0.000188 U	4.95 NJ	0.0115 U	24 NJ	45 NJ			74 JT
T02	LW2-T02 SC	0.00299 U	0.00155 U	0.00217 U	10.7 NJ	0.00804 U	22.5 NJ	18.9 NJ			52.1 JT
T02	LW2-T02-NOAA SC	0.00365 U	0.00176 U	0.00276 U	0.00406 U	42.2 NJ	0.0199 U	12.9 NJ			55.1 JT
T02	LW2-T02-REP1	0.000582 U	0.000173 U	0.000187 U	10.3 NJ	0.0174 U	38 NJ	44.5 NJ			92.8 JT
T02	LW2-T02-REP2	0.00071 U	0.000184 U	0.000192 U	8.77 NJ	0.0157 U	35.7 NJ	55.6 NJ			100 JT
T02	LW2-T02-REP3	0.00125 U	0.000177 U	0.000203 U	13.1 NJ	0.0243 U	42.2 NJ	45.9 NJ			101 JT
T03	LW2-T03 SC	0.00246 U	0.000891 U	0.00154 U	11.4 NJ	0.00577 U	27.6 NJ	124 NJ			163 JT
T03	LW2-T03-REP1	0.000911 U	0.00031 U	0.000294 U	7.42 NJ	0.00628 U	47.1 NJ	198 NJ			253 JT
T03	LW2-T03-REP2	0.000999 U	0.00034 U	0.000288 U	6.14 NJ	0.00653 U	32.1 NJ	103 NJ			141 JT
T03	LW2-T03-REP3	0.000964 U	0.000343 U	0.000317 U	9.31 NJ	0.0112 U	64 NJ	126 NJ			199 JT
T04	LW2-T04 SC	0.00112 U	0.000581 U	0.000761 U	0.87 NJ	0.00111 U	4.87 NJ	3.43 NJ			9.17 JT
T04	LW2-T04-REP1	0.000311 U	0.000161 U	0.000205 U	0.646 NJ	0.00225 U	5.98 NJ	5.45 NJ			12.1 JT
T04	LW2-T04-REP2	0.000246 U	0.000128 U	0.000191 U	0.91 NJ	0.00299 U	10.3 NJ	9.14 NJ			20.4 JT
T04	LW2-T04-REP3	0.000232 U	0.00012 U	0.000183 U	0.757 NJ	0.00277 U	7.87 NJ	6.54 NJ			15.2 JT
02R001	LWG0102R001TSCRWBC00	0.95 U	0.95 U	0.95 U	0.95 U	8.3 U	8.1 U	21 J	0.95 U	0.95 U	21 JT
02R001	LWG0102R001TSSPWBC00	38 U	38 U	38 U	38 UJ	1900 J	1400 UJ	430 J	38 UJ	38 UJ	2330 JT
02R015	LWG0102R015TSCRWBC00	0.95 U	0.95 U	0.95 U	0.95 U	7.4 U	9.5 U	28 J	0.95 U	0.95 U	28 JT
02R015	LWG0102R015TSSPWBC00	38 U	38 U	38 U	38 U	2600	2100 U	760	38 U	38 U	3360 T
03R001	LWG0103R001TSCRWBC00	0.95 U	3.6 U	1.2 U	1 U	1.7 U	5.7 U	3.4 U	0.95 U	0.95 U	5.7 UT
03R001	LWG0103R001TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	81 J	66 UJ	63 J	1.9 UJ	1.9 UJ	144 JT
03R002	LWG0103R002TSCRWBC00	0.95 U	5.2 U	1.3 U	1 U	1.5 U	1.7 U	1.9 U	0.95 U	0.95 U	5.2 UT
03R002	LWG0103R002TSSPWBC10	1.9 U	1.9 U	1.9 U	1.9 UJ	54 J	67 UJ	67 J	1.9 UJ	1.9 UJ	121 JT
03R002	LWG0103R002TSSPWBC20	1.9 U	1.9 U	1.9 U	1.9 UJ	86 J	78 UJ	84 J	1.9 UJ	1.9 UJ	170 JT
03R003	LWG0103R003TSCRWBC00	1 U	5.3 U	1.5 U	1.4 U	3.8 U	5.3 U	8.5 U	0.95 U	0.95 U	8.5 UT
03R004	LWG0103R004TSCRWBC00	2.4 U	3.2 U	4.2 U	3.4 U	7 U	5.8 U	3.8 U	0.95 U	0.95 U	7 UT
03R004	LWG0103R004TSSPWBC10	9.5 U	9.5 U	9.5 U	9.5 U	240	180 U	84	9.5 U	9.5 U	324 T

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
03R004	LWG0103R004TSSPWBC20	9.5 U	9.5 U	9.5 U	9.5 U	220	170 U	85	9.5 U	9.5 U	305 T
03R005	LWG0103R005TSCRWBC00	9.7 U	26 U	30 U	18 U	30 U	61 U	280	9.5 U	9.5 U	280 T
03R005	LWG0103R005TSSPWBC00	9.5 U	9.5 U	9.5 U	9.5 U	130	190 U	230	9.5 U	9.5 U	360 T
03R014	LWG0103R014TSLSWBC10	38 U	38 U	38 U	38 UJ	1400 J	1500 UJ	620 J	38 UJ	38 UJ	2020 JT
03R014	LWG0103R014TSLSWBC20	7.6 U	7.6 U	7.6 U	7.6 U	170	310 U	180	7.6 U	7.6 U	350 T
03R014	LWG0103R014TSNPWBC10	19 U	19 U	19 U	19 U	150	400 U	560	19 U	19 U	710 T
03R014	LWG0103R014TSNPWBC20	7.6 U	7.6 U	7.6 U	7.6 U	150	280 U	220	7.6 U	7.6 U	370 T
03R014	LWG0103R014TSPMWBC00	1.9 U	1.9 U	1.9 U	1.9 U	79	120 U	68	1.9 U	1.9 U	147 T
03R014	LWG0103R014TSSBFLC00	1.9 U	1.9 U	1.9 U	1.9 U	26	52 U	34	1.9 U	1.9 U	60 T
03R014	LWG0103R014TSSBWBC00	7.6 U	7.6 U	7.6 U	7.6 U	460	660 U	320	7.6 U	7.6 U	780 T
03R032	LWG0103R032TSCRWBC00	0.95 U	4.5 U	1.2 U	1 U	1.4 U	2.5 U	2.8 U	0.95 U	0.95 U	4.5 UT
03R032	LWG0103R032TSSPWBC00	3.8 U	3.8 U	3.8 U	3.8 U	52	81 U	120	3.8 U	3.8 U	172 T
03R034	LWG0103R034TSSPWBC00	38 U	38 U	38 U	38 U	190	220 U	310	38 U	38 U	500 T
04R002	LWG0104R002TSCRWBC00	0.95 U	2.1 U	0.95 U	0.95 U	1 U	4.9 U	5 U	0.95 U	0.95 U	5 UT
04R002	LWG0104R002TSSPWBC00	9.5 U	9.5 U	9.5 U	9.5 UJ	36 J	59 UJ	120 J	9.5 UJ	9.5 UJ	156 JT
04R003	LWG0104R003TSCRWBC00	0.95 U	2.2 U	1.4 U	1 U	1.7 U	4 U	3.6 U	0.95 U	0.95 U	4 UT
04R003	LWG0104R003TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	100 J	81 UJ	96 J	1.9 UJ	1.9 UJ	196 JT
04R004	LWG0104R004TSCRWBC10	0.95 U	2 U	0.95 U	1 U	0.95 U	1.7 U	1.7 U	0.95 U	0.95 U	2 UT
04R004	LWG0104R004TSCRWBC20	0.95 U	1.7 U	1.1 U	0.95 U	0.95 U	1 U	1.4 U	0.95 U	0.95 U	1.7 UT
04R004	LWG0104R004TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	49 J	67 UJ	74 J	1.9 UJ	1.9 UJ	123 JT
04R023	LWG0104R023TSSBWBC10	38 U	38 U	38 U	38 U	400	480 U	880 J	38 U	38 U	1280 JT
04R023	LWG0104R023TSSBWBC20	7.6 U	7.6 U	7.6 U	7.6 U	220	310 U	250	7.6 U	7.6 U	470 T
04R023	LWG0104R023TSSBWBC30	9.5 U	9.5 U	9.5 U	9.5 U	250	240 U	340 J	9.5 U	9.5 U	590 JT
05R001	LWG0105R001TSCRWBC00	0.95 U	4 U	1.3 U	0.98 U	1.3 U	2.3 U	2 U	0.95 U	0.95 U	4 UT
05R001	LWG0105R001TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	130 J	98 UJ	66 J	1.9 UJ	1.9 UJ	196 JT
05R003	LWG0105R003TSCRWBC00	0.95 U	6.5 U	0.95 U	0.95 U	1.9 U	2.5 U	27	0.95 U	0.95 U	27 T
05R006	LWG0105R006TSLSWBC00	1.9 U	1.9 U	1.9 U	1.9 U	45	61 U	50	1.9 U	1.9 U	95 T
05R006	LWG0105R006TSNPWBC00	7.6 U	7.6 U	7.6 U	7.6 U	160	460 U	280	7.6 U	7.6 U	440 T
05R006	LWG0105R006TSPMWBC00	9.5 U	9.5 U	9.5 U	9.5 U	64	110 U	110	9.5 U	9.5 U	174 T
05R006	LWG0105R006TSSBFLC00	1.9 U	1.9 U	1.9 U	1.9 U	19	32 U	27	1.9 U	1.9 U	46 T
05R006	LWG0105R006TSSBWBC00	9.5 U	9.5 U	9.5 U	9.5 U	120	190 U	270 J	9.5 U	9.5 U	390 JT
05R020	LWG0105R020TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	59 J	76 UJ	73 J	1.9 UJ	1.9 UJ	132 JT
06R001	LWG0106R001TSCRWBC00	0.95 U	2 U	0.95 U	1 U	1.1 U	2.6 U	2.2 U	0.95 U	0.95 U	2.6 UT
06R001	LWG0106R001TSSPWBC00	12 U	20 U	23 U	16 UJ	37 UJ	50 UJ	62 J	9.5 UJ	9.5 UJ	62 JT
06R002	LWG0106R002TSCAWBC00	20 U	12 U	34 U	28 U	41 U	53 U	77	1.9 U	1.9 U	77 T
06R002	LWG0106R002TSSPWBC10	38 U	130 U	44 U	50 UJ	87 UJ	190 UJ	600 J	38 UJ	38 UJ	600 JT
06R002	LWG0106R002TSSPWBC20	39 U	78 U	79 U	55 U	160 U	400 U	2300	37 U	37 U	2300 T
06R004	LWG0106R004TSCRWBC10	0.95 U	2.2 U	0.95 U	1 U	1.4 U	5.8 U	2.7 U	0.95 U	0.95 U	5.8 UT
06R004	LWG0106R004TSCRWBC20	0.95 U	2.6 U	1 U	1 U	1 U	1.7 U	1.6 U	0.95 U	0.95 U	2.6 UT
06R004	LWG0106R004TSSPWBC00	65 U	120 U	94 U	92 UJ	190 UJ	370 UJ	400 J	38 UJ	38 UJ	400 JT
06R024	LWG0106R024TSSBFLC00	1.9 U	1.9 U	1.9 U	1.9 U	20	27 U	19	1.9 U	1.9 U	39 T
06R024	LWG0106R024TSSBWBC00	9.5 U	36 U	12 J	9.5 U	42 U	130 U	240	9.5 U	9.5 U	252 JT
06R031	LWG0106R031TSCRWBC00	1 U	3.1 U	0.95 U	1 U	1 U	3.4 U	4.2 U	0.95 U	0.95 U	4.2 UT
07R003	LWG0107R003TSCAWBC00	1.9 U	1.9 U	1.9 U	1.9 U	39	64 U	23 J	1.9 U	1.9 U	62 JT
07R003	LWG0107R003TSCRWBC00	3.8 U	8.8 U	5.2 U	4 U	13 U	19 U	39	3.8 U	3.8 U	39 T
07R003	LWG0107R003TSSPWBC00	9.5 U	9.5 U	9.5 U	9.5 U	46	68 U	180 J	9.5 U	9.5 U	226 JT

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
07R004	LWG0107R004TSCRWBC00	0.95 U	3.5 U	0.95 U	0.95 U	1.1 U	3.1 U	3.5 U	0.95 U	0.95 U	3.5 UT
07R006	LWG0107R006TSCAWBC00	9.5 U	9.5 U	9.5 U	9.5 U	120	81 U	22 U	9.5 U	9.5 U	120 T
07R006	LWG0107R006TSCRWBC00	6.2 U	13 U	6.6 U	8.3 U	21 U	22 U	45 J	1.9 U	1.9 U	45 JT
07R006	LWG0107R006TSSPWBC00	9.5 U	9.5 U	9.5 U	9.5 U	290	230 U	140 J	9.5 U	9.5 U	430 JT
07R009	LWG0107R009TSLSWBC00	78 U	140 U	150 U	120 U	220 U	950 U	1400	38 U	38 U	1400 T
07R009	LWG0107R009TSNPWBC00	36 U	79 U	62 U	44 U	150 U	940 U	1800	36 U	36 U	1800 T
07R009	LWG0107R009TSSBWBC10	26 U	62 U	50 U	38 U	140 U	290 U	430	7.6 U	7.6 U	430 T
07R009	LWG0107R009TSSBWBC20	4.7 U	4.6 U	9.4 U	5.8 U	23 U	83 U	90 J	3.8 U	3.8 U	90 JT
07R009	LWG0107R009TSSBWBC30	38 U	38 U	38 U	38 UJ	410 J	390 UJ	370 J	38 UJ	38 UJ	780 JT
08R001	LWG0108R001TSCRWBC00	5.6 U	4 U	16 U	7.5 U	18 U	22 U	59	1.9 U	1.9 U	59 T
08R001	LWG0108R001TSSPWBC00	1.9 UT	1.9 UT	1.9 UT	1.9 UT	27 T	53 UT	160 T	1.9 UT	1.9 UT	187 T
08R002	LWG0108R002TSCRWBC00	1.9 U	3.5 U	4.4 U	2.3 U	6 U	9.3 U	16	1.9 U	1.9 U	16 T
08R002	LWG0108R002TSSPWBC00	1.9 U	1.9 U	1.9 U	1.9 U	67	81 U	90	1.9 U	1.9 U	157 T
08R003	LWG0108R003TSCRWBC00	1.9 U	3.6 U	3.1 U	1.9 U	5.3 U	9.8 U	43	1.9 U	1.9 U	43 T
08R003	LWG0108R003TSSPWBC00	38 U	67 U	38 U	38 UJ	130 UJ	210 UJ	480 J	38 UJ	38 UJ	480 JT
08R010	LWG0108R010TSLSWBC00	52 U	64 U	86 U	74 U	250 U	390 U	320	7.6 U	7.6 U	320 T
08R010	LWG0108R010TSNPWBC00	28 U	67 U	41 U	38 U	170 U	270 U	670	19 U	19 U	670 T
08R010	LWG0108R010TSPMWBC00	1.9 U	1.9 U	1.9 U	1.9 U	69	120 U	69	1.9 U	1.9 U	138 T
08R010	LWG0108R010TSSBWBC10	190 U	190 U	190 U	190 UJ	520 UJ	2200 UJ	4500 J	190 UJ	190 UJ	4500 JT
08R010	LWG0108R010TSSBWBC20	190 U	190 U	190 U	190 UJ	240 UJ	1300 UJ	3300 J	190 UJ	190 UJ	3300 JT
08R010	LWG0108R010TSSBWBC30	23 U	21 U	44 U	33 U	130 U	420 U	1000	19 U	19 U	1000 T
08R032	LWG0108R032TSSBFLC00	1.9 U	1.9 U	1.9 U	1.9 U	31	57 U	62	1.9 U	1.9 U	93 T
08R032	LWG0108R032TSSBWBC00	38 U	38 U	38 U	38 UJ	220 J	480 UJ	660 J	38 UJ	38 UJ	880 JT
09R001	LWG0109R001TSCRWBC10	2.1 U	4.8 U	3.3 U	2.8 U	3.9 U	9.6 U	46	1.9 U	1.9 U	46 T
09R001	LWG0109R001TSCRWBC20	3.1 U	5.8 U	3.9 U	4.2 U	5.2 U	12 U	49	1.9 U	1.9 U	49 T
09R001	LWG0109R001TSSPWBC00	85 U	180 U	44 U	47 UJ	190 UJ	170 UJ	510 J	38 UJ	38 UJ	510 JT
09R002	LWG0109R002TSCRWBC00	3.1 U	3.3 U	8.9 U	4.2 U	8.7 U	17 U	110	1.9 U	1.9 U	110 T
09R002	LWG0109R002TSSPWBC00	35 U	59 U	86 U	50 U	170 U	390 U	670	19 U	19 U	670 T
09R006	LWG0109R006TSLSWBC00	7.6 U	7.6 U	7.6 U	7.6 U	300	490 U	430	7.6 U	7.6 U	730 T
09R006	LWG0109R006TSNPWBC00	19 U	19 U	19 U	19 U	170	410 U	840	19 U	19 U	1010 T
09R006	LWG0109R006TSPMWBC00	9.5 U	9.5 U	9.5 U	9.5 U	150	180 U	140	9.5 U	9.5 U	290 T
09R006	LWG0109R006TSSBFLC00	1.9 U	1.9 U	1.9 U	1.9 U	34	37 U	38	1.9 U	1.9 U	72 T
09R006	LWG0109R006TSSBWBC00	38 U	38 U	38 U	38 UJ	340 J	620 UJ	500 J	38 UJ	38 UJ	840 JT
20R001	LWG0120R001TSBBWBC10	0.95 U	0.95 U	0.95 U	0.95 U	7.6	15 U	20 J	0.95 U	0.95 U	27.6 JT
20R001	LWG0120R001TSBBWBC20	1.6 U	4.3 U	3.1 U	3.1 U	9.7 U	22 U	44 J	0.95 U	0.95 U	44 JT
20R001	LWG0120R001TSSBWBC10	9.5 U	19 U	11 U	9.5 U	23 U	66 U	120	9.5 U	9.5 U	120 T
20R001	LWG0120R001TSSBWBC20	9.5 U	25 U	17 U	9.5 U	48 U	140 U	260 J	9.5 U	9.5 U	260 JT
20R001	LWG0120R001TSSBWBC30	11 U	24 U	26 U	14 U	59 U	150 U	290 J	9.5 U	9.5 U	290 JT
28R001	LWG0128R001TSBBWBC00	2 U	3 U	3.4 U	2.8 U	4.9 U	10 U	15 J	0.95 U	0.95 U	15 JT
28R001	LWG0128R001TSSBWBC10	9.5 U	19 U	11 U	16 U	26 U	71 U	64 U	9.5 U	9.5 U	71 UT
28R001	LWG0128R001TSSBWBC20	9.5 U	18 U	9.5 U	9.5 U	23 U	77 U	72 U	9.5 U	9.5 U	77 UT
28R001	LWG0128R001TSSBWBC30	0.95 U	0.95 U	0.95 U	0.95 U	17	40 U	46	0.95 U	0.95 U	63 T
FZ0306	LWG01FZ0306TSBBFLC10	1.9 U	1.9 U	1.9 U	1.9 U	17	30 U	36	1.9 U	1.9 U	53 T
FZ0306	LWG01FZ0306TSBBFLC20	1.9 U	1.9 U	1.9 U	1.9 U	15	26 U	22	1.9 U	1.9 U	37 T
FZ0306	LWG01FZ0306TSBBFLC30	1.9 U	1.9 U	1.9 U	1.9 U	24	33 U	32	1.9 U	1.9 U	56 T
FZ0306	LWG01FZ0306TSBBWBC10	1.9 U	1.9 U	1.9 U	1.9 U	23	49 U	44	1.9 U	1.9 U	67 T

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
FZ0306	LWG01FZ0306TSBBWBC20	5.3 U	2.2 U	8.8 U	7.5 U	43 U	120 U	90	1.9 U	1.9 U	90 T
FZ0306	LWG01FZ0306TSBBWBC30	9.5 U	9.5 U	9.5 U	9.5 U	36	75 U	89	9.5 U	9.5 U	125 T
FZ0306	LWG01FZ0306TSBCFLC10	1.9 U	1.9 U	1.9 U	1.9 U	9.2	13 U	13	1.9 U	1.9 U	22.2 T
FZ0306	LWG01FZ0306TSBCFLC20	1.9 U	1.9 U	1.9 U	1.9 U	9.6	14 U	13	1.9 U	1.9 U	22.6 T
FZ0306	LWG01FZ0306TSBCWBC10	1.9 U	1.9 U	1.9 U	1.9 U	39	67 U	46	1.9 U	1.9 U	85 T
FZ0306	LWG01FZ0306TSBCWBC20	1.9 U	1.9 U	1.9 U	1.9 U	42	69 U	48	1.9 U	1.9 U	90 T
FZ0306	LWG01FZ0306TSCPFLC10	38 U	38 U	38 U	38 U	180	470 U	490	38 U	38 U	670 T
FZ0306	LWG01FZ0306TSCPFLC20	3.8 U	3.8 U	3.8 U	3.8 U	110	240 U	240	3.8 U	3.8 U	350 T
FZ0306	LWG01FZ0306TSCPFLC30	38 U	38 U	38 U	38 U	410	760 U	650	38 U	38 U	1060 T
FZ0306	LWG01FZ0306TSCPWBC10	9.5 U	9.5 U	9.5 U	9.5 U	110	170 U	190	9.5 U	9.5 U	300 T
FZ0306	LWG01FZ0306TSCPWBC20	470 U	390 U	550 U	630 UJ	730 UJ	5200 UJ	6500 J	190 UJ	190 UJ	6500 JT
FZ0306	LWG01FZ0306TSCPWBC30	9.5 U	9.5 U	9.5 U	9.5 U	60	140 U	170	9.5 U	9.5 U	230 T
FZ0609	LWG01FZ0609TSBBFLC10	1.9 U	1.9 U	1.9 U	1.9 U	24	54 U	93	1.9 U	1.9 U	117 T
FZ0609	LWG01FZ0609TSBBFLC20	38 U	54 U	70 U	40 UJ	71 UJ	390 UJ	1300 J	38 UJ	38 UJ	1300 JT
FZ0609	LWG01FZ0609TSBBFLC30	38 U	140 U	38 U	38 U	42 U	180 U	560	38 U	38 U	560 T
FZ0609	LWG01FZ0609TSBBWBC10	38 U	38 U	38 U	38 U	38 U	38 U	1700	38 U	38 U	1700 T
FZ0609	LWG01FZ0609TSBBWBC20	13 U	31 U	17 U	18 U	49 U	110 U	130	9.5 U	9.5 U	130 T
FZ0609	LWG01FZ0609TSBBWBC30	3.8 U	3.8 U	3.8 U	3.8 U	64	160 U	250 J	3.8 U	3.8 U	314 JT
FZ0609	LWG01FZ0609TSBCFLC10	1.9 U	1.9 U	1.9 U	1.9 U	16	18 U	16	1.9 U	1.9 U	32 T
FZ0609	LWG01FZ0609TSBCFLC20	0.95 U	0.95 U	0.95 U	0.95 U	6.6	9.9 U	13	0.95 U	0.95 U	19.6 T
FZ0609	LWG01FZ0609TSBCWBC10	1.9 U	1.9 U	1.9 U	1.9 U	42	91 U	67	1.9 U	1.9 U	109 T
FZ0609	LWG01FZ0609TSBCWBC20	9.5 U	9.5 U	9.5 U	9.5 U	110	130 U	140	9.5 U	9.5 U	250 T
FZ0609	LWG01FZ0609TSCPFLC10	41 U	37 U	84 U	57 UJ	180 UJ	520 UJ	1200 J	37 UJ	37 UJ	1200 JT
FZ0609	LWG01FZ0609TSCPFLC20	3.8 U	3.8 U	3.8 U	3.8 U	160	200 U	230 J	3.8 U	3.8 U	390 JT
FZ0609	LWG01FZ0609TSCPFLC30	23 U	19 U	55 U	33 UJ	190 UJ	690 UJ	1200 J	19 UJ	19 UJ	1200 JT
FZ0609	LWG01FZ0609TSCPWBC10	44 U	80 U	70 U	63 U	160 U	510 U	690	38 U	38 U	690 T
FZ0609	LWG01FZ0609TSCPWBC20	38 U	38 U	38 U	38 U	270	610 U	740	38 U	38 U	1010 T
FZ0609	LWG01FZ0609TSCPWBC30	53 U	79 U	110 U	76 U	180 U	750 U	1100	19 U	19 U	1100 T
02R102	LWG1A02R102TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	13 J	23 UJ	17 J	1.9 UJ	1.9 UJ	30 JT
02R112	LWG1A02R112TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 UJ	72 J	78 UJ	28 J	1.9 UJ	1.9 UJ	100 JT
02R113	LWG1A02R113TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 U	15	25 U	17	1.9 U	1.9 U	32 T
03R118	LWG1A03R118TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 U	30	37 U	24	1.9 U	1.9 U	54 T
03R125	LWG1A03R125TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 U	36	43 U	22	1.9 U	1.9 U	58 T
04R126	LWG1A04R126TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 U	39	47 U	22	1.9 U	1.9 U	61 T
26R111	LWG1A26R111TSSCWBC00	1.9 U	1.9 U	1.9 U	1.9 U	7.1	9.2 U	7.4	1.9 U	1.9 U	14.5 T
WR-PG-Ref03	WLCDRD050184G	6.6 U	20 U	9.8 U	6.8 U	5.8 U	11 U	8.1 U	2.5 U	1.5 U	20 UT
WR-PG-Ref03	WLCDRD050187G	4.3 U	2.4 U	3 U	3.3 U	2.9 U	5.5 U	5.3 U	2.1 U	1.9 U	5.5 UT
WR-VC-11	WLCDRD05WRVC011Clam	4.3 U	2.4 U	3 U	12 J	2.6 U	13 U	3.1 U	1.6 U	1.3 U	12 T
WR-VC-11	WLCDRD05WRVC011Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	94	3.1 U	1.6 U	1.3 U	94 T
WR-VC-28	WLCDRD05WRVC028Clam	4.3 U	2.4 U	3 U	16	2.6 U	12 U	3.1 U	1.6 U	1.3 U	16 T
WR-VC-28	WLCDRD05WRVC028Worm	6.2 U	3.5 U	4.3 U	2 U	3.7 U	170	4.5 U	2.3 U	1.9 U	170 T
WR-VC-29	WLCDRD05WRVC029Clam	4.3 U	2.4 U	3 U	15	2.6 U	9.7 U	3.1 U	1.6 U	1.3 U	15 T
WR-VC-29	WLCDRD05WRVC029Worm	6.2 U	3.5 U	4.3 U	2 U	3.8 U	55	4.5 U	2.3 U	1.9 U	55 T
WR-VC-43	WLCDRD05WRVC043Clam	4.3 U	2.4 U	3 U	12 J	2.6 U	13 U	3.1 U	1.6 U	1.3 U	12 T
WR-VC-43	WLCDRD05WRVC043Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	61	3.1 U	1.6 U	1.3 U	61 T
WR-VC-46	WLCDRD05WRVC046Clam	4.3 U	2.4 U	3 U	13	2.6 U	16 U	3.1 U	1.6 U	1.3 U	13 T

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Table C2-52. PCB Aroclor Values Used in Total PCB Aroclor Calculations for Tissue Samples.

	CAS No	12674-11-2	11104-28-2	11141-16-5	53469-21-9	12672-29-6	11097-69-1	11096-82-5	37324-23-5	11100-14-4	Total PCB
	Chemical Name	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aroclors
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	Sample ID										
WR-VC-46	WLCDRD05WRVC046Worm	7.2 U	4 U	5 U	2.4 U	4.4 U	130	5.2 U	2.7 U	2.2 U	130 T
WR-VC-57	WLCDRD05WRVC057Clam	4.3 U	2.4 U	3 U	17 J	2.6 U	16 U	3.1 U	1.6 U	1.3 U	17 T
WR-VC-57	WLCDRD05WRVC057Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	250 J	3.1 U	1.6 U	1.3 U	250 T
WR-VC-66	WLCDRD05WRVC066Clam	4.3 U	2.4 U	3 U	11 J	2.6 U	20 U	3.1 U	1.6 U	1.3 U	11 T
WR-VC-66	WLCDRD05WRVC066Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	190	3.1 U	1.6 U	1.3 U	190 T
WR-VC-72	WLCDRD05WRVC072Clam	4.3 U	2.4 U	3 U	17	2.6 U	15 U	3.1 U	1.6 U	1.3 U	17 T
WR-VC-72	WLCDRD05WRVC072Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	270	3.1 U	1.6 U	1.3 U	270 T
WR-VC-108	WLCDRD05WRVC108Clam	4.3 U	2.4 U	3 U	22	2.6 U	22 U	3.1 U	1.6 U	1.3 U	22 T
WR-VC-108	WLCDRD05WRVC108Worm	14 U	7.3 U	9.1 U	4.3 U	7.9 U	470 J	9.4 U	4.9 U	4 U	470 T
WR-VC-118	WLCDRD05WRVC118Clam	4.3 U	2.4 U	3 U	17 J	2.6 U	12 U	3.1 U	1.6 U	1.3 U	17 T
WR-VC-118	WLCDRD05WRVC118Worm	4.3 U	2.4 U	3 U	1.4 U	2.6 U	72	3.1 U	1.6 U	1.3 U	72 T
Clackamas Fish Hatcher	WLTASE03CFH03254200	4.5 U	8.9 U	4.5 U	4.5 U	4.5 U	20 J	4.5 U	4.5 U	4.5 U	20 J
Clackamas Fish Hatcher	WLTASE03CFH03254201	9.2 U	18 U	9.2 U	9.2 U	9.2 U	15 J	9.2 U	9.2 U	9.2 U	15 J
Clackamas Fish Hatcher	WLTASE03CFH03254202	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U	9.5 J	4.5 U	4.5 U	4.5 U	9.5 J
Clackamas Fish Hatcher	WLTASE03CFH03254220	4.7 U	9.4 U	4.7 U	4.7 U	4.7 U	13 J	4.7 U	4.7 U	4.7 U	13 J
Clackamas Fish Hatcher	WLTASE03CFH03254221	4.6 U	9.3 U	4.6 U	4.6 U	4.6 U	18	4.6 U	4.6 U	4.6 U	18
Clackamas Fish Hatcher	WLTASE03CFH03254222	4.8 U	9.6 U	4.8 U	4.8 U	4.8 U	19	4.8 U	4.8 U	4.8 U	19
Clackamas Fish Hatcher	WLTASE03CFH03254223	4.5 UT	9.1 UT	4.5 UT	4.5 UT	4.5 UT	17 JT	4.5 UT	4.5 UT	4.5 UT	17 JT
RM 3.5-9.2	WLTASE03ISA03334750	4.5 UT	9.1 UT	4.5 UT	4.5 UT	4.5 UT	4.5 UT	51.5 JT	4.5 UT	4.5 UT	51.5 JT
RM 3.5-9.2	WLTASE03ISA03334751	4.8 U	9.5 U	4.8 U	4.8 U	4.8 U	4.8 U	48	4.8 U	4.8 U	48
RM 3.5-9.2	WLTASE03ISA03354100	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U	4.5 U	90	4.5 U	4.5 U	90
RM 3.5-9.2	WLTASE03ISA03354101	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U	4.5 U	43	4.5 U	4.5 U	43
RM 3.5-9.2	WLTASE03ISA03354102	9.3 UT	19 UT	9.3 UT	9.3 UT	9.3 UT	9.3 UT	430 JT	9.3 UT	9.3 UT	430 JT
Willamette Falls	WLTASE03WF03214300	4.2 U	8.4 U	4.2 U	4.2 U	4.2 U	42	4.2 U	4.2 U	4.2 U	42
Willamette Falls	WLTASE03WF03214301	4.6 U	9.2 U	4.6 U	4.6 U	4.6 U	46 J	4.6 U	4.6 U	4.6 U	46 J
Willamette Falls	WLTASE03WF03214302	4.7 U	9.3 U	4.7 U	4.7 U	4.7 U	50	4.7 U	4.7 U	4.7 U	50
Willamette Falls	WLTASE03WF03214303	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U	39 J	4.5 U	4.5 U	4.5 U	39 J

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	16605-91-7	25569-80-6	33284-50-3	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	37680-66-3	37680-65-2	PCB018_030	38444-73-4	PCB020_028
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB005	PCB006	PCB007	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB017	PCB018	PCB018 & 030	PCB019	PCB020 & 028
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
FC001	LW2-BTFC001	12.5	1.99	3.08	1060 J	3.52 J	79.1 J	5.81 J	257 J	8.17 J	7.28 J	474 J	26.5 J	0.743 UJ	126	459	825		1070	486	1450
FC002	LW2-BTFC002	91.6	4.48	11	8300 J	9.28 J	451 J	15 J	1200 J	26.3 J	39.3 J	451 J	70.7 J	0.75 UJ	294	1050	2620		2940	1300	3430
FC003	LW2-BTFC003	3.21 J	1.15 J	1.37 U	487 J	0.921 J	20.1 J	0.854 J	44.7 J	1.16 J	4.5 J	425 J	9.82 J	0.741 UJ	31	160	285		362	376	371
FC004	LW2-BTFC004	11.1	2.14	3.52	601 J	8.29 J	107 J	12.9 J	481 J	19.3 J	7.58 J	288 J	43.1 J	0.744 UJ	217	547	714		1050	447	1910
FC005	LW2-BTFC005	32.2	4.19	11.1	1370 J	36.9 J	441 J	51.5 J	1900 J	83.5 J	19.7 J	248 J	163 J	0.738 UJ	1040	2270	2650		4580	778	9630
FC0061	LW2-BTFC006 Rep 1	21.4 T	2.77 T	8.5 T	1540 T	27 T	337 T	40.5 T	1210 T	63.2 T	29.7 JT	181 T	118 T	0.737 UT	922 T	2710 T	2540 T		5460 T	737 T	7810 T
FC007	LW2-BTFC007	9.52 J	2.57 J	3.24	630 J	9.95 J	126 J	11.2 J	468 J	16.8 J	6.08 J	324 J	44.4 J	0.75 UJ	210	674	861		1320	486	2030
FC008	LW2-BTFC008	3.66 J	1.5 J	1.85	289 J	2.83 J	43.8 J	3.64 J	120 J	4.99 J	3.97 J	148 J	18.6 J	0.744 UJ	94.7	267	395		556	269	1020
FC010	LW2-BTFC010	2.48	1.27	1.27 U	484 J	1.31 J	27.8 J	0.979 J	46.4 J	1.51 J	4.7 J	303 J	8.45 J	0.703 UJ	28.2	199	392		418	446	367
FC011	LW2-BTFC011					1.52 UJ	32.5 J	1.42 J	68.7 J	2.6 J	5.53 J	532 J	16.2 J	1.43 UJ	64.6 J	267 J	555 J		596 J	811 J	661 J
FC012	LW2-BTFC012	2.57	1.72	1.56	419 J	1.1 J	25.9 J	1.28 J	52.8 J	1.68 J	3.43 J	414 J	9.4 J	0.726 UJ	34.1	215	487		478	398	475
FC013	LW2-BTFC013	9.01	4.38	4.21	532	3.12	59	7.34	247	12.4	9.32	308	18.2	0.688 U	100	263	591		644	561	1050
FC014	LW2-BTFC014	2.25	1.57	1.5	191	0.675	14.3	1.12	35.3	1.37	1.43	274	6.44	0.738 U	26.8	109	230		217	193	372
FC015	LW2-BTFC015	2.33	1.53	1.57	189 J	0.676 UJ	18.1 J	1.03 J	43.5 J	1.77 J	1.99 J	291 J	9.34 J	0.77 UJ	33.3 J	105 J	243 J		241 J	192 J	370 J
FC016	LW2-BTFC016	43.6 J	2.82 J	4.52	47000 J	1.9 J	243 J	13 J	144 J	16.8 J	709 J	525 J	492 J	1.77 UJ	144	625	20400		3260	57300	1220
FC017	LW2-BTFC017	6.15	2.35	2.68	393	2.56	51	2.73	126	4.13	4.16	491	18	0.755 U	71.4	365	552		742	332	884
FC018	LW2-BTFC018					1.03 UJ	16.2 J	0.896 UJ	27.8 J	1.04 J	0.939 J	298 J	11.3 J	0.964 UJ	44 J	85.8 J	128 J		183 J		340 J
FC019	LW2-BTFC019	2.98	1.75 U	1.3	598	1.08	28.7	1.11	43.9	1.58	6	408	11.8	0.773 U	32.9	226	464		488	509	344
FC020	LW2-BTFC020	5.21	2.12	2.21	362	1.82	47.7	1.91	79.2	2.8	3.86	436	12	0.745 U	48	329	479		724	286	664
FC021	LW2-BTFC021	3.06	1.45	1.66 U	269	1.12	33	1.54	68.1	2.35	2.94	285	8.68	0.741 U	46.3	353	445		802	232	750
FC022	LW2-BTFC022	5.82	2.18	2.03	414	1.11	23.8	1.51	42.9	1.91	4.61	351	9.56	0.961 U	31.5	160	465		374	354	411
FC024	LW2-BTFC024	11.7	2.54	2.22 U	1150	5.38	136	3.82	236	8.59	18.1	760	26.9	0.754 U	188	1030	962		2550	603	1690
FC025	LW2-BTFC025	7.61	2.42	2.72 U	681	3.48	95.2	3.52	191	5.7	8.9	587	22.9	0.811 U	109	775	1010		1680	425	1520
FC026	LW2-BTFC026		2.3 J	3.09 J	280 J	0.942 J	14.4 J	1.68 J	36.1 J	2.11 J	2.09 J	297 J	13.9 J	0.777 UJ	41.1	98.6 J	468 J		241 J	462 J	504 J
FC0271	LW2-BTFC027 Rep 1	10.5 JT	1.62 T	1.42 UT	8060 JT	0.769 T	52.9 JT	3.21 JT	69.4 JT	3.48 JT	90.5 JT	428 T	20.3 JT	0.75 UT	21.7 T	158 T	2510 JT		520 JT	4990 JT	285 JT
FC028	LW2-BTFC028	20.7	3.06	6.88	1670	21.6	505	20.2	1260	36.1	24.2	460	72.7	0.743 U	639	5570	6190		11900	899	11200
FC029	LW2-BTFC029					0.775 UJ	18.6 J	1.25 J	34.8 J	1.79 J	3.43 J	300 J	14.8 J	0.784 UJ	57.6 J	156 J	440 J		353 J	648 J	520 J
FC030	LW2-BTFC030	11.6	2.45	2.86 U	658	5.9	145	3.97	265	6.14	8.55	597	25.8	0.755 U	103	719	1030		1430	379	1230
FC031	LW2-BTFC031	3.17	1.79	1.44	479	1.2	26.3	1.05	48.8	1.66	6.71	540	10.8	0.72 U	24.6	165	400		375	391	308
FC032	LW2-BTFC032	68.3 J	6.62 J	41.4 J	2180 J	19.2 UJ	698 J	18.1 J	1010 J	47.3 J	24.1 J	356 J	112 J	18.4 UJ	671 J	685 J	1320 J		1870 J	1580 J	2620 J
FC033	LW2-BTFC033		1.31 J	2.16 J	718 J	0.895 J	48.8 J	1.66 J	105 J	1.99 J	3.61 J	222 J	19.2 J	0.784 UJ	63.1	193 J	294 J		357 J	274 J	555 J
BT001	LW2-BTLC001	148	10.4	48	803	36.5	312	67.7	1690	86.3	30.6	269	60.4	0.758 U	411	292	424		713	104	805
BT002	LW2-BTLC002	144	11.7	52.4	1140	35.8	318	77.3	1860	96.4	40.4	288	83.4	0.753 U	595	401	623		994	249	2270
BT003	LW2-BTLC003	120	9.11	37.8	664 J	26.5 J	227 J	42 J	1040 J	59.5 J	17.4 J	253 J	56.2 J	0.716 UJ	309	210	246		457	77.1	502
BT004	LW2-BTLC004		7.03 J	28.8 J	749 J	26.7 J	238 J	37.5 J	1070 J	48 J	15.5 J	321 J	64.3 J	0.869 UJ	332	234	243		455	86.2	559
BT005	LW2-BTLC005	107 J	9.22 J	32.9	722 J	28.3 J	240 J	41.6 J	1110 J	54.1 J	19.7 J	260 J	58 J	0.737 UJ	335	235	260		486	102	570
BT0061	LW2-BTLC006-1	126	9.14	39.5	787 J	28.7 J	246 J	46.4 J	1180 J	58.2 J	22 J	276 J	66.7 J	0.714 UJ	425	258	277		525	116	702
BT0062	LW2-BTLC006-2	116 J	9.19 J	34.4 J	754 J	30 J	245 J	43.8 J	1260 J	56.7 J	20.9 J	281 J	64.9 J	0.703 UJ	386	278	303		561	115	749
BT007	LW2-BTLC007	289	22.7	97.5	1180	58.3	480	129	3330	165	41.6	605	158	0.819 U	932	382	709		766	183	1540
BT008	LW2-BTLC008	222	16.8	73.5	1160 J	48.2 J	446 J	105 J	2840 J	124 J	34.7 J	474	134	0.747 U	823	382	560		775	140	1350
BT009	LW2-BTLC009	129	8.7	31.6	1210 J	25.7 J	249 J	41 J	1130 J	52.6 J	27.8 J	264 J	61.7 J	0.732 UJ	353	232	288		462	151	519
BT010	LW2-BTLC010	119	8.29	38.6	732	36	282	55.5	1350	68.4	26.3	252	57.5	0.717 U	386	299	345		674	92.5	662
BT011	LW2-BTLC011	104	8.58	30	663	25.4	226	35.9	1010	49.2	16.2	255	52.7	0.752 U	291	236	262		481	76.3	479
BT012	LW2-BTLC012	66.3	4.59	22.3	603	23.6	217	39.4	1050	50.4	21.8	202	43.1	0.736 U	305	251	312		543	76.4	459
BT013	LW2-BTLC013				943 J	33 J	306 J	43.7 J	1290 J	57.5 J	18.5 J	329	71.4	0.722 U	378	235 J	255 J		507 J	110 J	599
BT014	LW2-BTLC014	119	9.56	41.2	657	32.8	283	65.3	1530	85.8	28.3	271	58.6	0.753 U	387	294	376		662	79.7	676
BT015	LW2-BTLC015	128	10.9	45	694	30.6	260	67.4	1660	82.6	27.6	302	72.1	0.75 U	451	290	359		622	81.8	757
BT016	LW2-BTLC016	144	11	50.5	3050	32.9	279	69.8	1470	89.5	169	235	77.7	0.745 U	407	275	1400		743	5630	702
BT017	LW2-BTLC017	485 J	26	156	2140 J	66.5	567	186 J	5540 J	215 J	43.3 J	658	220	0.882 U	2150	1240 J	1850 J		3440 J	373 J	8400
BT018	LW2-BTLC018	89.1	6.64	31.7	577	25.6	226	44	1060	58.7	21.1	222	47.7	0.752 U	301	246	321		600	76.9	523
BT019	LW2-BTLC019	169	13.8	59.6	757	40.3	309	77.7	1850	98.9	31.2	312	75.8	0.751 U	472	316	371		636	87.9	742
BT020	LW2-BTLC020	303	24	107	1070 J	64.2 J	506 J	136 J	3490 J	177 J	39.2 J	647	170	0.919 U	1030	333	653		737	115	1480
BT021	LW2-BTLC021	120	8.29	38	848	29.3	296	45.2	1250	59.2	20.1	248	60.6	1.84 U	347	252	300		623	89	608
BT022	LW2-BTLC022	256	21.9	98.2	1000	67.9	536	134	3850	166	38.6	586	153	0.744 U	869	443	801		950	130	1570
BT023	LW2-BTLC023	149	11.9	42.1	765	41.2	325	69.2	1350	109	35.9	321	63	0.739 U	491	314	403		771	97.8	935
BT024	LW2-BTLC024	319	24.7	108	1070	68.9	524	152	3930	201	47.6	592	149	0.345 J	911	451	890		952	129	1630
BT025	LW2-BTLC025	166 J	11.7	49.1	978 J	36.4 J	332 J	55 J	1520 J	72.2 J	21.7 J	315	69.9	0.724 U	444	260 J	288 J		571 J	96.5 J	625
BT026	LW2-BTLC026	127	9.04	36.3	769 J	28 J	238 J	42.5 J	1090 J	56.4 J	18.8 J	216	51.5	0.742 U	309	208	269		381	134	472
BT0271	LW2-BTLC027-1	163	12	53	933	38.2	329	65.3	1680	77.5	26.9	284	66.4	0.747 U	395	303	355		615	141	616
BT0272	LW2-BTLC027-2	117	8.55	35.5	845	36.8	320	58.6	1600	72.7	25	309	66.5	0.752 U	401	287	332		586	119	615
BT028	LW2-BTLC028	167	14.4	60.4	2540	81.5	965	127	5040	192	74.7	274	178	0.589	1570	4280	4880		9830	1310	12500
BT029	LW2-BTLC029	142	9.6	40.3 J	884 J	36.6 J	336 J	55.2 J	1450 J	72.1 J	22.8 J	270	63.8	0.728 U	389	251	281		564	91.7	563
BT030	LW2-BTLC030	190	13.5	68.2	990	43.8	366	94.4	2200	108	31.7	334	87.1	5.93 U	583	324	459		725	104	862
BT031	LW2-BTLC031	162	12.2	51.9	939	42.3	371	80.6	2010	103	29.1	348	82.8	0.753 U	517	301	390		640	102	732
BT032	LW2-BTLC032	173	12	57.3	1960	32.6	520	60.5	1870	87	42.3	251	105	0.747 U	679	514	787		1200	851	1180
BT033	LW2-BTLC033	144	12.9	55.5	754	32.5	285	76.8	1780	92.1	29.3	298	76.1	0.724 U	442	279	359		589	144	821
BT001	LW2-BTLW001	18.3	10.9	5.23	372	2.94	82.5	19.9	272	13.2	25.3	196	33	0.572 J	242	263	728		951	419	6080
BT002	LW2-BTLW002	93.5 J	16.9	52.4	4440 J	15.8 J	661 J	64.7 J	2410 J	110 J	103 J	248	280	2.72 U	2120	2810	7090		10500	3120	49800
BT003	LW2-BTLW003	2.91	1.64	3.03	78.5	1.72	20.2	4.43	99.3	4.77	3.26	165	9.44	0.748 U	52.5	43	69		107	96.4	344
BT004	LW2-BTLW004	2.79	1.39	3.63	159	2.94	45.3	10.4	232	11.2	6.76	288	18.4	0.752 U	133	127	166		299	135	757
BT005	LW2-BTLW005	10.2	7.94	7.65	249	6.41	97.9	19.5	388	26.3	13.3	177	49.4	0.555 U	422	543	985		1330	440	4240
BT0061	LW2-BTLW006-1	13	3.23	8.13	249	9.58	122	28	643	35.6	15	189	81.2	0.306 J	876	744	1020		1850	551	6890
BT0062	LW2-BTLW006-2	21.9	4.97	12.1	347	15.8	188	43.3	909	58	24.5	182	97.2	0.428 J	1070	1130	1640		2990	657	8950
BT007	LW2-BTLW007	3.74	1.73	4.36 U	106	2.44	40.4	9.18	208	10.4	4.57	161	18	0.739 U	202	185	256		468	124	1670
BT008	LW2-BTLW008	9.31	11.6	9.16 U	216	4.97	66.6	16.4	302	17.6	13.9	141	41.9	0.45 J	297	318	780		765	507	2550
BT009	LW2-BTLW009	463	18	78.7	6380	15.9	625	99.5	2830	118	180	184	164	0.868 U	823	397	1490		966	1320	2010
BT010	LW2-BTLW010	4.25	5.64	3.86	126	2.85	39.2	8.42	168	10.6	5.3	142	15.1	0.529 J	83.9	195	389		529	235	1170
BT011	LW2-BTLW011	11.3	16.8	10.2	169 J	3.3 J	38.1 J	8.93 J	173 J	11.2 J	7.83 J	280 J	20.1 J	0.821 J	113 J	174	298		427	291	1190
BT012	LW2-BTLW012	17.4	4.42	8.19	156	6.91	103	23.8	392	31.6	9.59	115	53.4	2.11	271	604	1110		1830	334	4640
BT013	LW2-BTLW013	6.74	8.37	6.66 U	153	2.5	39.2	8.82	171	10.4	7.85	207	15.2	0.533 J	95	113	262		323	423	758

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	PCB021_033	38444-85-8	55720-44-0	55702-45-9	55712-37-3	PCB026_029	38444-76-7	7012-37-5	16606-02-3	38444-77-8	38444-86-9	37680-68-5	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1	PCB040_041_071	36559-22-5	70362-46-8
	Chemical Name	PCB021 & 033	PCB022	PCB023	PCB024	PCB025	PCB026 & 029	PCB027	PCB028	PCB031	PCB032	PCB033	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039	PCB040 & 041 & 071	PCB042	PCB043
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
FC001	LW2-BTFC001	477	700	0.623	5.19	134	203	315		938	292		4.87	22.9	2.41	396	5.68	25.6	2390	3080	94.6
FC002	LW2-BTFC002	919	1600	1.3	13	394	623	909		2150	1050		12.2	39.4	2.53	796	13.9	59.8	5670	7610	249
FC003	LW2-BTFC003	135	206	0.778 U	1.64	49.4	63.8	157		242	69.8		1.28	10.9	2.48	116	2.16	6.9	520	560	19.8
FC004	LW2-BTFC004	986	913	2.03	9.44	163	294	238		1510	330		6.09	37	1.69	536	3.46	19.2	1320	1280	77
FC005	LW2-BTFC005	4600	3810	9.85	47.8	699	1390	650		7970	1350		26.7	150	1.24	2250	8.97	71.2	5240	3960	387
FC0061	LW2-BTFC006 Rep 1	3420 T	2960 T	7.5 T	44.5 JT	664 T	1370 T	1040 T		6110 T	1450 T		23.9 T	109 T	2.18 JT	1840 T	15.1 T	78.6 T	5690 T	4980 T	374 T
FC007	LW2-BTFC007	1140	1110	2	12.4	189	331	300		1630	323		5.8	38.1	1.87	525	3.77	21.7	1320	1260	79
FC008	LW2-BTFC008	434	468	1.04	4.19	99.3	180	219		764	149		3.45	19.9	1.48	309	3.1	13.7	925	701	59.3
FC010	LW2-BTFC010	159	248	0.234 J	2.96	64.5	73.3	227		254	83		1.44	8.78	2.12	97.2	2.18	7.56	567	622	26.3
FC011	LW2-BTFC011	291 J	363 J	0.436 UJ	0.739 UJ	105 J	141 J	261 J		490 J	141 J		3.23 J	19.5 J	5.41 J	226	2.67 J	15.8 J	873 J	820 J	44.5 J
FC012	LW2-BTFC012	200	304	0.28 J	3.33	77.9	105	208		371	109		2.61	12.2	3.78	131	2.82	10.6	711	755	35.2
FC013	LW2-BTFC013	470	389	1.12	5.99	114	188	218		793	261		7.54	13.6	2.38	216	2.15	13.7	996	648	62.9
FC014	LW2-BTFC014	120	190	0.278 J	1.53	49.1	66	94.5		280	60.9		1.89	9.85	3.04	96.1	1.53	6.42	449	479	26.2
FC015	LW2-BTFC015	131 J	199 J	0.323 UJ	1.62 J	48.6 J	70.1 J	83.3 J		279 J	65.1 J		2.06 J	10.9 J	2.75 J	118	1.55 J	8.68 J	457	479	29.4
FC016	LW2-BTFC016	1710	260	4.78	0.744 U	2610	916	22100		497	2620		16.5	11.7	1.75 U	133	110	43.1	11200	4390	1090
FC017	LW2-BTFC017	357	521	0.732 U	0.721 U	109	153	179		659	169		4.25	19.2	3.83	252	2.71	14.8	1200	1190	61.3
FC018	LW2-BTFC018	116 J	190 J	0.221 UJ	0.741 UJ	41.1 J	55.3 J	51 J		231 J	42.3 J		1.64 J	9.26 J	1.92 J	147	1.8 J	9.81 J	743 J	784 J	36.2 J
FC019	LW2-BTFC019	126	210	0.811 U	0.739 U	70.4	68.4	262		223	93.3		1.42	8.89	2.5	90.4	2.03	7.27	524	590	23.9
FC020	LW2-BTFC020	263	380	0.408 J	0.712 U	85	131	175		479	134		3.9	12.9	2.86	175	2.42	11.9	936	983	47.2
FC021	LW2-BTFC021	314	391	0.401 J	0.708 U	75.3	121	155		556	136		5.14	10.6	2.33	176	2.05	13.1	929	968	55
FC022	LW2-BTFC022	162	188	1.01 U	0.918 U	95.5	83	184		265	145		2.66	9.86	2.09	106	0.748 U	8.23	1020	855	30.8
FC024	LW2-BTFC024	552	963	1.45 U	0.72 U	154	298	509		1080	494		6.83	21.3	3.4 U	390	3.54	19.7	1660	1550	74.3
FC025	LW2-BTFC025	637	838	1.06	0.775 U	159	247	322		1100	315		7.35	20.8	3.48	368	4 U	22.9	1680	1740	81.9
FC026	LW2-BTFC026	236 J	133 J	0.318 J	0.742 UJ	156 J	100 J	178 J		313 J	227 J		3.01 J	12.6 J	3.79 J	113	5.11 J	11.4 J	1760	707	44.5
FC0271	LW2-BTFC027 Rep 1	124 JT	144 T	0.788 UT	0.717 UT	132 JT	89.9 JT	999 JT		207 JT	246 JT		1.94 JT	7.59 T	2.04 T	67.6 T	1.06 T	4.82 T	644 JT	389 T	12.5 JT
FC028	LW2-BTFC028	5450	6490	8.21	0.71 U	910	1840	1230		9640	2170		57.2	99.7	0.827 U	2500	15	149	7590	7240	582
FC029	LW2-BTFC029	220 J	188 J	0.823 UJ	0.749 UJ	146 J	102 J	217 J		338 J	176 J		3.07 J	14.7 J	3.55 J	157	2.9 J	12.4 J	1360 J	807 J	41 J
FC030	LW2-BTFC030	641	980	0.842	0.721 U	167	238	243		912	305		5.25	20.2	2.84	365	3.14 U	20.8	1290	1260	61.9
FC031	LW2-BTFC031	117	182	0.756 U	0.688 U	58.4	63.9	168		224	88.1		1.32	8.56	2.65 U	80.4	0.561 U	5.36	427	408	17.8
FC032	LW2-BTFC032	1250 J	986 J	13 UJ	16 J	458 J	835 J	386 J		2510 J	710 J		16 J	41.4 J	11.7 UJ	646	6.19 J	25.2 J	2160 J	1080 J	82.1 J
FC033	LW2-BTFC033	195 J	218 J	0.361 UJ	0.749 UJ	68.1 J	99.6 J	168 J		350 J	114 J		2.39 J	8.56 J	1.65 J	116	1.35 J	6.83 J	420	354	23.8
BT001	LW2-BTLC001	308	245	0.97	10.2	57.5	100	65.5		581	198		3.34	8.08	1.67	86.9	0.512 U	0.58 U	340	293	23.6
BT002	LW2-BTLC002	442	468	0.985	11.8	133	239	140		1410	595		7.78	15	1.78 U	371	2.88 U	0.577 U	2070	1020	143
BT003	LW2-BTLC003	241	198	0.72	7.22	36.8	79.3	39.2		399	114		1.56	6.85	1.81	41.9	0.558 U	2.12 U	74.8	128	6.21
BT004	LW2-BTLC004	278	225	0.775 U	5.84	39.1	82.3	42.4		434	121		1.39	8.13	1.8	50.5	0.56 U	2.33	94.3	136	6.92
BT005	LW2-BTLC005	271	225	0.697	6.39	51.3	106	46.7		443	136		1.67	9.29	1.77	66	0.282 U	3.06 U	151	169	10
BT0061	LW2-BTLC006-1	317	258	0.819	6.66	50.8	98.9	53		538	161		1.85	10.5	1.77	93.7	0.367 U	3.54	207	202	13.1
BT0062	LW2-BTLC006-2	347	299	0.887	7.44	55.5	106	61.3		569	174		1.67	11.8	1.88	109	0.547 U	4.07	251	221	15.3
BT007	LW2-BTLC007	702	585	2.12	13.3	122	200	84.8		1210	338		5.03	21.5	3.26	210	0.459 J	5.68	311	290	25.3
BT008	LW2-BTLC008	591	466	1.66	10.2	100	166	79		1060	291		4.09	18.3	2.66	169	0.657 U	5.23	285	294	20.7
BT009	LW2-BTLC009	251	221	0.837	7.21	40.3	79.6	53.3		408	147		1.78	7.64	1.71	51.5	0.57 U	0.56 U	94.6	149	6.99
BT010	LW2-BTLC010	333	282	0.929 U	9.19	51.2	103	55.2		527	158		1.82	9.55	2.01	74.6	0.253 U	0.549 U	150	196	10.6
BT011	LW2-BTLC011	234	205	0.701	5.29	34.1	72.6	42.5		364	116		1.31	6.56	1.58	41.8	0.385 U	1.78	83.1	146	6.61
BT012	LW2-BTLC012	234	198	0.618	6.66	34.9	71.9	49.7		365	136		2.18	6.84	1.52 U	56	0.239 U	2.64	141	191	10.5
BT013	LW2-BTLC013	302	241	0.854 J	6.64 J	45.5	88.9 J	47.3 J		459	129 J		2.03 UJ	8.64	1.51	54.3	0.562 U	2.4	111	157	7.75
BT014	LW2-BTLC014	325	253	1.08	9.41	50.9	97.7	58.7		537	178		2.17	9.08	2.34	55.8	0.586 U	2.59	122	202	10.6
BT015	LW2-BTLC015	346	261	0.879	7.71	54.5	101	56.1		586	191		2.06	10.5	2.49	64.4	0.584 U	0.574 U	126	187	10.9
BT016	LW2-BTLC016	372	205	1.76	21.8	166	165	835		526	446		4.21	7.18	1.47 U	51.1	2.67	0.571 U	604	231	109
BT017	LW2-BTLC017	3720	2530	6.36 J	26.1 J	326	747 J	144 J		9560	1500 J		21.4 J	44.1 U	3.17	1070	4.74	78.8	5120	1910	389
BT018	LW2-BTLC018	245	184	0.638	8.13	41.4	82.2	49.7		416	127		1.83	6.57	1.76	48.3	0.586 U	2.18	161	190	12.9
BT019	LW2-BTLC019	338	259	1.08	10.8	54.2	98.7	57.4		586	182		2.26	10.3	2.32	64.2	0.585 U	0.575 U	121	194	9.63
BT020	LW2-BTLC020	725	573	2.3	13.1	121	206	55.3		1250	325		5.12	20.8	3.9	155	0.715 U	5.67	232	272	19.6
BT021	LW2-BTLC021	293	236	0.741 J	7.82	43.2	88.3	49.9		476	146		2.41	7.11	1.14 J	66.2	1.43 U	3.23	162	159	11.1
BT022	LW2-BTLC022	759	556	2.19	15.2	123	198	72.8		1250	344		6.22	19.5	3.48	146	0.579 U	6.98	334	315	25.6
BT023	LW2-BTLC023	289	252	1.28	9.66	65.5	130	67.9		763	210		2.9	10.4	2.82	74.7	0.575 U	3.84	155	244	16.3
BT024	LW2-BTLC024	767	630	2.4	17.3	126	212	72.9		1290	402		7.53	17.2	3.15	172	0.333 U	7.11	375	364	32.3
BT025	LW2-BTLC025	325	252 J	0.848 J	7.77 J	46.6	92.5	47.9 J		478	142 J		2.05 J	8.78	1.45	65.6	0.37 U	2.8	125	169	8.13
BT026	LW2-BTLC026	240	188	0.665	6.99	41.5	72.8	50.5		346	140		1.56	6.44	1.01 U	48.7	0.578 U	1.93	175	155	6.98
BT0271	LW2-BTLC027-1	297	228	0.925 U	8.24	48.2	87.9	55.1		473	154		1.89	7.02	1.32	57.1	0.287 J	2.05	121	164	8.24
BT0272	LW2-BTLC027-2	294	219	0.834	8.33	47.1	86	52.3		478	142		1.74	8.2	1.51	56.3	0.201 U	2.05	106	148	7.53
BT028	LW2-BTLC028	6240	4000	10.7	106	811	1670	734		10800	2840		58.5	94.3	1.75 U	2210	4.31	60.8	5060	2330	404
BT029	LW2-BTLC029	285	214	0.863	8.07	43.7	85.6	50.1		445	136		1.85	7.57	1.43	54.5	0.273 U	2.27	102	152	6.98
BT030	LW2-BTLC030	432	336	1.58 J	11	65	120	63.9		693	239		2.54 J	10.4	1.89 J	89	4.62 U	3.87 J	166	214	11.9
BT031	LW2-BTLC031	370	270	1.14	9.28	60.6	108	53.4		610	179		2.27	9.13	1.85	69.3	0.586 U	2.73	116	165	9.3
BT032	LW2-BTLC032	511	392	1.32	12.6	148	243	157		1040	439		4.6	13.5	1.03	191	0.375 U	4.31	427	267	20
BT033	LW2-BTLC033	356	264	1.08	9.3	60.2	104	56.9		636	186		2.33	11	2.65	66.6	0.564 U	2.5	120	181	10.7
BT001	LW2-BTLW001	887	1180	2.18	11.4	303	497	198		2920	1050		65.3	25.1	0.887 U	1120	0.929 U	78	10500	4910	709
BT002	LW2-BTLW002	4720	8790	6.17	97.7	2470	5350	1860		25900	9220		199	193	3.9 U	7480	3.89 U	563	86500	45000	5200
BT003	LW2-BTLW003	101	80.9	0.167 J	1.34	25	42.4	20.4		227	54.8		1.61	6.77	2.45	77.1	0.654	3.03	293	155	23.3
BT004	LW2-BTLW004	324	212	0.579 J	4.2 U	50.7	102	35.9		550	126		3.83	12.1	3.02	150	1.01 U	6.62	557	285	46.8
BT005	LW2-BTLW005	1410	1070	3.27	23.3	498	1040	199		3000	713		24.7	52.6	4.54	973	6.06	0.568 U	3540	1850	264
BT0061	LW2-BTLW006-1	2310	1980	4.28	37.9	504	887	330		4480	1340		19.4	98.5	3.08 U	1860	10.5 U	0.597 U	5810	2930	410
BT0062	LW2-BTLW006-2	3300	2470	6.89	62.2	713	1300	484		6270	1850		29.9	105	2.21 U	2290	10.9	1.29 U	7660	3860	605
BT007	LW2-BTLW007	517	423	0.878	7	99.1	201	59.6		1120	267		6.18	18.7	2.32	383	1.04	10.5	1010	558	86.4
BT008	LW2-BTLW008	860	683	2.5	13	201	369	240		1640	434		11.2	31.5	2.56	690	3.89	25	1960	874	164
BT009	LW2-BTLW009	718	494	2.99	14.5	269	397	359		1710	1100		18.6	20.1	3.3	342	1.15	13.3	930	457	94.6
BT010	LW2-BTLW010	514	335	1.47	7.72	109	202	66.7		955	233		13.1	13.1	2.53 U	186	2.32 U	0.576 U	1100	580	94.2
BT011	LW2-BTLW011	411	315	0.991	7.15	94.7	183	69.9		856	213		7.44	17.1	5.38	237	1.65 U	10.9	978	490	82.2
BT012	LW2-BTLW012	1730	1150	2.77	23.5	410	850	163		3760	778		77.5	50	10.1	680	0.579 U	73.7	3780	2110	326
BT013	LW2-BTLW013	291	195	0.723	4.05	79.9	130	84.5		536	180		6.46	14.5	3.97	159	3.24	10.5	808	378	58.5

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	41464-39-5	PCB044_047_065	PCB045_051	41464-47-5	70362-47-9	41464-40-8	PCB049_069	PCB050_053	35693-99-3	15968-05-5	74338-24-2	41464-43-1	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070_074_	74472-34-7	52663-58-8
	Chemical Name	PCB044	PCB044 & 047 & 065	PCB045 & 051	PCB046	PCB048	PCB049	PCB049 & 069	PCB050 & 053	PCB052	PCB054	PCB055	PCB056	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070 & 074 & 076	PCB063	PCB064
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																			
FC001	LW2-BTFC001		9240	763	93.5	903		2530	1290	3770	57	36	2500	16	11.1	528	996	6710	187	1540
FC002	LW2-BTFC002		23900	1720	273	2150		5970	2880	9380	77.4	93.3	5940	40.7	20.3	1220	2240	16400	409	4020
FC003	LW2-BTFC003		2260	305	19.8	192		685	523	1030	51.4	9.76	413	5.77	2.77	129	165	1470	41.2	266
FC004	LW2-BTFC004		3850	520	74.2	611		1460	753	2040	55.1	34.8	943	15.9	6.52	293	482	3490	101	861
FC005	LW2-BTFC005		12600	1780	414	2670		5700	1910	8910	75.1	110	2620	62.5	18.1	1110	1510	12100	330	4020
FC0061	LW2-BTFC006 Rep 1		19000 T	1880 T	409 T	2390 T		6450 T	2490 T	14000 T	72.3 T	94.6 JT	3260 T	60.2 T	39.8 T	1460 T	1400 T	16300 T	366 T	4000 T
FC007	LW2-BTFC007		4000	594	78.4	630		1410	905	2060	61.1	33.4	786	13.4	4.55	314	400	2850	80.7	827
FC008	LW2-BTFC008		2750	360	50.2	403		1080	508	1720	51.4	24.6	595	14.9	5.9	221	311	2730	80.5	596
FC010	LW2-BTFC010		2610	468	25	235		843	907	1250	63.2	8.32	401	7.22	3.08	165	139	1420	40.3	294
FC011	LW2-BTFC011		3410 J	532 J	40.9 J	341 J		1310 J	873 J	1990 J	103 J	16.1 J	746 J	13.2 J	3.41 UJ	215 J	283 J	2880 J	73.6 J	522 J
FC012	LW2-BTFC012		2840	507	35.4	316		1150	924	1820	55.7	10.4	561	9.01	5.22	175	184	2100	58.2	431
FC013	LW2-BTFC013		3350	638	76.1	309		1820	761	3160	76.3	17.7	732	11.2	13.2	208	239	3390	82	708
FC014	LW2-BTFC014		1790	288	27	190		791	540	1230	38.3	9.07	408	5.65	3.63	106	158	1580	43.1	323
FC015	LW2-BTFC015		1630	217	23.4	198		774	380	1180	31.5	14	493	5.79	1.69 U	103	191	1890	49.6	334
FC016	LW2-BTFC016		90400	38300	968	1150		25100	56700	19800	8720	27.3	533	553	4.84 U	6900	175	3170	320	524
FC017	LW2-BTFC017		3830	532	70.1	511		1560	848	2330	48.8	1.95 U	1070	9.02	8.36	253	441	3700	101	820
FC018	LW2-BTFC018		2620 J	210 J	25.4 J	276 J		875 J	355 J	1380 J	32.1 J	20.8 J	942 J	8.5 J	6.71 J	154 J	348 J	2950 J	79.1 J	492 J
FC019	LW2-BTFC019		2510	455	25.1	187		825	917	1280	55.2	11	384	5.22	1.7 U	137	135	1370	35.3	261
FC020	LW2-BTFC020		3180	448	53.2	405		1300	837	2050	36	1.92 U	746	7.75	8.09	211	271	2810	72.9	604
FC021	LW2-BTFC021		3340	398	54.7	442		1260	707	1990	30.7	1.91 U	805	8.45	8.05	216	283	3170	83.2	635
FC022	LW2-BTFC022		4630	1210	56.2	241		2130	1410	2710	107	2.48 U	549	8.49	2.11 U	197	159	2720	78.1	478
FC024	LW2-BTFC024		7550	767	92.5	644		2240	1300	4070	49.5	2.11 U	1050	11.9	2.07 U	357	409	4480	112	900
FC025	LW2-BTFC025		6050	792	91.1	769		2230	1240	3360	48.2	2.22 U	1240	12.3	2.17 U	377	475	4590	121	980
FC026	LW2-BTFC026		9560	3140	92.2	235		4640	2540	4200	298	14.8	509	10	2.02 U	309	162	3160	116	559
FC0271	LW2-BTFC027 Rep 1		2840 JT	1130 JT	35.9 JT	152 T		1490 JT	2320 JT	1900 JT	365 JT	1.94 UT	232 T	4.01 JT	1.65 UT	112 JT	99.1 T	1070 T	27.3 JT	194 T
FC028	LW2-BTFC028		21100	2730	534	4700		9020	3350	14400	62.3	4.01 U	7700	87.6	44.3	1700	3130	29000	733	5470
FC029	LW2-BTFC029		5820 J	1560 J	62.3 J	248 J		2610 J	1810 J	3240 J	191 J	17.3 J	678 J	7.95 J	1.72 UJ	252 J	208 J	3120 J	87.5 J	570 J
FC030	LW2-BTFC030		4170	619	63.7	632		1800	950	2690	38.1	2.38 U	1160	11.5	2.36 U	264	445	3990	101	749
FC031	LW2-BTFC031		1730	305	21.4	164		718	779	1170	37.1	1.86 U	285	2.97	1.58 U	90.7	124	1240	30.2	221
FC032	LW2-BTFC032		9560 J	2340 J	157 J	524 J		5060 J	2170 J	4620 J	371 J	48.4 J	1260 J	21.5 J	27.3 UJ	369 J	494 J	5550 J	138 J	1080 J
FC033	LW2-BTFC033		1500	186	22.5	152		552	408	836	30.4	14.9	295	5.27	3 U	105	154	1260	34.7	223
BT001	LW2-BTLC001		894	124	33	122		415	131	657	4.89	1.96 U	250	1.53	1.4	66.9	121	847	22.9	290
BT002	LW2-BTLC002		3930	705	222	568		2530	567	3900	11.5	3.58 U	1330	9.59	8.44	328	743	4690	120	1950
BT003	LW2-BTLC003		313	36.2	8.26	53.7		103	42.3	205	2.68	1.85 U	69.4	0.614	1.57 U	22.1	28.6	231	7.1	59.8
BT004	LW2-BTLC004		340	40.2	9.93	55.3		109	45.1	211	3.1	1.86 U	78.9	0.577	0.559 U	24.3	35.3	246	7.11	71
BT005	LW2-BTLC005		470	65	17.1	70		200	68.5	371	5.54	1.9 U	103	1.71	1.27	36.3	45.4	379	10.5	110
BT0061	LW2-BTLC006-1		541	83.7	25.8	85.1		216	83.4	492	3.73	1.84 U	130	1.51	1.29	51	61.8	524	13.2	160
BT0062	LW2-BTLC006-2		605	94.5	29.6	96.4		259	91.1	580	4.54	1.82 U	163	1.59	1.31	56	75.4	659	15.5	192
BT007	LW2-BTLC007		802	133	34.1	181		421	94.3	591	16.5	6.9	234	3.15	1.82	58	129	944	28.2	268
BT008	LW2-BTLC008		811	123	28.2	157		374	118	556	9.29	6.28	204	2.39 U	1.71	63.1	107	801	23.5	247
BT009	LW2-BTLC009		362	44.9	10.3	59		117	50.3	223	4.1	1.89 U	83.4	0.641	0.478 J	25.4	34.4	249	7.71	70.9
BT010	LW2-BTLC010		498	63	13.5	97.4		171	71.1	302	3.43	1.85 U	134	1.14 U	1.57 U	39.1	61.5	440	13.1	103
BT011	LW2-BTLC011		354	42.7	10.1	55.7		107	51.7	211	2.71	1.94 U	73.9	0.575 J	0.351 U	24.1	29.3	221	6.27	64.4
BT012	LW2-BTLC012		488	60.6	16.5	76		190	67.1	345	2.61	1.9 U	114	0.924	1.31	36	37.8	400	11.2	114
BT013	LW2-BTLC013		469	57.9	9.85	60.1		140	58.9	251	8.36	1.86 U	101	0.967	0.762	30.1	42.2	319	9.65	77.4
BT014	LW2-BTLC014		487	57	13.2	84		165	65.9	289	3.23	1.94 U	106	0.786	1.65 U	34	44.4	353	10.5	96.9
BT015	LW2-BTLC015		472	58	14.9	77.8		172	63.4	297	3.61	1.94 U	101	0.945	0.643 U	33.7	46.7	377	10.7	108
BT016	LW2-BTLC016		5740	2710	158	115		1750	2350	1400	1170	1.92 U	75.3	23.6	1.64 U	270	34.2	356	19.9	96.1
BT017	LW2-BTLC017		6910	1490	593	2210		5220	859	8150	31.7	99.4	3700	30.6	17	535	2800	14700	396	4420
BT018	LW2-BTLC018		521	65.8	17.6	84.3		211	69.5	392	2.47	1.94 U	105	2.15 U	1.65 U	37.9	43.3	400	12	135
BT019	LW2-BTLC019		485	59.1	13.2	80.7		177	66.3	286	4.9	1.94 U	97.8	0.739 U	0.503 J	33.4	47.1	355	10.7	100
BT020	LW2-BTLC020		651	91.9	28.5	167		362	67.7	518	4.4	2.37 U	219	1.9 U	1.91	45.2	110	911	26.2	222
BT021	LW2-BTLC021		474	61.9	16	82.8		180	63.6	342	2.11 U	4.76 U	124	1.17 J	1.1 U	34.3	51.8	462	12.7	125
BT022	LW2-BTLC022		1060	184	40	166		773	122	1060	12.4	7.96	235	2.37	9.01	71.7	93	1290	34.8	311
BT023	LW2-BTLC023		738	90.3	20.5	115		431	99.3	732	5.06	2.31 U	135	2.25 U	2.53	56.2	49.1	734	20	164
BT024	LW2-BTLC024		1010	158	48.9	228		728	106	1050	5.13	8.94	300	2.27	5.94	72.2	123	1510	43.2	391
BT025	LW2-BTLC025		424	46	12	70.2		142	52.3	263	1.45	1.87 U	108	0.83	0.775 U	30.6	46.3	357	10.1	94.4
BT026	LW2-BTLC026		811	271	18.5	54.6		335	189	434	31.1	1.92 U	84.1	0.91	1.47	35.6	32.5	360	12.4	86.9
BT0271	LW2-BTLC027-1		492	75.3	12.7	68.8		187	94	335	10.6	2.35	90.4	0.907	0.601	30.2	44.2	343	10.3	87
BT0272	LW2-BTLC027-2		428	64.2	11	59.6		157	70.9	272	10.7	2.34	78.2	2.15 U	1.65 U	27.2	38.4	296	8.41	78.1
BT028	LW2-BTLC028		8070	2030	695	2090		5020	1430	8390	30	111	3200	33.5	17.3	782	1510	12900	266	3940
BT029	LW2-BTLC029		441	54.9	10.4	60.3		132	61.4	258	3.93	1.88 U	84.1	0.715	1.6 U	28.9	36.4	319	9.14	74.9
BT030	LW2-BTLC030		571	69.3	17.7	94.3		226	86.9	401	1.85 J	2.65 J	137	1.23 J	1.58 J	38.2	60.2	498	14.3	123
BT031	LW2-BTLC031		467	54.4	12.1	79.5		174	61.7	299	5.6	3.34	96.5	2.15 U	1.65 U	30.2	45.7	391	11.8	93.6
BT032	LW2-BTLC032		1780	596	57.5	128		909	513	857	107	5.53	166	2.14	1.75	73.4	78.8	721	18.8	216
BT033	LW2-BTLC033		495	73.9	14.4	79.5		192	82.1	303	13.2	1.87 U	88.8	2.07 U	1.59 U	33.7	45.9	354	9.94	94.2
BT001	LW2-BTLW001		20500	2430	700	2410		14000	2220	21100	64.4	16.3 U	9610	73.2	70	1640	4170	30800	858	10400
BT002	LW2-BTLW002		168000	20600	5820	20600		105000	18400	180000	252	1510	97900	480	345	12300	46000	316000	5440	84000
BT003	LW2-BTLW003		920	167	25.5	87.4		552	167	936	34.2	2.3 U	292	4.4	3.23	74.3	145	1260	35.1	329
BT004	LW2-BTLW004		1230	212	50.7	197		785	181	1410	22.6	1.94 U	445	5.92	4.57	113	220	1860	49.4	523
BT005	LW2-BTLW005		8360	1220	283	1150		6270	1070	10200	119	73.5	2000	67.9	40.8	676	884	10100	287	2870
BT0061	LW2-BTLW006-1		11900	1920	582	1670		7920	1580	17900	69.3	167	4040	56.6	44.4	1220	1760	15200	403	5840
BT0062	LW2-BTLW006-2		15700	2640	763	2480		10800	2230	24800	81.9	239	5050	83.2	56.4	1630	2130	23400	554	7350
BT007	LW2-BTLW007		2170	435	101	356		1430	347	2470	39.6	33.8	770	10.1	6.79	233	370	3140	80.3	965
BT008	LW2-BTLW008		4160	763	151	679		2370	610	3820	103	38.9	1080	28.2	10.4	359	563	5010	149	1470
BT009	LW2-BTLW009		2390	489	88.9	359		1470	419	2240	84.2	4.76 U	650	14	10.2	204	269	3000	94.6	768
BT010	LW2-BTLW010		2910	536	97	415		2050	505	2920	80	16.6	621	13.5	16.6	229	183	3140	101	908
BT011	LW2-BTLW011		2510	466	82.8	336		1590	455	2530	77.9	1.91 U	811	15.1	9.6	206	362	3700	102	878
BT012	LW2-BTLW012		9210	1220	349	1520		8280	1030	12400	32.7	3.54 U	3200	48.5	88	846	560	13800	397	3410
BT013	LW2-BTLW013		3620	774	67.6	208		1750	572	2200	189	15.7	562	15.4	10.9	204	221	2610	81.6	565

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	32598-10-0	73575-53-8	73575-52-7	32598-11-1	41464-42-0	74338-23-1	32690-93-0	32598-13-3	70362-49-1	41464-48-6	33284-52-5	70362-50-4	52663-62-4	PCB083_099	52663-60-2	PCB085_116_117	PCB086_087_097_	38380-02-8	PCB088_091	73575-57-2
	Chemical Name	PCB066	PCB067	PCB068	PCB070	PCB072	PCB073	PCB074	PCB077	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083 & 099	PCB084	PCB085 & 116 & 117	PCB086 & 087 & 097 & 108 & 119 & 125	PCB087	PCB088 & 091	PCB089
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
FC001	LW2-BTFC001	5530	143	37.6		42.5	15.7		383	1.46 U	151	2.1 U	14.9	618	4930	1070	1380	5960		1060	84.5
FC002	LW2-BTFC002	13000	285	59.9		84.5	22		818	1.22 U	308	1.05	36.4	1460	9390	2450	2800	12700		2020	204
FC003	LW2-BTFC003	1010	39.9	21		18.2	15.9		78	1.21 U	46.2	2.09 U	2.84	144	1800	346	347	1730		423	15
FC004	LW2-BTFC004	2140	106	28.6		28.1	13.1		169	1.21 U	65.8	2.1 U	8.31	293	2650	583	575	2790		591	30.3
FC005	LW2-BTFC005	6100	365	61.4		85.2	1.63 U		486	2.04 U	141	2.08 U	20.1	881	6690	2300	1490	8250		1620	105
FC0061	LW2-BTFC006 Rep 1	7720 T	435 T	95.6 T		170 T	1.63 UT		609 T	2.6 UT	392 T	2.42 UT	20.5 T	1930 T	15000 T	4830 T	3380 T	18300 T		2900 T	167 T
FC007	LW2-BTFC007	1840	91.7	25.4		24.9	14.3		148	1.22 U	59.5	2.11 U	6.51	229	2320	532	483	2460		571	26.6
FC008	LW2-BTFC008	1490	81.1	27.1		30.9	16		147	2.29 U	48.4	2.13 U	6.93	250	2420	581	494	2430		529	26.7
FC010	LW2-BTFC010	925	45.9	27.9		22.1	22.6		68	1.14 U	41.7	1.98 U	3.19	124	1950	335	321	1710		469	13.9
FC011	LW2-BTFC011	1700 J	77.9 J	39.3 J		34.5 J	31.9 J		142	3.55 UJ	95.6 J	3.11 UJ	5.36	242	3020	536	571	2650		658	23.6
FC012	LW2-BTFC012	1340	55.3	34		31.2	20.5		98.4	1.18 U	56	0.693	3.87	184	2480	490	449	2270		604	20.1
FC013	LW2-BTFC013	1900	65.9	51.8		64.8	25.9		112	1.26 U	81.9	2.19 U	5.19	374	4420	923	800	3380		945	31.2
FC014	LW2-BTFC014	971	36.6	21.6		23.7	11		81.5	1.2 U	34.5	0.694	2.76	177	1890	455	376	1730		490	18.5
FC015	LW2-BTFC015	1080	42.8	22		24.6	11.2		97.1	1.25 U	56.9	2.17 U	3.25	204	2050	388	401	1800		405	18.4
FC016	LW2-BTFC016	3780	879	1220		373	1970		109	5.03 U	512	4.41 U	9.53	513	53800	5610	3060	20500		13700	109
FC017	LW2-BTFC017	2310	87.4	28.6		32.9	1.67 U		188	1.23 U	73.8	2.13 U	7.98	368	3000	795	723	3010		760	44.5
FC018	LW2-BTFC018	1930 J	62.8 J	22.3 J		26.8 J	10.1 J		151	1.26 UJ	74.3 J	2.19 UJ	4.64	290	2480	523	578	2510		511	31.5
FC019	LW2-BTFC019	876	39.6	24.2		18.8	22.8		75.9	1.26 U	58.9	2.18 U	3.1	155	1980	376	342	1850		515	14.3
FC020	LW2-BTFC020	1690	65.1	26.8		32.4	1.65 U		141	1.25 U	56.1	2.1 U	6 U	304	2970	728	649	2890		720	35.3
FC021	LW2-BTFC021	1830	66	23.3		29.3	1.64 U		141	1.38 U	53.6	2.09 U	4.92 U	287	2540	647	565	2500		627	35.8
FC022	LW2-BTFC022	1650	71.7	91.7		75.7	55.7		123	1.56 U	126	2.71 U	4.5 U	438	7260	1290	985	5330		2050	36.5
FC024	LW2-BTFC024	2680	88.7	46.5		53.1	1.67 U		172	2.02 U	179	2.13 U	9.41 U	471	5460	1270	1170	5830		1380	48.6
FC025	LW2-BTFC025	2820	110	44.7		51.1	1.79 U		213	2.12 U	108	2.29 U	8.99 U	384	4060	989	839	3980		1170	49.4
FC026	LW2-BTFC026	1780	123	212		111	180		122	2.16 U	148	2.19 U	7.19	423	10300	1480	1120	6080		3960	42.6
FC0271	LW2-BTFC027 Rep 1	629 T	34.5 JT	35.4 JT		27.5 JT	66.1 JT		56 JT	1.22 UT	38 T	1.46 T	1.53 UT	108 T	1620 JT	302 JT	283 T	1460 JT		876 JT	11.5 T
FC028	LW2-BTFC028	17400	738	85.1		129	1.64 U		1270	3.86 U	250	3.36 U	49.8	1360	9120	2680	2390	10200		2060	201
FC029	LW2-BTFC029	1780 J	89.9 J	113 J		73.7 J	83.5 J		166	1.36 UJ	158 J	2.21 UJ	5.52	473	7760	1290	969	5580		2300	41.9
FC030	LW2-BTFC030	2420	110	39.5		41.8	1.67 U		207	2.29 U	95.7	2.13 U	8.32 U	358	3850	791	723	3460		878	37
FC031	LW2-BTFC031	722	32.1	16		15	16.1		66.1	1.17 U	42.4	2.03 U	3 U	121	1420	306	300	1440		418	11.6
FC032	LW2-BTFC032	3100 J	196 J	111 J		88.5 J	127 J		277	20.2 UJ	110 J	35 UJ	8.56 J	567	7030	1270	1050	4940		3150	45.5
FC033	LW2-BTFC033	733	35.8	14		14.1	10.8		68.6	3.2 U	26.7	2.69 U	3.06	108	1070	251	234	1040		291	11.1
BT001	LW2-BTLC001	596	14.8	3.84 U		5.41	1.68 U		49.2	1.27 U	20.6	2.14 U	2.02	71.6	574	151	181	705		108	10.7
BT002	LW2-BTLC002	3300	67.1	12.3		22.5	1.66 U		224	3.6 U	42.4	3.09 U	8.01	355	1510	792	608	2170		472	64.6
BT003	LW2-BTLC003	169	6.81	2.07 U		1.91 U	1.58 U		19.6	1.16 U	16.6	2.02 U	0.747	14.9	351	33.7	76.1	383		33.3	1.44
BT004	LW2-BTLC004	191	6.56	1.78		1.74	1.59 U		20.8	1.17 U	17.2	2.03 U	0.745	16.5	312	36.8	78.7	374		34.9	1.81
BT005	LW2-BTLC005	254	10.1	4.67		5.88	1.63 U		24.4	1.2 U	19.5	2.08 U	1.08	32	400	96.3	102	466		65.6	3.49
BT0061	LW2-BTLC006-1	334	12.5	3.48		4.72	1.58 U		34.5	1.16 U	26.1	2.01 U	1.06	71.7	570	208	168	725		114	6.96
BT0062	LW2-BTLC006-2	393	15.1	3.78		5.47	1.55 U		37.7	1.14 U	27	1.98 U	1.13 U	88.6	617	240	185	788		125	8.5
BT007	LW2-BTLC007	645	25.6	7.66		7.73	3.99		75	1.33 U	30.4	2.31 U	3.46	66.9	1090	169	277	993		146	6.78
BT008	LW2-BTLC008	542	20.9	6.68		6.78	1.65 U		62.3	1.21 U	28	2.11 U	3.35 U	58.5	924	144	231	922		136	6.46
BT009	LW2-BTLC009	200	7.46	2.19		2.77	1.62 U		22.9	1.19 U	17.2	2.06 U	1.03	18	379	44.2	91.8	428		42.5	1.9
BT010	LW2-BTLC010	307	13.1	2.58		2.92	1.59 U		28.7	1.17 U	19.4	2.02 U	1.37	22.3	353	53.4	92.3	414		46.9	2.96
BT011	LW2-BTLC011	181	6.47	1.79		2.13	1.66 U		20.4	1.22 U	15.3	2.12 U	0.691 U	15.3	332	38	81.8	385		36.8	1.76
BT012	LW2-BTLC012	264	8.85	3.99		5.94	1.63 U		29.5	1.2 U	15	2.08 U	0.999	31.6	470	86.3	116	529		69.7	3.51
BT013	LW2-BTLC013	239	8.41	4.28		3.92	2.05		26.9	1.17 U	21.1	2.04 U	1.44 U	23.7	510	57.8	111	547		60.1	2.26
BT014	LW2-BTLC014	250	9.75	2.58		2.66	1.66 U		27.8	1.22 U	18.4	2.12 U	1.03	20.7	386	45.2	102	439		44.2	1.82
BT015	LW2-BTLC015	254	9.49	3.23		3.38	1.66 U		29.9	1.22 U	17.8	2.12 U	1.23	25.7	414	58.2	112	477		52.6	2.49
BT016	LW2-BTLC016	285	38.2	49.5		19.2	191		23.1	1.21 U	21.2	2.1 U	0.833	27	1340	288	151	830		436	5.58
BT017	LW2-BTLC017	7160	188	21.9		43.9	1.73 U		461	1.27 U	76.1	2.21 U	23	697	2890	1430	1130	3200		841	150
BT018	LW2-BTLC018	255	8.83	4.22		5.21	1.66 U		24.9	1.26 U	14.3	2.12 U	1.29 U	29	469	73.2	102	485		59.7	3.93
BT019	LW2-BTLC019	246	9.48	3.02		3.01	1.66 U		31.4	1.22 U	17.5	2.12 U	1.11	22.4	432	52.4	112	487		52.3	2.06
BT020	LW2-BTLC020	622	23.5	7.09		6.6	2.03 U		72.6	1.49 U	35.4	2.59 U	3.99 U	51.7	1220	127	279	1070		124	5.16
BT021	LW2-BTLC021	299	9.62	3.05		3.53	4.07 U		31.5	3 U	17.1	5.2 U	1.48 U	29.9	424	73.7	115	486		55.3	3.81
BT022	LW2-BTLC022	823	21.4	27.4		31.6	6.26		76.1	1.21 U	42	0.752 U	2.61	153	2190	533	450	1830		460	13.6
BT023	LW2-BTLC023	413	12.2	8.05		13.3	1.63 U		38.8	2.33 U	27.1	2.08 U	2.44 U	39.1	726	177	158	696		120	4.18
BT024	LW2-BTLC024	938	27.2	15.9		21	1.72 U		84.9	1.5 U	39.7	2.19 U	4.12 U	158	1960	478	513	1820		351	15
BT025	LW2-BTLC025	237	8.75	2.77		2.91	1.6 U		29.2	1.18 U	20.3	2.04 U	1.45 U	25.8	421	57.4	112	489		51.9	2.67
BT026	LW2-BTLC026	230	9.91	10.9		7.51	11.9		26.5	1.21 U	22.1	2.09 U	1.11 U	34.5	725	128	137	669		243	3.69
BT0271	LW2-BTLC027-1	231	8.47	3.96		3.4	2.29		28.5	1.21 U	16.8	2.11 U	1.45 U	23.1	522	56.9	115	540		77.9	2.79
BT0272	LW2-BTLC027-2	203	7.09	3.55		2.88	1.96		24.9	1.22 U	15	2.12 U	1.11 U	21.5	442	53.8	112	503		64	2.31
BT028	LW2-BTLC028	6820	206	26.1		44.6	1.65 U		497	3.81 U	46.1	3.36 U	16.3	557	2480	1300	861	3020		703	102
BT029	LW2-BTLC029	202	7.68	3.03		2.88	1.61 U		26.1	1.18 U	23.8	2.05 U	1.15 U	24.1	474	61.5	110	560		65.2	2.32
BT030	LW2-BTLC030	335	12.6	4.46 J		4.97	13.1 U		40.3	9.65 U	22.4	16.7 U	3.88 U	43.1	715	106	169	711		94.1	3.72 J
BT031	LW2-BTLC031	270	9.78	3.49		2.98	1.66		33.1	1.22 U	21.6	2.12 U	1.73 U	23.4	516	53.2	133	565		59.2	2.18
BT032	LW2-BTLC032	448	20.4	11.9		8.47	21.6		47.1	1.21 U	17.4	2.11 U	2.04 U	49.7	856	154	166	760		364	5.92
BT033	LW2-BTLC033	226	8.88	2.65		2.51	1.6 U		28.6	1.18 U	16.2	2.04 U	1.23	22.3	395	53.2	108	455		54.6	2.2
BT001	LW2-BTLW001	22500	374	117		199	1.64 U		1300	16.7 U	283	14.6 U	54.9	3170	15400	4750	5610	15400		4230	446
BT002	LW2-BTLW002	217000	2800	425		927	4.12 U		8120	65 U	1270	58.5 U	366	19600	104000	36900	41900	114000		24800	2890
BT003	LW2-BTLW003	786	20	17.9		18.4	15.7		61.1	2.31 U	20	2.11 U	2.14 U	147	1430	280	331	996		368	12.8
BT004	LW2-BTLW004	1080	34.1	15.5		20.3	1.66 U		72.1	1.86 U	22	2.12 U	2.32	174	1340	356	340	1100		322	15.7
BT005	LW2-BTLW005	5580	241	191		242	50.8		345	2.14 U	173	3.81	13.6	1050	11200	2380	2080	8610		2360	93.6
BT0061	LW2-BTLW006-1	7850	371	128		188	1.66 U		727	4.86 U	353	4.17 U	22.6	2890	18700	6040	4780	19300		4220	213
BT0062	LW2-BTLW006-2	11600	501	171		259	1.67 U		892	9.24 U	403	7.93 U	30.4	3260	22500	6930	5600	23500		5010	248
BT007	LW2-BTLW007	1870	60.4	26.5		34.2	22.9		143	3.17 U	31.9	2.78 U	5.17	300	2400	615	597	1960		687	28.1
BT008	LW2-BTLW008	2590	120	46.4		55.4	32.6		239	1.18 U	62.3	1.2	11.9	503	4280	966	1000	3220		1040	54.5
BT009	LW2-BTLW009	1510	62.3	39.3		54.7	28.5		120	4.77 U	47	4.1 U	4.54 U	340	3080	676	681	2530		761	29.7
BT010	LW2-BTLW010	1730	69.7	66.5		89.9	27.5		87.4	1.33 U	59.6	2.47	2.76 U	271	3530	674	625	2250		862	32.6
BT011	LW2-BTLW011	2100	71.1	39.5		50.6	28.7		147	1.92 U	51	2.08 U	3.99	338	3050	661	736	2310		742	33.3
BT012	LW2-BTLW012	7610	215	214		337	1.65 U		454	3.63 U	191	8.26	9.23	1040	11500	2710	2020	7530		2620	131
BT013	LW2-BTLW013	1400	59.3	92.7		93.6	71.7		125	1.52 U	82.6	8.11	5.49	355	5990	907	754	3420		1210	30.7

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	68194-07-0	PCB090_101_113	52663-61-3	PCB093_095_098_	73575-55-0	38379-99-6	73575-54-9	41464-51-1	38380-01-7	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB107_124	74472-35-8	38380-03-9	PCB110_115	39635-32-0	74472-36-9
	Chemical Name	PCB090	PCB090 & 101 & 113	PCB092	PCB093 & 095 & 098 & 100 & 102	PCB094	PCB095	PCB096	PCB097	PCB099	PCB101	PCB103	PCB104	PCB105	PCB106	PCB107 & 124	PCB109	PCB110	PCB110 & 115	PCB111	PCB112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
FC001	LW2-BTFC001		7100	1330	7170	83.6		50.8				139	20.9	2440	0.721 U	218	473		6310	8.2	0.631 U
FC002	LW2-BTFC002		14100	2460	14700	140		104				202	26.7	5080	1.14 U	465	1000		13300	11.3	1.28 U
FC003	LW2-BTFC003		3000	633	3010	55.4		25.2				108	21.1	617	0.865 U	67.9	176		2260	7.65	0.692 U
FC004	LW2-BTFC004		4410	884	4250	69.1		35				121	22.6	1160	0.838 U	122	285		3640	8.66	0.691 U
FC005	LW2-BTFC005		12000	2390	12000	137		102				214	22.8	3370	0.717 U	360	702		10900	11.7	0.628 U
FC0061	LW2-BTFC006 Rep 1		28600 T	5270 T	26900 T	137 T		111 T				237 T	17 T	7190 T	1.59 UT	898 T	1730 T		28200 T	16.4 T	0.78 UT
FC007	LW2-BTFC007		3960	791	4160	71.2		36.3				125	23.3	1010	0.872 U	100	236		3040	8.18	0.66 U
FC008	LW2-BTFC008		3940	924	3630	66.7		27.9				117	16.1	1270	2.11 U	130	311		3400	11.2	0.689 U
FC010	LW2-BTFC010		3270	727	3600	73.7		29.5				132	23.6	578	0.683 U	65.8	171		2250	8.09	0.598 U
FC011	LW2-BTFC011		5280	1070	4380	84		37.5				162	34.6	1190	3.55 U	126	347		4000	12.8	1.02 U
FC012	LW2-BTFC012		4370	888	4110	74.9		35				158	21.6	861	1.04 U	96.3	250		3210	9.79	0.617 U
FC013	LW2-BTFC013		6890	1690	6120	89.7		42				208	29.6	1280	3.06 U	160	427		5730	17.5	1.21 U
FC014	LW2-BTFC014		3300	718	3300	51.9		29.9				136	15	747	0.913 U	80.6	205		2500	7.41	0.628 U
FC015	LW2-BTFC015		3580	732	2590	37		22				107	13	872	3.95 U	91.1	246		2660	8.61	0.729 U
FC016	LW2-BTFC016		73300	23500	122000	6640		1930				6500	2330	1450	88	310	1460		18000	357	4750
FC017	LW2-BTFC017		5050	1050	4640	61.5		48.7				169	16.4	1320	3.22 U	122	334		4370	10.9	0.972 U
FC018	LW2-BTFC018		4500	832	3230	35.7		22.3				101	13	1140	4.72 U	114	302		3490	9.37	0.812 U
FC019	LW2-BTFC019		3460	703	3960	65.2		32.2				137	25.4	733	4.6 U	77	189		2710	7.6	1.08 U
FC020	LW2-BTFC020		4930	1020	4460	53.1		43.3				162	12.8	1080	0.743 U	111	299		4250	9.58	1.21 U
FC021	LW2-BTFC021		4220	867	4100	44.5		37.8				128	11	987	2.73 U	93.9	280		3550	8.41	1.07 U
FC022	LW2-BTFC022		12300	2780	10900	194		122				501	40.7	1570	1.83 U	179	680		8980	41.4	2.38 U
FC024	LW2-BTFC024		9390	1710	8890	83.4		62.3				216	15.6	2320	1.43 U	234	536		8010	11.1	1.33 U
FC025	LW2-BTFC025		7110	1500	6810	84.1		63				233	16.1	1550	0.906 U	159	416		5350	13.5	1.3 U
FC026	LW2-BTFC026		18000	4880	17600	533		269				1120	112	1520	4.87 U	199	783		9820	62.8	4 U
FC0271	LW2-BTFC027 Rep 1		2800 JT	575 JT	3660 JT	88.2 JT		78 JT				266 JT	42.1 JT	552 T	2.37 UT	53.7 T	172 JT		2050 T	16.9 JT	0.638 UT
FC028	LW2-BTFC028		15900	2750	12300	114		112				242	15.9	4980	1.39 U	463	1120		13500	13.9	1.68 U
FC029	LW2-BTFC029		13400	3230	14000	248		132				563	63.2	1740	4.13 U	237	656		8830	36.6	2.11 U
FC030	LW2-BTFC030		7090	1400	5760	51.3		41				209	15.1	1540	4.2 U	163	470		5330	14.2	0.642 U
FC031	LW2-BTFC031		2570	464	2750	34.6		25.1				121	14.6	685	2.46 U	64.7	170		2050	4.99	0.625 U
FC032	LW2-BTFC032		14700	3300	13000	210		254				753	81.8	1970	12 U	244	653		10400	45.6	10.5 U
FC033	LW2-BTFC033		1800	385	2030	28		18.7				85.1	11.7	506	2.48 U	47.9	119		1550	4.69	0.667 U
BT001	LW2-BTLC001		860	134	661	5.19		5.77				6.64	0.446 J	388	2.35 U	34.5	65.8		872	0.551 U	0.644 U
BT002	LW2-BTLC002		2200	397	1930	24.5		36.2				20.3	0.858 U	1020	3.24 U	89.6	186		2500	0.859 U	0.64 U
BT003	LW2-BTLC003		526	66.7	300	1.44		1.24				2.83	0.268 J	233	1.36 U	23.9	44.1		440	0.511 U	0.609 U
BT004	LW2-BTLC004		493	63.9	317	1.61		1.44				2.57	0.482 U	227	1.61 U	27.7	41		468	0.363 U	0.612 U
BT005	LW2-BTLC005		642	102	452	3.49		2.63				6.8	0.719	260	1.68 U	26.2	54.7		662	0.742	0.626 U
BT0061	LW2-BTLC006-1		921	154	806	4.11		4.28				6.35	0.334 U	375	2.34 U	38	71		1160	0.618 U	0.607 U
BT0062	LW2-BTLC006-2		1060	175	826	4.44		4.55				6.66	0.462 J	392	2.21 U	40.8	73.5		1300	0.497 J	0.598 U
BT007	LW2-BTLC007		1630	228	801	9.13		6.36				12.8	1.35	711	0.795 U	64.1	144		1440	1.5	0.696 U
BT008	LW2-BTLC008		1420	208	822	8.72		6.38				16.4	2.26	576	0.726 U	54.1	127		1260	1.61	0.635 U
BT009	LW2-BTLC009		581	75.2	364	2.11		1.63				3.76	0.443 J	254	1.62 U	21.9	44		532	0.394 U	0.622 U
BT010	LW2-BTLC010		533	72.3	342	1.7		1.69				3.75	0.377 J	254	1.73 U	24	48.7		523	0.489 U	0.609 U
BT011	LW2-BTLC011		515	65.1	356	1.29		1.43				2.65	0.239 J	234	1.29 U	22.1	40		466	0.459 U	0.639 U
BT012	LW2-BTLC012		770	120	535	2.13		2.62				7.98	0.212 U	285	1.95 U	28.1	59.6		730	0.909	0.626 U
BT013	LW2-BTLC013		813	124	539	6.01		2.57				9.9	1.65	303	0.701 U	30	70.4		715	1.34	0.614 U
BT014	LW2-BTLC014		600	84.4	363	1.79		1.66				3.65	0.34 J	286	1.86 U	27.1	61		559	0.535 J	0.64 U
BT015	LW2-BTLC015		636	96	410	2.03		2.12				5.02	0.407 J	307	2.14 U	28.7	65.8		618	0.709	0.638 U
BT016	LW2-BTLC016		2140	696	2800	303		131				244	97.8	279	1.25 U	28.8	76.6		893	5.96	110
BT017	LW2-BTLC017		3970	683	2800	45.4		80.9				40.2	1.52	1960	0.761 U	154	327		4260	2.35	0.666 U
BT018	LW2-BTLC018		833	146	530	2.47		2.66				12.2	0.261 J	241	1.22 U	23.8	53.2		634	1.49	0.64 U
BT019	LW2-BTLC019		668	90.5	399	2.42		2.1				5.02	0.612	321	2.28 U	29.5	70.8		610	0.6 U	0.639 U
BT020	LW2-BTLC020		1870	222	691	3.43		3.57				8.07	0.387 J	825	0.892 U	76.5	172		1490	1.63	0.781 U
BT021	LW2-BTLC021		658	89.5	459	1.9 U		2.2				4.31	0.284 U	304	1.79 U	27.5	58.8		623	0.445 J	1.57 U
BT022	LW2-BTLC022		3460	651	1990	22.5		17.1				85.8	2.69	964	3.23 U	93.7	268		3150	5.99	0.666 U
BT023	LW2-BTLC023		1140	204	773	4.9		5.15				17.1	0.612	398	2.19 U	38.2	103		1030	1.23	0.628 U
BT024	LW2-BTLC024		3100	465	1600	10.6		11.8				30.7	0.729	1140	3.59 U	104	251		2810	2.5	0.66 U
BT025	LW2-BTLC025		652	93	421	1.71		1.68				4.17	0.177 J	300	0.703 U	29.1	56.6		610	0.669	0.616 U
BT026	LW2-BTLC026		1260	254	1050	31.7		19.2				49.4	5.2	311	0.721 U	30.4	76.2		962	2.4	0.631 U
BT0271	LW2-BTLC027-1		790	140	539	6.94		4.73				16.7	1.36	308	1.2 U	28.3	76.5		655	2.29	0.635 U
BT0272	LW2-BTLC027-2		697	96.7	457	3.71		3.19				10.1	1.05	295	1.2 U	26.4	62		624	0.788	0.64 U
BT028	LW2-BTLC028		4090	695	3320	33		55.1				32.5	0.842	1560	3.63 U	131	264		4650	1.36	0.635 U
BT029	LW2-BTLC029		772	109	541	3.53		2.7				7.83	0.545 J	321	0.707 U	30.5	62.4		686	0.764	0.619 U
BT030	LW2-BTLC030		170	165	723	3.47 J		3.22 U				10.8	0.535 U	409	5.76 U	41.4	97.8		1010	1.57 U	5.04 U
BT031	LW2-BTLC031		829	104	450	2.53		2.37				5.84	0.575 J	386	1.34 U	35.4	81.5		718	0.771	0.64 U
BT032	LW2-BTLC032		1610	300	1480	25.9		43				80.3	7.59	357	1.17 U	36	90.4		1170	2.78	0.635 U
BT033	LW2-BTLC033		614	85.9	405	3.21		3.32				6.97	0.963	292	1.58 U	27.2	66.1		562	0.763	0.615 U
BT001	LW2-BTLW001		21000	4030	17600	193		204				221	11.8	6740	1.34 U	767	1450		22900	9.13	3.47 U
BT002	LW2-BTLW002		144000	21000	119000	1120		1360				917	33.8	61600	5.52 U	4300	7520		174000	13.4 U	13.2 U
BT003	LW2-BTLW003		2150	511	1760	36.6		20.2				79.2	10.1	543	2.79 U	59	153		2170	5.72	0.735 U
BT004	LW2-BTLW004		2010	435	1650	21.8		15.7				42.7	4.82	581	4.19 U	59	146		2240	3.54	0.684 U
BT005	LW2-BTLW005		17900	3570	13300	144		90.3				361	24	3220	11.4 U	443	966		17400	27.8	2.15 U
BT0061	LW2-BTLW006-1		34600	5860	29200	157		149				266	11.9	7510	26.7 U	1090	1870		40000	15.1 U	1.57 U
BT0062	LW2-BTLW006-2		42800	8280	36100	193		176				331	14.1	9520	37.7 U	1290	2250		46800	16.5	1.26 U
BT007	LW2-BTLW007		3710	823	3220	52.6		32				98.7	12.7	1030	4.87 U	116	280		4120	6.91	1.03 U
BT008	LW2-BTLW008		6090	1450	5330	107		51.9				158	17.2	1810	2.95 U	219	400		7000	11.9	1.01 U
BT009	LW2-BTLW009		5320	1120	3730	75.3		41.6				156	18.5	1000	4.78 U	135	338		5250	10.9	1.15 U
BT010	LW2-BTLW010		5350	1320	4220	73.5		41.1				211	16.4	773	1.45 U	106	314		4440	13.7	1.63 U
BT011	LW2-BTLW011		4800	1060	3740	66.3		43.2				149	16.6	1200	5.96 U	147	323		4720	9.63	1.81 U
BT012	LW2-BTLW012		19300	4530	14300	86.2		70.7				500	7.32	2320	0.995 U	343	1110		14700	48.4	2.24 U
BT013	LW2-BTLW013		10700	2760	7240	207		66.8				391	50.7	1170	3.38 U	179	604		7380	49.9	0.794 U

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	57465-28-8	39635-33-1	38380-07-3	PCB128_166	PCB129_138_160_163	52663-66-8	61798-70-7	38380-05-1	35694-04-3	PCB134_143	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2
	Chemical Name	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB126	PCB127	PCB128	PCB128 & 166	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB133	PCB134 & 143	PCB135 & 151 & 154	PCB136	PCB137	PCB138
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
FC001	LW2-BTFC001	156	9510		34.9	12.8	76.7	271	12.8	3.62		796	7500	461	97.1	1630	190	372	3070	774	132	
FC002	LW2-BTFC002	335	18900		52.5	14.7	183	519	23.3	7.76		1330	12400	715	185	2810	280	607	4870	1230	232	
FC003	LW2-BTFC003	36.2	2880		27.3	11.8	19.8	61.8	4.94	1.7		409	4890	252	44.4	986	151	233	2420	559	57.7	
FC004	LW2-BTFC004	68.7	4660		33	13.1	36.9	101	7.18	2.72		579	6710	337	67.9	1360	179	313	3020	679	92.8	
FC005	LW2-BTFC005	197	14100		59.5	16	99.8	248	17.2	9.45		1410	15900	777	201	3380	309	741	6050	1430	304	
FC0061	LW2-BTFC006 Rep 1	383 T	32700 T		101 T	10.5 T	231 T	485 T	38.9 T	25 T		3530 T	33300 T	1820 T	542 T	7780 T	475 T	1560 T	10300 T	2640 T	798 T	
FC007	LW2-BTFC007	62.2	4230		30.8	13.5	29.2	78.5	6.91	3.22		508	6360	300	56.4	1250	173	301	2930	645	80.8	
FC008	LW2-BTFC008	72	4560		39.5	13.5	36.9	72.4	11.2	4.48		695	6940	385	74	1470	208	320	3300	620	116	
FC010	LW2-BTFC010	35.6	2850		32.4	14.6	17.4	54.2	5.63	1.94		326	5390	253	42.6	984	168	251	2800	593	61.7 U	
FC011	LW2-BTFC011	69.1	5000		51.3	18.5	36.7	92.6	12.3	5.28		724	11700	474	77.6	1950	285	423	4470	907	134	
FC012	LW2-BTFC012	48.3	3720		41.5	14.9	24.3	61.6	8.27	2.55		424	5960	298	51.3	1180	175	273	3160	686	80.2	
FC013	LW2-BTFC013	69.1	4290		71.1	16.7	45.2	78.7	11.1	6.97		837	11200	572	79.8	2600	326	507	6720	1400	166	
FC014	LW2-BTFC014	41.9	3110		29.9	11.9	21.3	57.7	7.67	2.26		425	4720	250	44.8	1070	148	218	2550	563	54.2	
FC015	LW2-BTFC015	50	3410		36.7	11.9	26.2	64.6	9.22	4.38 U		503	6290	313	51.9	1290	193	259	2760	553	78.6	
FC016	LW2-BTFC016	75.3	19600		854	879	61.2	326	77.7 U	56.5		7440	226000	6170	1140	29700	6580	11200	110000	22200	1220	
FC017	LW2-BTFC017	80	4740		44.7	14.2	39.1	88.5	11.1	3.5		637	7280	386	73.3	1700	204	385	3520	862	88.9	
FC018	LW2-BTFC018	65.2	4160		35.4	9.9	33.5	77.8	8.78	5.23 U		581	7480	337	62	1450	180	319	2890	637	82.9	
FC019	LW2-BTFC019	40.6	3570		33.9	13.4	21.4	68.8	6.13	5.06 U		517	8310	359	52	1390	194	317	3250	706	108	
FC020	LW2-BTFC020	60.8	4230		43.9	12.1	31.1	80.6	7.96	3.16		592	6640	370	64.9	1580	182	304	3300	850	77.5	
FC021	LW2-BTFC021	61.6	3910		35.8	9.08	33.9	68.8	6.95	2.87 U		516	5750	312	56.1	1340	156	262	2770	704	66.3	
FC022	LW2-BTFC022	88.6	8740		185	34	50	114	13.9	6.77		1330	19200	941	170	4390	617	959	10900	2450	190	
FC024	LW2-BTFC024	126	11200		58.1	11.6	58.9	192	11.8	7.63		1260	12300	655	137	2650	273	544	4660	1240	200	
FC025	LW2-BTFC025	91.1	6430		59.6	13.9	48.2	112	10.9	4.96		809	9630	550	100	2260	293	486	4930	1220	119	
FC026	LW2-BTFC026	80.4	8110		271	74.7	51.2	93.7	17.4	8.86		1830	30600	1460	247	7860	943	1640	23700	4770	281	
FC0271	LW2-BTFC027 Rep 1	32 T	2360 T		35.6 JT	33.2 JT	15 T	41.1 T	4.76 T	2.19 UT		325 T	4250 T	206 T	34.3 T	870 T	183 JT	187 JT	2230 JT	644 JT	48.5 T	
FC028	LW2-BTFC028	333	16300		69.7	13.9	161	313	25.3	8.83		1630	17300	925	222	4130	371	793	7490	1750	302	
FC029	LW2-BTFC029	88.7	7990		169	36.3	62.4	125	26.8	9.8		1620	21700	1200	214	6450	662	1190	16900	3380	289	
FC030	LW2-BTFC030	89.4	6000		66.4	15.3	47.8	104	9.99	4.99		969	11900	645	114	2790	370	527	5650	1290	136	
FC031	LW2-BTFC031	40.2	2770		22	12	18.8	59.4	5.47	2.51		375	4510	221	40.3	904	130	197	1830	495	60.7	
FC032	LW2-BTFC032	106	7490		192	64.4	71.9	116	27	8.64 J		1980	49400	1720	288	9630	1030	1740	26200	5150	251	
FC033	LW2-BTFC033	27.9	1900		16.5	9.49	14.4	31.8	4.04	2.72 U		291	3870	187	30.3	725	107	160	1620	416	40.8	
BT001	LW2-BTLC001	20.1	1890		5.28	0.35 U	10.8	43.3	3.18 U	2.5 U		174	1920	78.6	11.2	188	22.6	38	264	55.7	55.3	
BT002	LW2-BTLC002	54.5	2810		6.51	1.55 U	39.8	65.2	5.35	3.49 U		328	2680	146	25.6	428	34.3	90.5	489	149	77	
BT003	LW2-BTLC003	13.1	1550		4.38	0.341 U	5.45 U	34.9	1.95	1.59 U		105	1440	49.6	4.7	76.5	13.7	16.7	137	22	41.3	
BT004	LW2-BTLC004	13.1	1530		3.87	0.209 U	5.25	33.4	2.04	1.89 U		104	1430	48.7	4.66	76.3	11.6	16.2	127	22.1	37.9	
BT005	LW2-BTLC005	14.5	1630		5.5	0.451 U	7.44	33.8	2.3	1.85 U		139	1580	60.4	8.19	171	19.7	35.6	231	53.5	45.8	
BT0061	LW2-BTLC006-1	19.2	2030		5.59	1.47 U	10.7	42.8	3	2.58 U		211	2000	86.2	14.1	274	23.2	58	343	83.9	60.6	
BT0062	LW2-BTLC006-2	20.2	1950		5.31	0.301 U	11.9	40.9	3	2.43 U		208	1980	91.5	14.8	308	23.5	61.2	375	99.3	62	
BT007	LW2-BTLC007	42.5	3280		11.4	1.15	13	68.7	6.8	2.51		362	3740	170	20.1	356	47.6	73	510	108	101	
BT008	LW2-BTLC008	33	3010		10.8	1.37	11.7	58	5.02	1.88		340	3500	156	19.3	350	47.8	70.7	528	116	80	
BT009	LW2-BTLC009	13.7	1650		4.35	0.291 J	4.9 U	35.6	2.45 U	1.9 U		121	1580	55.9	5.1	92.1	13.9	19	145	27.9	42.3	
BT010	LW2-BTLC010	14.9	1620		4.99	0.306 U	6.3 U	36.3	2.55 U	1.91 U		125	1560	59.9	6.93	119	17.9	27.5	191	33.3	45.1	
BT011	LW2-BTLC011	13.2	1570		3.98	0.212 U	5.17	34.1	2.41	1.52 U		117	1550	52	4.53	73.8	12.2	16.4	123	21.9	40.7	
BT012	LW2-BTLC012	15.4	1860		6.71	1.51 U	6.36 U	38.2	3.01	2.07 U		167	1990	76.5	9.9	194	23.6	33.7	295	62.1	55.8	
BT013	LW2-BTLC013	18.1	1980		7.82	0.848	6.44	39	3.31	1.51		166	2250	84.4	10.2	227	28.4	42.7	357	80.3	54.5	
BT014	LW2-BTLC014	16.8	1680		5.18	0.325 J	8.03	37.9	2.5 U	2 U		163	1910	78.1	7.66	130	20.7	26.2	206	34.9	51.9	
BT015	LW2-BTLC015	17	1750		5.31	0.324 J	8.09	39.7	2.58	2.3 U		191	2040	83.1	8.63	152	22.6	30.1	232	41.5	50.8	
BT016	LW2-BTLC016	14.8	1630		13.8	18.4	7.81	33.8	2.59	1.34 U		321	4900	194	27.9	860	119	258	2340	634	57.5	
BT017	LW2-BTLC017	145	5250		15.9	1.15	63.5	116	12.6	3.49		491	4480	218	31.3	549	60.3	110	682	168	119	
BT018	LW2-BTLC018	13.2	1470		7.16	1.02	5.78	29.6	1.97	1.33 U		137	1790	71.6	8.21	208	33.5	40	394	85.4	44.5	
BT019	LW2-BTLC019	17	1840		5.49	0.398 U	6.35	37.6	2.92 U	2.45 U		206	2180	93.7	9.3	153	24.8	33.5	234	42.4	58.4	
BT020	LW2-BTLC020	46.9	3940		12.8	0.518 U	13.7	77.6	7.11	2.33		392	4190	186	21.6	328	50.8	69.2	495	89	105	
BT021	LW2-BTLC021	17.2	1810		4.68	0.317 U	8.53	39.6	3.15	1.61		151	1860	66.5	8.49	144	18.7	27.7	213	44.6	48	
BT022	LW2-BTLC022	53.6	4750		29.4	3.51	21.8	73.9	8.47	3.83		600	5760	303	40.3	998	114	184	1500	428	109	
BT023	LW2-BTLC023	21.4	2160		8.51	0.582	8.59	40.9	3.11 U	2.36 U		245	2620	126	14.6	273	33.2	58.2	393	88.7	67.9	
BT024	LW2-BTLC024	64.6	5140		18.3	0.79	23.5	90.7	7.84	4.25		563	5020	252	37.1	716	68.2	133	868	252	117	
BT025	LW2-BTLC025	17.4	1810		5.45	0.255 J	5.78	42.7	2.96	1.67		152	1720	66.9	7.56	129	18.5	27.7	194	37.9	48.5	
BT026	LW2-BTLC026	18.1	1980		11.2	2.46	6.78	39.2	2.74	1.56		202	2590	98	13.3	398	42.9	83	737	209	49.1	
BT0271	LW2-BTLC027-1	18	1900		10.7	1.62	5.35	39.1	2.92	1.72		156	2050	84.8	8.14	197	59.2	42	492	83.1	46.7	
BT0272	LW2-BTLC027-2	17.1	1790		5.79	0.767	6.11	36.7	3.15	1.68		159	1790	71.3	7.72	146	21.7	28.7	239	51.6	49.3	
BT028	LW2-BTLC028	95.6	4360		11	0.605	48	92.4	9.67	3.77 U		436	3890	194	40	845	45.4	141	900	303	100	
BT029	LW2-BTLC029	18.1	2050		5.78	0.42 J	5.94	42.2	3.17	1.63		156	1860	72.6	8.6	161	21	36.5	264	58.3	52.4	
BT030	LW2-BTLC030	23.5	2260		9.06	0.941 J	7.04 U	41.9	3.93 J	7.19 U		223	2510	100	13.5	251	34.5	51.9	470	86.6	55.8	
BT031	LW2-BTLC031	23.3	2160		6.2	0.463 J	7.79	43.6	3.32	2.02		177	2100	83.6	9.54	149	23.4	32.2	241	44.5	57.1	
BT032	LW2-BTLC032	20.2	1980		13.9	4.82	8.3	42.4	3.94	1.91		292	4120	162	21.6	833	75.9	135	1620	470	52	
BT033	LW2-BTLC033	15.6	1660		5.35	0.676	5.6	35.7	2.88	1.7 U		168	1730	76.6	8.28	135	21.6	30.2	211	42.9	45.2 U	
BT001	LW2-BTLW001	513	15700		53	6.37	337	482	50.7	8.52		1850	13800	884	132	3940	248	598	5150	1480	270	
BT002	LW2-BTLW002	2840	118000		153	14.1 U	1980	2500	249	30.6		8070	63300	3610	595	17800	792	2410	25400	7580	1040	
BT003	LW2-BTLW003	30.8	1500		19.7	6.97	21.5	25.6	5.4	3.06 U		358	4010	204	20.7	839	120	130	2190	486	27.6	
BT004	LW2-BTLW004	30.6	1660		14.4	2.98	19.5	26	5.92	4.6 U		343	3070	174	19.2	719	69.5	103	1230	332	13.9	
BT005	LW2-BTLW005	205	9320		123	20.8	128	165	21	12.1 U		1990	19000	1010	131	4650	435	711	10600	2270	301	
BT0061	LW2-BTLW006-1	457	22000		87.9	1.65 U	346	445	51.3	29.3 U		4960	35700	2140	331	10800	491	1360	14500	3860	555	
BT0062	LW2-BTLW006-2	564	27300		98.7	7.78	432	497	63.6	41.4 U		5320	44400	2520	386	12000	579	1630	17500	4430	873	
BT007	LW2-BTLW007	59.1	2930		24.1	7.66	40.4	41	8.84	4.83 U		658	5720	306	40.5	1530	148	212	2440	667	36	
BT008	LW2-BTLW008	121	5110		40.8	13.7	62.4	89.4	17.7	8.88		1020	10100	484	62.9	2250	222	348	5000	1040	210	
BT009	LW2-BTLW009	61	3200		47.6	11.3	41.4	49.5	10	5.25 U		802	9010	488	46.8	1910	214	297	4460	953	108	
BT010	LW2-BTLW010	43.3	2850		65.1	12.5	32.4	42.4	8.87	1.54 U		632	7750	427	39.2	1740	234	290	4920	1020	106	
BT011	LW2-BTLW011	77.1	3510		37	11.8	46.7	66.4	11.3	6.54 U		724	8150	393	42	1640	193	271	4530	892	96.7	
BT012	LW2-BTLW012	152	7870		185	23.9	128	120	24.6	8.27		1630	18000	1260	129	5400	738	832	11000	2430	232	
BT013	LW2-BTLW013	63.9	4860		186	29.9	44.9	56.1	29.3	6.06		1650	28300	1150	106	5990	714	807	14500	2770	162	

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	16605-91-7	25569-80-6	33284-50-3	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	37680-66-3	37680-65-2	PCB018_030	38444-73-4	PCB020_028
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB005	PCB006	PCB007	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB017	PCB018	PCB018 & 030	PCB019	PCB020 & 028
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
BT014	LW2-BTLW014	2.66	8.63	2.82 U	88.3	1.22	17	3.44	76.3	4.88	4.13	217	13.6	0.741 U	81.3	94.8	181		266	171	750
BT015	LW2-BTLW015	2.6	5.13	3.14	81.6	0.981	15.7	3.42	63.9	4.42	3.92	194	12.1	0.481 J	83.2	78.7	169		229	170	788
BT016	LW2-BTLW016	141	14.5	37.2	29600	3.9 U	338	126	423	140	1780	128	405	3.7 U	519	594	31300		4630	108000	3900
BT017	LW2-BTLW017	1230	21	360	4680	89.1	834	453	12900	402	68.1	218	252	11.6	6440	10400	13000		38000	2040	60900
BT018	LW2-BTLW018	9.04	11.1	7.01	143	3.15	80.8	8.35	210	13.1	5.55	327	47.5	1.27	136	320	555		1030	239	2910
BT019	LW2-BTLW019	3.38	13.1	3.47	104 J	1.74 J	21.3 J	5.09 J	103 J	6.1 J	5.26 J	141 J	11.4 J	0.55 J	53.7 J	72.2 J	160 J		200 J	236 J	573
BT020	LW2-BTLW020				94.8 J	2.38 J	42.6 J	6.71 J	168 J	8.31 J	2.42 J	281 J	26.5 J	0.799 UJ	115 J	199 J	297 J		518 J	144 J	1720 J
BT021	LW2-BTLW021	7.4	7.95	6.19 U	119	3.41	55.1	10.5	293	14.5	4.38	202	19.1	0.529 J	144	473	763		1370	203	3210
BT022	LW2-BTLW022	43.3	14.2	13.9 U	123	5.84	66	17.1	235	17.4	6.21	120	22.8	1.27	88	182	381		500	205	1520
BT023	LW2-BTLW023	45.8	53.5	40.7	212	11.8	130	26.4	449	36.6	13.1	235	62.6	3.68	222	352	675		1040	329	2850
BT024	LW2-BTLW024	10.4	9.14	6.2 U	158	5.19	78.1	16.6	334	19.8	6.64	160	23.3	0.813	171	573	915		1460	240	3410
BT025	LW2-BTLW025	8.83	8.93	5.63 U	106	3.13	45.6	8.78	203	11.4	4.26	147	14.3	0.686	100	287	470		775	134	1790
BT026	LW2-BTLW026	102	23	44.8	308 J	9.01 J	64.1 J	19.2 J	257 J	22 J	9.33 J	169	42.2	5.15 U	143	126	971		394	950	1840
BT0271	LW2-BTLW027-1	9.89	14.2	6.57	544	2.04 J	25	7.06	112	7.9	8.23	223	11.4	5.91 U	56.5	76.7	417		229	724	534
BT0272	LW2-BTLW027-2				255 J	1.17 J	17.9 J	3.87 J	77.8 J	4.52 J	4.61 J	185 J	10.9 J	1.09 UJ	41 J	51.1 J	278 J		143 J	526 J	409 J
BT028	LW2-BTLW028	1520	156	639 U	20100	863	9870	1950	55600	3410	716	359	2220	10.5 J	20100	51800	65800		164000	14700	211000
BT029	LW2-BTLW029	7.31	11.8	5.44 U	75.9	2.1	20.8	5.28	95.3	5.81	3.5	113	9.26	0.457 J	53.5	63.3	139		171	184	432
BT030	LW2-BTLW030					2.03 J	38.2 J	4.08 J	173 J	7.25 J	4.71 J	272 J	16.9 J	1.21 UJ	107	148 J	280 J		303 J		706 J
BT031	LW2-BTLW031	7.45	9.41	4.96 U	123	2.17	22.4	5.75	108	6.63	4.89	142	8.62	0.417 J	46.1	64.9	180		179	271	456
BT032	LW2-BTLW032	369	28.1	222	9210	67.9	3670	178	7440	399	218	522	569	10.3 U	4270	4100	9600		13600	8540	15600
BT033	LW2-BTLW033	11.6	7.04	4.48	413	1.5	48.7	8.73	269	9.26	11	159	20.7	0.745 U	106	153	494		401	674	1040
MIT001	LW2-MIT001	26.9	1.89	7.57	148	3.04	27.4	6.14	125	8.96	5.99	96.3	8.41	0.382 U	52.1	53.9	156		181	171	536
MIT002	LW2-MIT002	8.94	0.872	3.59	83.4	0.988	14.7	3.46	70.1	4.97	3.11	40.4	10.3	0.393 U	112	68.7	127		195	84.2	755
MIT356	LW2-MIT003/005/006	34.3	2.77	10.7	159	4.63	40.3	9.48	186	13.7	6.82	223	12.3	0.484 U	59.2	73.5	179		236	167	538
MIT004	LW2-MIT004	33.4	2.55	13.7	1290	3.32	40.5	12.8	162	14.2	71.2	139	27.9	0.887 U	81.8	55.3	1440		282	5150	505
MIT007	LW2-MIT007	24.7	3.3 J	14.6	96.2	3.57	30.8	7.47	170	11.6	4.04	97	10.9	3.4 U	60.2	33.5	74.5		90.6	88.8	225
MIT810	LW2-MIT008/010	28.2	3.02	12.9	145	4.79	46.7	10.7	225	15.6	5.83	220	13.2	0.506 U	75.3	97.4	204		306	103	731
MIT009	LW2-MIT009	19.6	1.99	9.86	207	3.23	79.6	9.65	259	15.7	6.33	221	24.5	0.567 U	156	115	346		396	179	948
T01	LW2-T01 SC	19.2	3.35	7.93 U	84.6	3.02	29.2	7.93	162	10.4	3.57	729	13.9	3.11 U	203	75.1	152		216	37.3	1400
T01	LW2-T01-NOAA SC	4.38 J	3.6 U	5.21 U	23.7	3.49 U	11.9	4.12 J	53.3	3.3 U	2.02 U	455	9.2 U	6.02 U	100	56.4	89		155	36.7	675
T01	LW2-T01-REP1	4.09	0.556 U	1.51	49.2	1.97	17.5	3.36	90.4	5.65	2	8.61	1.56	0.614 U	14.8	65.6	108		158	48.1	820
T01	LW2-T01-REP2	4.98	0.662	1.73	52.7	1.47	16.7	3.16	89.5	5.59	1.95	8.94	1.18	0.616 U	11.5	62.1	127		178	49.5	1110
T01	LW2-T01-REP3	5.8	0.602	1.85	54.7	1.78	19.8	3.93	101	6.58	2.4	8.62	1.37	0.553 U	12.8	65.1	113		166	45.4	864
T02	LW2-T02 SC	27.9	4.69	15.6 U	124	4.99 U	59.3	16.7	277	20.5	6.77	179	24.1	4.93 U	278	192	280		452	62.8	1800
T02	LW2-T02-NOAA SC	5.17	3.57 U	5.4	74.8	2.76 U	9.54	4.14 U	42.2	2.77 U	3.97	332	5.78 J	4.76 U	67.2	356	534		789	67.3	1170
T02	LW2-T02-REP1	6.51	0.604	2.04	52.7	3.16	30.1	5.66	154	9.71	2.5	5.82	1.71	0.569 U	15.1	148	229		377	61.7	1950
T02	LW2-T02-REP2	7.28	0.711	2.42	56.6	3.05	31.4	6.2	157	10.2	2.75	8.46	2.28	0.584 U	18.6	127	204		348	56.3	1610
T02	LW2-T02-REP3	6.41	0.656	1.93	55.3	3.18	33.4	6.71	172	11.4	2.53	9.25	2.45	0.617 U	16.7	134	274		454	68.6	2470
T03	LW2-T03 SC	48.7	4.04 U	24.8	371	5.83 U	146	17.6	491	29.5	10.4	109	31.5	3.42 U	395	226	453		647	136	1590
T03	LW2-T03-REP1	21.4	1.07	4.47	238	5.99	101	10.4	346	19.6	6.39	5.99	4.05	0.584 U	32.8	135	319		403	208	1070
T03	LW2-T03-REP2	26.2	1.26	5.17	196	4.68	66.5	9.83	254	17	5.36	5.02	3.3	0.569 U	27.2	98.4	300		297	115	915
T03	LW2-T03-REP3	24.1	1.22	4.74	214	6.43	87.3	11.7	341	21.1	5.64	5.61	3.71	0.596 U	31.3	136	380		424	158	1470
T04	LW2-T04 SC	8.67	1.47 U	3.65	30.6	1.2 U	9.13	2.57	40.4	3.54	1.25	334	2.6	1.15 U	17.3	14.6	24.6		39.5	5.23	129
T04	LW2-T04-REP1	7.43	0.598	1.69	31.4	0.726	6.97	1.51	30.6	2.49	1.2	46.8	1.28 U	0.558 U	4.41	8.98	16.2		28.6	5.53	99.6
T04	LW2-T04-REP2	7.81	0.649	1.92	34.1	0.823 U	7.57	1.61	32.9	2.66	1.21	24.7	1.05	0.58 U	4.85	10.6	21.9		34.5	7.48	158
T04	LW2-T04-REP3	7.68	0.586	1.8	33.3	0.805 U	6.86	1.56	29.8	2.48	1.19	29.7	0.853 J	0.555 U	4.31	9.8	18.7		32	5.89	122
02R001	LWG0102R001TSCRWBC00	2.19 U	1.85 U	4.53 J	12.6	2.4 U	4.71	3.8 U	5.48 J	2.51 U	4.84 U	23.2 U	5.37 U	3.15 U	173	8.59	23.4 J		58.2 J	7.8	2250 J
02R001	LWG0102R001TSSPWBC00	37.8	3.4 U	4.87 U	1180	4.41 U	147	6.99 U	303	25.8	34.6	42.6 U	13.1 J	5.78 U	9.07	677	2640		3870 J	427	32400 J
03R003	LWG0103R003TSCRWBC00	3.06	1.84 U	2.64 U	7.56 J	2.39 U	3.57 U	3.79 U	8.42	8.41	4.82 U	61.3	6.68 J	3.14 U	235	6.61	8.43		87.1 J	4.65 J	963 J
03R004	LWG0103R004TSCRWBC00	2.38 NJ	1.85 UJ	4.73 NJ	14.1	2.4 U	15.3	3.81 U	28	21.1	4.85 U	28.9	7.94 J	3.15 U	478	38.7	45.3		363 J	9.59	2030 J
03R004	LWG0103R004TSSPWBC10	209 T	9.48 T	28.1 T	3290 T	89.1 T	1140 T	173 T	4870 T	361 T	166 T	66 T	48 JT	5.55 UT	787 T	5550 T	8680 T		17500 JT	1410 T	51500 JT
03R005	LWG0103R005TSCRWBC00	3.6	1.86 U	4.93 J	17.5 J	2.42 U	11.1 J	3.83 U	22.1 J	10.6	4.88 U	23.4 U	7.24 J	3.17 U	322	16.5	33.8		144 J	8.45	1300 J
03R005	LWG0103R005TSSPWBC00	10.5	3.37 U	4.83 U	605	17.7	292	23.7	1070	99.6	30.9	42.3 U	9.77 U	5.74 U	28	1470	3210		5440 J	488	14800 J
03R014	LWG0103R014TSSPWBC00	19.9	1.82 U	4.29	511	4.66	79.1	12	370	19.9	14.6	175	17.4 J	3.11 U	99.6	443	1190		1600 J	461	10000 J
04R023	LWG0104R023TSSPWBC10	26.1	4.23	16.1 J	733	21.9	267	50.7	1300	90.4	32.8	190	24.3 J	2.73 U	297	1760	2900		4930 J	947	16900 J
04R023	LWG0104R023TSSPWBC20				559	7.2 J	130	22.8	634	40.3	26.8	207	14.7 J	3.15 U	161	777	1440		2480 J	760	9380 J
04R023	LWG0104R023TSSPWBC30				515	6.88	110	20.1	508	34.9	23.7	189	18.8 J	3.17 U	210	611	1450		2050 J	643	9540 J
05R006	LWG0105R006TSSPWBC00	4.96 T	1.72 UT	2.48 T	400 T	3.94 JT	59.9 T	10.9 T	270 T	18.4 T	18.1 T	207 T	7.53 JT	3.15 UT	85.9 JT	451 T	892 T		1340 JT	730 T	5050 JT
06R002	LWG0106R002TSSPWBC10				749 J	1.46 J	35.3 J	5.73 J	139 J	9.51 J	73.8 J	173 J	5.16 J	0.629 U	36.3	167	762		583 J	2260	1390 J
06R002	LWG0106R002TSSPWBC20	10.5	1.86 U	2.67 U	1980	2.42 U	39.1	7.26 J	115	11.3	261	39.1	10.5 J	3.17 U	19.2	145	1270		651 J	5150	1840 J
06R004	LWG0106R004TSCRWBC10	4.04 U	3.41 U	4.89 U	12.8 U	4.43 U	6.6 U	7.02 U	9.61 U	4.64 U	8.93 U	42.8 U	9.9 U	5.81 U	46.8	8.48 U	6.87 U		25.6 J	7.17 U	209 J
06R004	LWG0106R004TSCRWBC20	4 U	3.38 U	4.84 U	12.7 U	4.38 U	6.54 U	6.95 U	9.51 U	4.59 U	8.85 U	42.4 U	9.8 U	5.75 U	15.1	8.4 U	6.81 U		15.5 U	7.1 U	25.1 J
06R004	LWG0106R004TSSPWBC00	6.51	1.85 U	2.66 U	295	3.2	52.4	4.77 J	178	14.2	14.5	33.7	5.38 U	3.16 U	20.1 J	304	641		1020 J	345	2720 J
06R024	LWG0106R024TSSPWBC00				87.2 JT	1.99 UJT	11 JT	3.16 UJT	47.3 JT	2.56 JT	4.73 JT	87.5 JT	4.46 UJT	2.62 UJT	23.1 T	71.6 T	137 T		202 JT	168 T	985 JT
06R031	LWG0106R031TSCRWBC00	10600	15.7	862	10200	2.43 U	541	7.88 J	3070	23.8	386	118 J	30.3 J	3.19 U	171	13.1	537		91.9 J	534	181 J
07R006	LWG0107R006TSCRWBC00	3.98 U	3.36 U	4.81 U	12.6 U	4.36 U	6.5 U	6.91 U	9.45 U	4.56 U	8.79 U	42.2 U	9.75 U	5.72 U	44.1	10.3	13		38.4 J	7.05 U	383 J
07R006	LWG0107R006TSSPWBC00	4.35	1.87 U	2.68 U	158	2.43 U	20	3.85 U	49.8	4.43 J	9.33	23.5 U	5.43 U	3.19 U	27.6	502	952		1850 J	234	6110 J
07R009	LWG0107R009TSSPWBC10	7.93 J	1.94 J	3.23 J	705 J	2.23 J	43.7 J	7.93 J	193 J	11.8 J	45.5 J	275 J	10.3 J	0.628 UJ	70.4	336	824		1010 J	1810	3550 J
07R009	LWG0107R009TSSPWBC20	9.91 J	1.96	7.52 J	650	2.85	43.1	7.15	169	12.5	53.4	189	8.46 J	3.21 U	59.3	305	794		1000 J	1580	2830 J
07R009	LWG0107R009TSSPWBC30	7.96	2.02	7.92 J	452	2.68	68.8	8.41	193	14.6	22.2	170	8.55 J	3.15 U	56.1	382	880		1220 J	867	4770 J
08R003	LWG0108R003TSCRWBC00	3.97 U	3.36 U	4.81 U	12.6 U	4.35 U	6.49 U	6.9 U	9.45 U	4.56 U	8.79 U	42.1 U	9.74 U	5.72 U	33.7	8.34 U	6.76 U		15.4 U	7.05 U	113 J
08R003	LWG0108R003TSSPWBC00	10.3	1.86 U	2.67 U	2530	2.42 U	31.3	5.01	107	8.57	42.8	23.4 U	5.41 U	3.17 U	9.55	95.4	1480		467 J	2050	1420 J
08R010	LWG0108R010TSSPWBC10	20.5 J	5.86 J	15.3 J	372	7.26	31.4	7.75	116	10.1	12.9	149	12.8 J	3.84 U	37.2	196	775		621 J	785	2600 J
08R010	LWG0108R010TSSPWBC20	9.25	1.88 U	2.87	447	2.44 U	32.8	6.64 J	125	9.45	18	128	5.47 U	3.21 U	35.5	202	643		602 J	877	2050 J

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	PCB021_033	38444-85-8	55720-44-0	55702-45-9	55712-37-3	PCB026_029	38444-76-7	7012-37-5	16606-02-3	38444-77-8	38444-86-9	37680-68-5	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1	PCB040_041_071	36559-22-5	70362-46-8
	Chemical Name	PCB021 & 033	PCB022	PCB023	PCB024	PCB025	PCB026 & 029	PCB027	PCB028	PCB031	PCB032	PCB033	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039	PCB040 & 041 & 071	PCB042	PCB043
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																				
BT014	LW2-BTLW014	221	180	0.477 J	3.7	56.7	123	39.1		550	109		5.27	13.3	3.37	155	0.577 U	8.42	690	359	52
BT015	LW2-BTLW015	210	189	0.549 J	3.14	60.7	119	34.7		564	101		6.75	13.7	3.78	183	0.588 U	8.71	617	313	47.4
BT016	LW2-BTLW016	2890	214	31.8	0.723 U	3850	3030	19000		1540	8420		92.1	12.7	3.59 U	169	119	60.9	24700	3550	3610
BT017	LW2-BTLW017	28100	18800	43.7	123	2460	6250	1260		73200	11400		200	143	9.65 U	7450	84.9	816	67800	33400	5300
BT018	LW2-BTLW018	811	728	2.56	8.89	338	593	82.9		2340	445		30.6	34.1	6.64	385	0.589 U	31.3	2690	1310	217
BT019	LW2-BTLW019	216	162	0.422 J	2.91 J	44.3	79.2 J	42.4 J		404	101 J		4.29 J	7.15	2.37	115	0.583 U	5.98	503	236	42.1
BT020	LW2-BTLW020	535 J	467 J	0.802 J	4.42 J	228 J	379 J	48 J		1310 J	235 J		11.9 J	23.4 J	3.99 J	292	2.5 J	20 J	1300	713	98.5
BT021	LW2-BTLW021	1240	869	2.01	14.9	188	417	101		2570	521		31.4	27.3	3.67	526	4.33	43.7	2590	1350	216
BT022	LW2-BTLW022	651	268	0.872	7.48	136	195	73.1		914	298		27.7	19.8	4.37	237	6.29	39.1	1980	1260	109
BT023	LW2-BTLW023	1240	621	2.82	14.9	215	387	114		2070	496		48.8	41.6	7.77	457	0.593 U	42.4	2700	2060	254
BT024	LW2-BTLW024	1300	885	3.42	26.3	225	454	137		2350	687		45.5	25.6	2.66	517	7.48	49.3	3250	1960	263
BT025	LW2-BTLW025	680	483	1.56	10.4	124	254	67.2		1330	320		18.9	16	2.77	297	3.19	23.6	1550	831	124
BT026	LW2-BTLW026	616	247	5.4 U	6.22	284	258	196		863	846		11 U	17.1	2.21 J	219	8.12	18.4	4070	1050	135
BT0271	LW2-BTLW027-1	193	126	6.2 U	3.14 J	79.5	113	84.3		380	154		4.57 J	10.1	3.85 J	96.2	2.41 J	8.35	661	251	31.8
BT0272	LW2-BTLW027-2	167 J	105 J	0.826 UJ	1.93 J	70.7 J	94.5 J	64.3 J		303 J	118 J		3.62 J	8.75 J	5.31 J	78.5	1.21 J	8.05 J	557	204	24.4
BT028	LW2-BTLW028	113000	74500	223	1660	12900	33700	8330		196000	41400		1380	1620	13.6 U	42000	161	1600	112000	55600	9150
BT029	LW2-BTLW029	154	98.4	0.355 J	3.67	47.5	58.3	46.6		258	120		3.36	7.62	2.05	108	1.58	5.63	677	263	34.2
BT030	LW2-BTLW030	335 J	293 J	0.77 UJ	4.31 J	77.1 J	117 J	109 J		512 J	142 J		4.19 J	9.66 J	1.76 J	219	1.16 J	10.9 J	1110 J	730 J	72.2 J
BT031	LW2-BTLW031	164	118	0.413 J	3.26	46.2	75.9	43.2		316	108		3.79	6.63	2.56	77.8	0.555 J	4.49	429	195	32.1
BT032	LW2-BTLW032	6450	4560	15	135	2560	4320	1880		14900	6700		89.2	120	9.65 U	2640	8.69 J	72.5	8850	3260	356
BT033	LW2-BTLW033	374	276	1.02	5.22	101	175	108		747	257		5.89	10.5	2.37	155	0.58 U	6.4	713	319	53
MIT001	LW2-MIT001	88.4	83.2	0.233 J	2.54	37.7	78.4	36.2		318	96.4		2.94	4.48	1.05 U	86.6	0.612 U	0.292 U	481	257	51
MIT002	LW2-MIT002	154	129	0.413 U	3.26	46	92.2	35.2		534	101		2.03	8.63	0.528 U	164	0.306 U	3.43	384	212	38.1
MIT356	LW2-MIT003/005/006	151	124	0.413 U	3.69	48.3	90.8	33.6		388	111		3.39	6.44	2.52	76	0.444 U	0.37 U	355	191	41.2
MIT004	LW2-MIT004	220	56.4	1.84	0.847 U	243	214	731		260	498		5.99	4.35	0.834 U	38.2	0.69 U	4.34	1390	296	241
MIT007	LW2-MIT007	62.1	42.7	3.57 U	1.83 J	20	31.1	16.9		165	50.7		1.14 J	4 U	1.12 U	30.9	2.65 U	1.59 U	150	62.1	7.74 U
MIT810	LW2-MIT008/010	256	201	0.592	3.8	49.4	109	29.7		587	129		3.68	7.88	2.17	116	0.423 U	4.71	339	187	35.3
MIT009	LW2-MIT009	352	281	0.675	6.11	104	187	44		881	225		3.9	11.2	1.61	176	0.442 U	4.2	509	236	26.1
T01	LW2-T01 SC	285	225	0.67 U	3.6	51.9	106	18.3		941	256		3.17	14.5	5.3	377	2.42 U	4.35 U	480	229	24.3
T01	LW2-T01-NOAA SC	172	155	6.32 U	1.83 J	35.3	86.8	21.7		461	94.9		1.45 U	6.8 U	1.73 U	226	1.47 U	3.53 J	550	196	22.1
T01	LW2-T01-REP1	230	128	0.558	2.78	35.7	92.7	15.7		487	78.7		1.71	0.74 U	0.578 U	50.6	2.37	5.53	454	178	30.9
T01	LW2-T01-REP2	209	152	0.735	3.51	44.1	121	16.8		592	113		2.53	0.743 U	0.58 U	46.3	1.88 U	8.21	720	295	44.8
T01	LW2-T01-REP3	228	132	0.513	2.95	35.7	94.2	15.5		521	82.7		1.8	0.667 U	0.52 U	41	1.01 U	5.48	386	153	26.8
T02	LW2-T02 SC	453	413	1.71 U	8.37	86.6	200	46.7		1040	238		3.75 U	13.2	1.01 U	370	1.05 U	7.58	823	424	45.9
T02	LW2-T02-NOAA SC	113	280	5 U	6.02	59.7	91.9	50.5		576	289		1.81 U	4.76	1.37 U	121	3.71 U	14.1 U	1150	783	63.9
T02	LW2-T02-REP1	440	284	1.26	9.25	64.4	199	42.6		946	273		4.43	0.686 U	0.535 U	56.9	2.43	12	1240	567	65.2
T02	LW2-T02-REP2	382	239	1.14	8.47	55.9	180	37		805	235		3.91	0.704 U	0.55 U	57.2	2.29	11.6	1050	452	64.7
T02	LW2-T02-REP3	535	315	1.53	8.58	78.7	270	48.9		1260	312		5.35	0.744 U	0.58 U	66	3.27	16	1410	610	95.1
T03	LW2-T03 SC	353	322	0.966 U	8.37	114	231	63.8		1070	294		2.98	9.36	3.22 U	336	0.96 U	5.16	531	269	19.7
T03	LW2-T03-REP1	300	195	0.495	6.38	75.7	160	50.8		652	233		2.33	0.704 U	0.55 U	57.3	1.25	4.12	547	231	23.7
T03	LW2-T03-REP2	237	148	0.432 J	4.51	73.4	147	35.4		582	169		2.16	0.687 U	0.536 U	49.8	0.623	3.11	456	143	17.9
T03	LW2-T03-REP3	367	243	0.787 U	6.11	99.6	208	51.7		869	242		3.45	0.719 U	0.561 U	92.8	1.25 U	5.48	722	273	29
T04	LW2-T04 SC	21.8	20.6	1.21 U	0.462 U	6.95	15.5	2.93		81	14.9		0.421 J	2.51	1.63	26.1	0.223 U	0.796 J	44.4	36.2	2.52
T04	LW2-T04-REP1	15.7	11.9	0.0965 U	0.567	4.62	12.3	2.32		56.6	10.9		0.333 J	0.107 U	0.0948 U	5.34	0.206 U	0.784	45.6	20.4	3.84
T04	LW2-T04-REP2	23.3	15.6	0.08 J	0.579	6.4	19.9	3.14		77.7	15.6		0.527	0.699 U	0.0669 U	6.98	0.225 U	1.18	90.8	40.9	6.87
T04	LW2-T04-REP3	18.7	12.9	0.103 J	0.503	5.39	14.8	2.66		68.7	11.9		0.489	0.0673 U	0.061 J	6.56	0.218 U	0.822	66.2	33.3	5.33
02R001	LWG0102R001TSCRWBC00	66.2 J	42.7	3.9 U	5.04 U	15.4	61.9 J	7.04		219	32.7		3.19 U	2.35 U	3.94 U	818	2.93 U	5.84	108 J	79.7	17.6
02R001	LWG0102R001TSSPWBC00	1300 J	1320	7.16 U	46.3	172	1380 J	624		2780	4190		56.1	4.32 U	7.24 U	816	93.5	294	35200 J	15300	4620
03R003	LWG0103R003TSCRWBC00	30.5 J	4.2 U	3.88 U	5.02 U	3.08 U	92.9 J	3.79 U		112	4.87 J		3.18 U	2.34 U	3.93 U	448	2.92 U	3.85 U	12.1 J	10.4	7.48 U
03R004	LWG0103R004TSCRWBC00	93.8 J	51.7	3.9 U	5.04 U	30.1	219 J	10.2		389	28.6		4.07	8.65	3.95 U	905	2.94 U	3.87 U	81.1 J	69.6	7.6
03R004	LWG0103R004TSSPWBC10	12400 JT	8770 T	36.2 T	290 T	1560 T	6340 JT	1420 T		24700 T	5860 T		108 T	4.14 UT	6.95 UT	2240 T	12.5 JT	211 T	14900 JT	8110 T	2010 T
03R005	LWG0103R005TSCRWBC00	98.2 J	42.3	3.93 U	5.08 U	26.2	132 J	7.33		324	19.4		3.41	4.08 J	3.98 U	546	2.96 U	3.9 U	60.7 J	50	17.1
03R005	LWG0103R005TSSPWBC00	4010 J	2190	16.5	91.5	349	2040 J	524		5490	2250		46	4.28 U	7.19 U	162	9.18 J	66.1	5640 J	2910	766
03R014	LWG0103R014TSSBWBC00	1290 J	1390	3.85 U	25.5	341	1060 J	237		3810	1070		21.3	51.9	825	469	26.4	129	11500 J	7250	993
04R023	LWG0104R023TSSBWBC10	4320 J	3030	12.8	68.3	698	2190 J	439		8850	1940		39.1	2.04 U	3.42 U	740	15.7	3.36 U	7540 J	4620	716
04R023	LWG0104R023TSSBWBC20	1930 J	1700	6.35	41.9	315	1060 J	260		4480	1060		21.4	22	11.5	442	4.61	40.6	3680 J	2050	400
04R023	LWG0104R023TSSBWBC30	1390 J	1270	5.09	31.1	268	960 J	291		3330	1200		28.5	28.9	382	494	15.1	77.8	6570 J	3840	826
05R006	LWG0105R006TSSBWBC00	1020 JT	773 T	4.11 T	18.9 T	203 T	610 JT	162 T		2240 T	580 T		15.2 T	2.2 UT	3.66 UT	257 T	6.34 JT	33.9 T	2740 JT	1830 T	311 T
06R002	LWG0106R002TSSPWBC10	301 J	251	1.31	7	104	229 J	339		837	406		8.68	0.487	0.825 J	72.4	2.49	5.82	755 J	262	79.6
06R002	LWG0106R002TSSPWBC20	367 J	239	3.93 U	8.9	122	266 J	637		872	640		16.1	2.37 U	3.98 U	36	16.6	10.7	1510 J	397	224
06R004	LWG0106R004TSCRWBC10	11.9 U	7.78 U	7.19 U	9.3 U	5.7 U	29.3 J	7.02 U		26.4	7.39 U		5.88 U	4.34 U	7.28 U	83.7	5.41 U	7.14 U	18.1 U	11.2 U	13.9 U
06R004	LWG0106R004TSCRWBC20	11.7 U	7.7 U	7.12 U	9.21 U	5.65 U	16.7 U	6.95 U		11.2 U	7.32 U		5.83 U	4.3 U	7.21 U	31.7	5.36 U	7.07 U	17.9 U	11.1 U	13.7 U
06R004	LWG0106R004TSSPWBC00	493 J	360	3.91 U	14	61.5	314 J	126		844	466		11.7	2.36 U	3.96 U	46.3	2.94 U	13	1300 J	666	145
06R024	LWG0106R024TSSBWBC00	148 JT	183 T	3.24 UT	4.18 UT	55.2 T	132 JT	32 T		482 T	100 T		4.25 T	1.95 UT	3.28 UT	60.3 T	3.12 T	8.43 JT	870 JT	670 T	57.2 T
06R031	LWG0106R031TSCRWBC00	6.51 U	12.1	3.95 U	5.1 U	38.2	94.7 J	159		133	260		5.96	2.38 U	4 U	56.4	2.97 U	3.92 U	28.5 J	11.6	7.61 U
07R006	LWG0107R006TSCRWBC00	28.5 J	18.7	7.08 U	9.15 U	5.66	22.4 J	6.91 U		84	12.3		5.79 U	4.27 U	7.16 U	161	5.33 U	7.03 U	96.1 J	71	13.6 U
07R006	LWG0107R006TSSPWBC00	274 J	135	3.95 U	20.6	40.2	200 J	211		266	1570		11.9	2.38 U	4 U	186	31.3	119	14600 J	7050	1250
07R009	LWG0107R009TSSBWBC10	601 J	562	1.83	15.8	162	412 J	234		1590	563		11.1	1.01 U	0.929 U	190	2.38 J	17.3	2050 J	1140	179
07R009	LWG0107R009TSSBWBC20	511 J	419	3.97 U	13.2	148	350 J	231		1290	478		10.6	2.4 U	4.02 U	176	4.93 J	30.3	2620 J	1680	366
07R009	LWG0107R009TSSBWBC30	944 J	719	3.9 U	14.4	2520	5210 J	181		2800	583		19.1	2.35 U	3.95 U	219	3.5 J	36.5	3400 J	2420	375
08R003	LWG0108R003TSCRWBC00	11.7 U	7.65 U	7.07 U	9.14 U	5.61 U	16.6 U	6.9 U		17.7	7.27 U		5.79 U	4.27 U	7.16 U	78.3	5.32 U	7.02 U	17.8 U	11 U	13.6 U
08R003	LWG0108R003TSSPWBC00	247 J	157	3.93 U	5.34	69.9	183 J	185		623	589		6.65	2.37 U	3.98 U	18.1	3.17	4.62	834 J	277	57.8
08R010	LWG0108R010TSSBWBC10	425 J	343	3.97 U	7.04	163	362 J	144		1070	346		7.76	2.39 U	4.02 U	80.4	10	3.94 U	2660 J	987	405
08R010	LWG0108R010TSSBWBC20	391 J	354	3.97 U	10.7	128	280 J	142		970	329		6.89	2.4 U	4.02 U	120	2.99 U	11	1410 J	720	108

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	41464-39-5	PCB044_047_065	PCB045_051	41464-47-5	70362-47-9	41464-40-8	PCB049_069	PCB050_053	35693-99-3	15968-05-5	74338-24-2	41464-43-1	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070_074_	74472-34-7	52663-58-8
	Chemical Name	PCB044	PCB044 & 047 & 065	PCB045 & 051	PCB046	PCB048	PCB049	PCB049 & 069	PCB050 & 053	PCB052	PCB054	PCB055	PCB056	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070 & 074 & 076	PCB063	PCB064
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																			
BT014	LW2-BTLW014		1730	293	55.9	225		1220	294	1980	44.6	3.17 U	617	8.66	8.01	140	245	2660	65.5	650
BT015	LW2-BTLW015		1500	242	47.5	205		1070	251	1660	40.5	1.95 U	585	7.85	8.96	125	212	2530	69	556
BT016	LW2-BTLW016		262000	100000	3870	1870		75300	86900	55200	35600	10.6 U	588	1080	10.5 U	11900	189	5140	614	1060
BT017	LW2-BTLW017		120000	22000	6500	30700		78500	18100	145000	207	953	54400	381	197	9610	32800	202000	5240	60900
BT018	LW2-BTLW018		5580	799	209	900		4010	719	6520	45.7	2.02 U	2470	35.5	24.8	461	978	8590	277	2470
BT019	LW2-BTLW019		1480	270	37.9	157		884	257	1320	76.4	1.93 U	439	7.58	6.26	109	186	1890	51	408
BT020	LW2-BTLW020		2770	418	119	416		1840	367	2990	28.7	30.5	1150	14.9	12	231	414	4380	111	1150
BT021	LW2-BTLW021		4950	842	225	1080		3440	716	5390	38.4	44.7	2410	24.5	22.1	452	816	9700	251	2330
BT022	LW2-BTLW022		7420	1120	165	428		6280	987	10100	92.9	1.92 U	1450	14.3	81.8	461	242	9750	246	1760
BT023	LW2-BTLW023		13000	1000	227	833		13200	1200	25900	71.4	2.38 U	2650	24.3	152	820	276	22200	555	3310
BT024	LW2-BTLW024		8640	1020	271	1140		6700	882	12400	35.1	38.9	2730	24.7	72.6	675	641	15900	392	3510
BT025	LW2-BTLW025		3300	557	135	583		2440	474	3730	26.6	27.1	1260	14	21.3	290	407	5510	148	1320
BT026	LW2-BTLW026		26500	7950	310	371		11800	4460	11400	728	35.8	910	19.6	36.8	702	281	7100	284	1410
BT0271	LW2-BTLW027-1		2680	837	64.8	144		2090	975	2930	192	8.05	368	7.31	8.65	121	151	1920	56.2	411
BT0272	LW2-BTLW027-2		2300	625	40.9	117		1760	628	2540	179	16.6	325	6.63	7.7	109	125	1680	46.9	320
BT028	LW2-BTLW028		241000	38300	11500	51100		157000	31700	266000	427	2550	97800	861	463	19200	41600	369000	8570	119000
BT029	LW2-BTLW029		2140	679	63.2	122		1280	558	2020	76.6	7.74	381	4.4	10	137	121	1680	44.5	466
BT030	LW2-BTLW030		3560 J	596 J	74.6 J	325 J		1900 J	680 J	3250 J	80.4 J	28.8 J	841 J	13.3 J	14.6 J	227 J	285 J	3740 J	89.3 J	786 J
BT031	LW2-BTLW031		1480	338	39.7	122		970	417	1570	86.8	14.8	320	3.76	5.81	88.4	135	1550	42.7	335
BT032	LW2-BTLW032		42600	15200	1070	2040		24500	12900	20800	1690	145	3260	40.9	40.1	1430	1260	14800	368	4130
BT033	LW2-BTLW033		2190	546	65	234		1370	623	1920	150	19.8	392	8.89	5.17	138	206	1690	51.3	497
MIT001	LW2-MIT001		1720	257	33	199		908	268	1550	56.3	0.985 U	589	7.1	3.8	124	327	2060	62.9	614
MIT002	LW2-MIT002		905	134	29.6	146		660	123	1310	14.9	1.01 U	255	4.72	3.67	78.1	157	1490	37	446
MIT356	LW2-MIT003/005/006		1440	243	28.1	176		808	279	1360	48.6	1.25 U	383	5.52	4.65	94.5	198	1560	50.9	440
MIT004	LW2-MIT004		26100	5380	163	156		5830	4080	3850	1900	2.29 U	81.4	99.3	1.95 U	863	46.9	683	72.7	164
MIT007	LW2-MIT007		1230	180	11.1	38.8		583	162	608	27.4	8.78 U	64.8	1.74 U	3.01 U	44.1	33.8	461	16.1	126
MIT810	LW2-MIT008/010		1090	170	20.1	170		673	166	1040	23.2	1.31 U	368	4.21 U	3.16	79.3	194	1510	39.3	400
MIT009	LW2-MIT009		2330	439	20.7	144		1400	243	1150	35	1.46 U	339	3.77	2.87	93.6	155	1440	34	411
T01	LW2-T01 SC		1370	97.5	17.5	147		884	68.1	1190	5.01	18.7	358	6.35	2.17 J	93.6	338	2400	79.4	593
T01	LW2-T01-NOAA SC		1090	106	29.3 U	129		1030	100	1260	8.59	15.5 U	237	4.07 J	2.8 J	130	191	1540	41.7	636
T01	LW2-T01-REP1		1670	153	14.6	175		848	95.8	1440	10.8	20.1	71.7	14.8	1.47 U	147	313	2110	70.8	467
T01	LW2-T01-REP2		2020	127	18.5	263		1300	111	2270	8.5	35.4	208	11.2	5.47	141	592	3470	114	788
T01	LW2-T01-REP3		1080	91.4	12.3	160		651	68.2	1090	7.61	23.7	68.8	6.05	2.82	88.5	285	1890	65.4	447
T02	LW2-T02 SC		1730	221	58.5	266		1050	180	2000	4.56	30.6	608	7.46	3.21 U	168	568	2800	92.3	804
T02	LW2-T02-NOAA SC		3100	422	70.7	536		1940	273	3010	5.32	24.2	623	3.78	2.72 J	223	455	2350	72.9	1100
T02	LW2-T02-REP1		2630	293	59.3	439		1640	221	2990	5.81	32.2	233	12	5.22	241	927	4230	148	1250
T02	LW2-T02-REP2		2270	268	50.2	373		1440	203	2590	5.87	34.3	212	10.1	5.4	211	711	3570	117	1040
T02	LW2-T02-REP3		3170	334	60.3	547		2050	271	3670	6.72	50.8	265	17.4	8.11	298	978	5100	167	1450
T03	LW2-T03 SC		2810	479	46.5	154		1770	338	1580	38.9	13.4	335	4.45	4.2	105	258	1710	46.2	389
T03	LW2-T03-REP1		2480	521	31.9	124		1460	389	1660	57.4	20.8	120	3.99	1.28 U	100	249	1700	47.1	425
T03	LW2-T03-REP2		2800	562	19.9	103		1560	318	1350	40.1	18.9	93.5	3.82	1.25 U	82.5	184	1440	43.5	286
T03	LW2-T03-REP3		3660	789	32.5	172		2230	512	2560	81.6	29.7	206	6.6	5.4	129	348	2610	75.3	541
T04	LW2-T04 SC		166	12.6	3.01	19.6		126	12.2	241	0.54 U	2.77	46.7	0.587 J	0.514 J	11.6	45	370	11.2	73.9
T04	LW2-T04-REP1		156	11.2	1.78	17.4		103	9.98	209	0.744	3.74	14.5	0.77	0.671	11.8	43.5	342	10.6	65.9
T04	LW2-T04-REP2		296	20.4	3.45	34.8		206	19.3	403	1.64	6.83	26.8	1.28	1.34 U	21	86	610	21.6	125
T04	LW2-T04-REP3		215	14.9	2.64	26.3		150	13.5	275	0.622	6.25	18.2	1.09	0.91	16.8	63.7	463	15	96.4
02R001	LWG0102R001TSCRWBC00		425 J	43.7 J	12.6	46.3		293 J	44.4 J	453	4.34 U	4.83 U	185	7.55	8.49	28.7 J	1230	5360 J	319	120
02R001	LWG0102R001TSSPWBC00		115000 J	5260 J	448	11100		99300 J	1570 J	153000	134	8.88 U	5580	251	108	8600 J	40000	126000 J	6450	60900
03R003	LWG0103R003TSCRWBC00		144 J	11.8 U	5.11 U	8.51		45.6 J	11.9 U	172	4.32 U	4.82 U	14.4	5.4	5.97 U	10.9 U	172	1440 J	78.7	11.6
03R004	LWG0103R004TSCRWBC00		422 J	29.1 J	7.84	50.9		160 J	27.3 J	352	4.34 U	4.84 U	51	9.9	9.32	31 J	207	2010 J	157	62.7
03R004	LWG0103R004TSSPWBC10		39400 JT	3700 JT	742 T	8660 T		30200 JT	1810 JT	46900 T	93.3 T	8.51 UT	4590 T	228 T	66.9 T	3720 JT	9720 T	50000 JT	2070 T	16800 T
03R005	LWG0103R005TSCRWBC00		519 J	24.4 J	5.94	37.7		216 J	27.2 J	660	4.37 U	4.87 U	50.5	6.87	6.04 U	30.5 J	182	1870 J	102	72.9
03R005	LWG0103R005TSSPWBC00		18700 J	1480 J	217	2680		14800 J	753 J	28400	71.7	8.81 U	949	65.5	30.6	1500 J	2920	19100 J	825	7450
03R014	LWG0103R014TSSPWBC00		34500 J	2550 J	457	4580		25600 J	2060 J	41000	118	58.4	6260	106	60.9	2630 J	10400	50400 J	2030	16100
04R023	LWG0104R023TSSBWBC10		21700 J	2070 J	419	3800		16100 J	1620 J	25700	119	138	3430	122	49.4	1790 J	5240	29200 J	1280	9110
04R023	LWG0104R023TSSBWBC20		11000 J	1020 J	184	1720		7870 J	746 J	13000	97.5	4.84 U	1680	53.6	279	898 J	3280	15700 J	649	4670
04R023	LWG0104R023TSSBWBC30		18900 J	1560 J	285	3320		14600 J	1270 J	22900	99.4	121	1980	77.8	488	1490 J	5720	24000 J	1440	8060
05R006	LWG0105R006TSSBWBC00		9930 JT	876 JT	147 T	1380 T		7270 JT	754 JT	11900 T	128 T	4.49 UT	1350 T	48.3 T	18 T	741 JT	2150 T	13800 JT	597 T	4030 T
06R002	LWG0106R002TSSPWBC10		10300 J	1240 J	42.4	234		3100 J	623 J	3060	621	0.966 U	250	27.4	5.82	383 J	464	2560 J	130	607
06R002	LWG0106R002TSSPWBC20		39800 J	2900 J	49.1	374		8760 J	1010 J	6600	1450	4.87 U	216	68.8	6.04 U	1260 J	730	4130 J	274	945
06R004	LWG0106R004TSCRWBC10		98.2 J	21.9 U	9.46 U	15.1 U		29.7 J	22 U	120	8.01 U	8.92 U	6.56 U	9.02 U	11.1 U	20.2 U	53.4	550 J	32.9	9.56
06R004	LWG0106R004TSCRWBC20		44.5 U	21.6 U	9.36 U	14.9 U		19.6 U	21.7 U	18.3	7.93 U	8.83 U	6.49 U	8.93 U	10.9 U	20 U	7.47	108 J	21.3	9.3 U
06R004	LWG0106R004TSSPWBC00		4310 J	435 J	61.5	555		3060 J	247 J	5050	92.5	4.85 U	474	19.9	9.58	322 J	1250	5450 J	247	1810
06R024	LWG0106R024TSSBWBC00		3600 JT	265 JT	34.4 T	347 T		2540 JT	230 JT	4120 T	27.3 T	4.01 UT	888 T	25.2 T	247 T	275 JT	1020 T	6520 JT	299 T	1370 T
06R031	LWG0106R031TSCRWBC00		332 J	62.9 J	5.19 U	8.28 U		81.4 J	61.5 J	100	17.2	4.9 U	6.43	4.95 U	6.07 U	14.4 J	32.7	329 J	24.8	15
07R006	LWG0107R006TSCRWBC00		286 J	26.3 J	9.31 U	37.6		142 J	21.6 U	214	7.88 U	8.78 U	95.7	8.88 U	10.9 U	19.9 U	239	1550 J	135	79.7
07R006	LWG0107R006TSSPWBC00		38600 J	2050 J	317	4790		30300 J	968 J	47500	65.6	4.9 U	575	47.8	9.7 J	2810 J	15200	33600 J	2110	20400
07R009	LWG0107R009TSSBWBC10		11500 J	1300 J	147	789		6320 J	1090 J	9230	381	2 U	955	32.1	13.6	628 J	1900	9750 J	489	2530
07R009	LWG0107R009TSSBWBC20		11000 J	1170 J	135	1400		7200 J	982 J	9840	329	4.93 U	664	29.6	6.11 U	804 J	2820	11100 J	703	3340
07R009	LWG0107R009TSSBWBC30		13700 J	1040 J	179	1510		13500 J	935 J	19800	165	4.84 U	1220	146	79.7	913 J	1790	12800 J	618	3830
08R003	LWG0108R003TSCRWBC00		79.6 J	21.5 U	9.3 U	14.8 U		26.3 J	21.6 U	62.1	7.87 U	8.77 U	6.45 U	8.87 U	10.9 U	19.9 U	30.8	346 J	34.3	9.23 U
08R003	LWG0108R003TSSPWBC00		7970 J	1110 J	29 J	181		4480 J	465 J	4630	380	4.87 U	166	8.44	9.15	278 J	583	3910 J	179	803
08R010	LWG0108R010TSSBWBC10		29100 J	2410 J	107	699		15700 J	1700 J	15300	189	4.92 U	615	35.7	6.1 U	634 J	1360	8420 J	488	1910
08R010	LWG0108R010TSSBWBC20		9450 J	1100 J	88.6	422		5110 J	836 J	6340	164	4.93 U	647	19.9	13.2	364 J	1080	5650 J	282	1410

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	32598-10-0	73575-53-8	73575-52-7	32598-11-1	41464-42-0	74338-23-1	32690-93-0	32598-13-3	70362-49-1	41464-48-6	33284-52-5	70362-50-4	52663-62-4	PCB083_099	52663-60-2	PCB085_116_117	PCB086_087_097_	38380-02-8	PCB088_091	73575-57-2
	Chemical Name	PCB066	PCB067	PCB068	PCB070	PCB072	PCB073	PCB074	PCB077	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083 & 099	PCB084	PCB085 & 116 & 117	PCB086 & 087 & 097 & 108 & 119 & 125	PCB087	PCB088 & 091	PCB089
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
BT014	LW2-BTLW014	1530	37.6	23.1		34.2	12.9		103	3.05 U	27.2	2.75 U	4.25	255	2330	526	539	1720		603	29.1
BT015	LW2-BTLW015	1460	42.4	24.9		36.6	12.4		123	1.23 U	35	2.13 U	3.83	234	2320	421	499	1680		494	25.4
BT016	LW2-BTLW016	8540	1450	2330		798	8310		118	11.1 U	366	9.67 U	14.9	747	96100	11700	5770	34300		29300	223
BT017	LW2-BTLW017	100000	2350	316		659	22.7 U		5780	39.4 U	845	34.3 U	311	11200	45100	19600	17900	49700		17000	2260
BT018	LW2-BTLW018	5200	178	96.2		113	1.67 U		333	2.07 U	87.1	4.88	11.9	704	5730	1400	1380	4330		1380	110
BT019	LW2-BTLW019	1100	34.6	25.1		27.5	26.3		77.7	1.44 U	30	2.11 U	3.4	217	2200	387	464	1570		518	19.4
BT020	LW2-BTLW020	2580	78.1	34.2		46	10.2		169	1.89 U	46.6	2.25 U	4.67	330	2590	670	636	2100		638	39.3
BT021	LW2-BTLW021	5260	144	50.5		80.7	1.63 U		325	1.49 U	74.6	2.08 U	8.96	674	4500	1210	1200	3830		1180	87.5
BT022	LW2-BTLW022	5620	120	271		378	63.2		255	1.21 U	292	6.29	6.96	1200	17900	3720	2530	11300		4350	102
BT023	LW2-BTLW023	11200	146	355		646	1.69 U		480	2.48 U	420	2.17 U	12.8	2040	24800	7010	3860	18700		4480	178
BT024	LW2-BTLW024	8320	146	188		305	1.63 U		310	2.03 U	318	3.25	14.4	2370	21600	5330	4720	17700		4900	171
BT025	LW2-BTLW025	3130	84.5	57.2		86.6	11.1		180	1.19 U	73.8	1.45	6.48	550	4850	1130	1080	3800		1220	58.8
BT026	LW2-BTLW026	3750	198	454		271	487		239	8.37 U	242	9.2	16.5 U	957	21000	3120	2700	12100		10100	95.1
BT0271	LW2-BTLW027-1	1040	43.1	61.9		54.1	58.7		69.9	9.61 U	43.1	16.7 U	4.7 U	225	3430	567	533	2130		1230	21.8
BT0272	LW2-BTLW027-2	898	39.6	67.4		58.6	56.1		61.5	1.28 U	43.4	2.78	2.46	169	2710	356	390	1580		903	13
BT028	LW2-BTLW028	187000	5630	558		1190	30.5 U		13200	61.7 U	1430	52.3 U	516	15600	71200	31500	24900	81700		23000	2680
BT029	LW2-BTLW029	1070	33.5	44.1		39.6	37.6		112	1.21 U	59.4	0.939	3.49	439	4000	927	788	2930		1270	35.5
BT030	LW2-BTLW030	2120 J	70.9 J	61.4 J		72.1 J	38.6 J		113	2.6 UJ	100 J	2.24 UJ	4.61	432	4810	1040	836	3650		1050	36.5
BT031	LW2-BTLW031	851	27.4	24.9		29.1	27.5		59.6	1.22 U	24.5	2.12 U	2.65	160	1790	359	380	1320		613	15.3
BT032	LW2-BTLW032	8000	477	338		242	713		642	16.7 U	189	9.2 J	41 U	1060	18500	3330	2490	11400		12000	132
BT033	LW2-BTLW033	925	41.5	25.2		25.8	35.1		75	1.21 U	20.4	2.1 U	3.57	173	1680	365	387	1330		579	16.6
MIT001	LW2-MIT001	1590	31.8	15.9		19.4	26.9		83.9	0.95 U	21	1.08 U	5.14 U	123	1670	344	530	1270		397	12.3
MIT002	LW2-MIT002	800	24.1	8.62		15.5	0.869 U		51.8	0.857 U	13	1.11 U	2.34 U	163	1460	353	408	1250		303	11.7
MIT356	LW2-MIT003/005/006	1010	30.7	19		20	24.5		57.5	0.786 U	18.2	1.36 U	2.37 U	75.8	1480	286	356	984		404	7.81
MIT004	LW2-MIT004	837	114	268		83.6	644		20.5	1.7 U	31.7	2.5 U	1.66 U	79.3 U	10100	801	702	3660		2990	12.2
MIT007	LW2-MIT007	293	9.6	21.2		15	26		20	5.53 U	8.49	9.59 U	2.23 U	41.5	1130	98.5	165	557		356	1.91 U
MIT810	LW2-MIT008/010	883	27.3	12.4		12.9	14.1		54.3	0.869 U	14.1	1.43 U	2.88 U	87.7	1060	205	270	790		299	7.5
MIT009	LW2-MIT009	788	31	19.3		19	23.8		57.5	0.923 U	15.3	1.6 U	2.17 U	129	1600	209	254	1020		671	8.53
T01	LW2-T01 SC	1280	35.8	18		17.2	4.79		143	5.06 U	15.9	8.78 U	6.62 U	215	1830	225	514	1290		225	7.93 U
T01	LW2-T01-NOAA SC	825	21	7.65		28.7	5.14		75.6	9.78 U	13.4	17 U	5.01 U	117	1050	218	303	917		210	11.1
T01	LW2-T01-REP1	1350	39.3	1.71 U		21.4	17.4		61.9	1.61 U	40	1.73 U	8.55 U	199	2810	369	592	2300		469	13.2
T01	LW2-T01-REP2	2520	42	14.4		22.4	10.7		122	2.72 U	37.3	2.42 U	10.3 U	278	2440	265	794	2070		343	16.1
T01	LW2-T01-REP3	1240	25.5	10.5		13.7	9.34		54.5	2.05 U	21.6	1.82 U	6.2 U	140	1720	168	460	1280		220	8.91
T02	LW2-T02 SC	2060	44.4	8.39		12	10.9 U		211	8.01 U	17.6	13.9 U	10.3	240	1460	319	545	1350		253	20.5 U
T02	LW2-T02-NOAA SC	1880	41.9	8.62		10.8	10.5 U		83.3	7.75 U	20.7	13.4 U	3.21 U	290	1770	390	667	1700		435	38.8
T02	LW2-T02-REP1	3460	49.6	11.2		22.1	9.3		118	3.1 U	35	2.75 U	11.8 U	349	2420	412	859	2330		432	37.5
T02	LW2-T02-REP2	2760	43.2	11.2		19.9	4.33		112	2.78 U	35.7	2.48 U	12.9 U	312	2250	375	750	2210		388	31
T02	LW2-T02-REP3	3820	66.3	17.6		27.1	15.4		127	4.29 U	48.8	3.84 U	12 U	310	2730	405	883	2550		468	35.5
T03	LW2-T03 SC	1170	32.4	25.3		21.5	20.1		115	5.55 U	20.3	9.64 U	4.9 U	184	2170	342	450	1280		600	16.6
T03	LW2-T03-REP1	1240	30.1	25.5		21.7	21.1		74.3	1.11 U	33.8	1.65 U	8.48 U	300	3420	400	831	2470		938	18.9
T03	LW2-T03-REP2	974	31.6	35		24.4	34.6		53.9	1.15 U	27.7	1.61 U	5.18 U	138	2600	184	451	1410		721	8.89
T03	LW2-T03-REP3	1870	50	41.7		34.8	49.9		96.9	1.97 U	62.7	1.76 U	10.8 U	365	4670	474	1070	3340		1140	19.3
T04	LW2-T04 SC	251	4	3.28		3.1	0.679 U		17.4	1.87 U	4.32	3.24 U	0.712 U	33.5	358	45.8	113	251		46.4	1.66
T04	LW2-T04-REP1	243	2.97	3.01		3.28	1.29		13.2	0.908 U	5.86	1.57 U	1.43 U	34.4	438	42.2	135	369		46.5	1.97 U
T04	LW2-T04-REP2	444	5.36	4.81		6.11	2.08		20.4	0.942 U	10.6	1.63 U	1.97 U	70.4	731	90.1	230	559		95.1	4.52
T04	LW2-T04-REP3	341	4.42	3.97		4.62	2.17		18.1	0.903 U	6.65	1.57 U	2.24 U	47.3	581	57	180	403		61.8	2.89
02R001	LWG0102R001TSCRWBC00	7680	13.8	21		11.8	6.31 U		945	4.14 U	21.5	6.09 U	42.9	49.2	3250 J	49.1	513 J	447 J		41.4 J	4.82 U
02R001	LWG0102R001TSSPWBC00	189000	505	79.1		799	11.6 U		1700	7.6 U	490	11.2 U	58	1830	114000 J	3830	47200 J	51300 J		7290 J	833
03R003	LWG0103R003TSCRWBC00	1300	22.4	12.6		8.41	6.29 U		139	4.12 U	14.4	6.06 U	8.25	8.63	1340 J	9.94	204 J	263 J		10.9 J	4.8 U
03R004	LWG0103R004TSCRWBC00	1860	34.4	17.8		10.4	6.32 U		209	4.14 U	9.94	6.09 U	10.1	18.1	882 J	33.6	170 J	260 J		26.2 J	4.82 U
03R004	LWG0103R004TSSPWBC10	41800 T	730 T	91.6 T		309 T	11.1 UT		1390 T	7.29 UT	172 T	10.7 UT	50.8 T	898 T	25000 JT	1710 T	8220 JT	12900 JT		2110 JT	146 T
03R005	LWG0103R005TSCRWBC00	1800	23.1	30.4		22.2	6.36 U		185	4.17 U	39.8	6.13 U	8.34	46.6	2910 J	120	408 J	852 J		93.4 J	4.86 U
03R005	LWG0103R005TSSPWBC00	16400	218	54		243	11.5 U		258	7.54 U	149	11.1 U	6.82	731	28200 J	1860	7730 J	13600 J		2370 J	110
03R014	LWG0103R014TSSPWBC00	53200	461	127		334	6.23 U		1270	637	483	7.39 U	56.7	3170	40400 J	5410	13100 J	27500 J		5790 J	412
04R023	LWG0104R023TSSBWBC10	24600	405	134		257	5.48 U		781	3.59 U	248	5.28 U	37.6	2100	32700 J	3740	9910 J	21100 J		3750 J	160
04R023	LWG0104R023TSSBWBC20	13300	185	65.1		122	6.32 U		400	10.5	130	6.09 U	19.5	940	15800 J	1620	4910 J	9570 J		1740 J	84
04R023	LWG0104R023TSSBWBC30	22200	210	127		234	6.36 U		553	17.4	272	6.13 U	39.1	1840	21300 J	2920	6800 J	15100 J		2890 J	213
05R006	LWG0105R006TSSBWBC00	10300 T	143 T	71 T		137 T	37.1 T		311 T	3.99 UT	131 T	5.65 UT	15.1 T	1130 T	16200 JT	2150 T	4780 JT	11100 JT		2140 JT	97 T
06R002	LWG0106R002TSSPWBC10	2190	77.6	84.4		63.3	181		85.3	0.953 U	22.1	1.22 U	10	73.9	8360 J	264	1330 J	2580 J		736 J	14.4
06R002	LWG0106R002TSSPWBC20	4170	341	139		144	645		106	4.17 U	72.4	6.13 U	3.94	113	31600 J	382	3380 J	9370 J		1830 J	39.1
06R004	LWG0106R004TSCRWBC10	554	12.9 U	9.45 U		9.77 U	11.6 U		46	7.64 U	6.45	11.2 U	2.06	10.6 U	478 J	17.1 U	60.9 J	120 J		16.2 U	8.89 U
06R004	LWG0106R004TSCRWBC20	156	12.8 U	9.36 U		9.67 U	11.5 U		37.4	7.56 U	5 U	11.1 U	1.54	10.5 U	65.2 J	16.9 U	39.1 J	30.2 U		16 U	8.8 U
06R004	LWG0106R004TSSPWBC00	5420	59.7	19.5		57.6	22.5		171	4.15 U	25.4	6.1 U	5.92	137	7200 J	308	2130 J	2800 J		470 J	30.4
06R024	LWG0106R024TSSBWBC00	5530 T	80.2 T	68.3 T		82.7 T	5.24 UT		174 T	9.72 T	109 T	5.05 UT	11 T	781 T	9640 JT	1200 T	2710 JT	6520 JT		1480 JT	35 T
06R031	LWG0106R031TSCRWBC00	354	7.09 U	16.9		5.73	6.39 U		25.4	4.19 U	2.77 U	6.17 U	1.76	5.81 U	444 J	9.39	51.8 J	81.7 J		23.7 J	4.88 U
07R006	LWG0107R006TSCRWBC00	1880	12.7 U	16.3		9.62 U	11.5 U		207	7.52 U	9.41	11.1 U	8.54	24	607 J	33.6	142 J	176 J		27.4 J	8.75 U
07R006	LWG0107R006TSSPWBC00	59500	54.5	6.84		152	80.4		137	4.19 U	172	6.17 U	5.93	1030	33500 J	1390	14000 J	18500 J		2720 J	336
07R009	LWG0107R009TSSBWBC10	10000	142	98.6		152	0.613 U		270	2.02 U	64.7	1.89 U	12.8	492	17000 J	1050	3820 J	7270 J		1650 J	50.9
07R009	LWG0107R009TSSBWBC20	12700	105	93.9		125	6.43 U		177	4.22 U	149	6.2 U	13.7	852	16800 J	1300	4180 J	8890 J		1850 J	77.1
07R009	LWG0107R009TSSBWBC30	11000	343	364		638	6.32 U		246	4.14 U	140	6.09 U	13.8	789	15200 J	2480	3580 J	8310 J		2320 J	86.4
08R003	LWG0108R003TSCRWBC00	456	12.7 U	19.7		9.61 U	11.5 U		55.7	7.51 U	4.97 U	11 U	2.32	10.4 U	519 J	16.8 U	75.7 J	75.3 J		15.9 U	8.74 U
08R003	LWG0108R003TSSPWBC00	3280	57.3	83.9		106	98.2		81.7	4.17 U	27.4	6.13 U	2.49	75.8	10200 J	242	2280 J	3460 J		728 J	13.3
08R010	LWG0108R010TSSBWBC10	9320	272	222		313	251		230	4.21 U	234	6.2 U	23.3	674	72200 J	2630	6190 J	29300 J		10700 J	77.4
08R010	LWG0108R010TSSBWBC20	5010	109	129		136	85.1		188	4.22 U	92	6.2 U	10.7	605	20000 J	1160	2850 J	8840 J		2640 J	42.9

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	68194-07-0	PCB090_101_113	52663-61-3	PCB093_095_098_	73575-55-0	38379-99-6	73575-54-9	41464-51-1	38380-01-7	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB107_124	74472-35-8	38380-03-9	PCB110_115	39635-32-0	74472-36-9
	Chemical Name	PCB090	PCB090 & 101 & 113	PCB092	PCB093 & 095 & 098 & 100 & 102	PCB094	PCB095	PCB096	PCB097	PCB099	PCB101	PCB103	PCB104	PCB105	PCB106	PCB107 & 124	PCB109	PCB110	PCB110 & 115	PCB111	PCB112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
BT014	LW2-BTLW014		4010	883	3030	40		30.1				120	10.5	743	0.719 U	101	225		3440	6.38	0.63 U
BT015	LW2-BTLW015		3490	752	2440	33.7		24.8				108	8.52	808	0.733 U	101	242		3250	7.82	1.04 U
BT016	LW2-BTLW016		131000	48700	190000	17900		5530				15100	4780	1690	242	522	1830		38900	387	11800
BT017	LW2-BTLW017		62000	11000	60200	755		922				768	20.8	24700	69.3	2130	4030		70100	27.3	8.72 U
BT018	LW2-BTLW018		10300	2490	7480	66.9		62.9				268	9.53	1750	5.51 U	203	484		8230	26.5	4.82 U
BT019	LW2-BTLW019		3430	811	2460	57.9		28.1				125	16.5	746	0.728 U	94.3	223		3150	9.35	1.36 U
BT020	LW2-BTLW020		4040	829	3210	31.8		28.4				89	6.18	992	2.23 U	118	273		4430	5.95	0.686 U
BT021	LW2-BTLW021		7270	1500	5570	57.7		53.6				154	8.25	1700	3.88 U	207	470		7560	11	0.655 U
BT022	LW2-BTLW022		28900	6850	22400	221		150				936	29.3	3050	3.68 U	499	1600		26600	66.5	1.9 U
BT023	LW2-BTLW023		42300	8030	32100	165		139				765	16.9	4940	1.94 U	658	2250		36800	44.9	3.63 U
BT024	LW2-BTLW024		33800	6640	24300	137		115				454	9.42	6830	8.17 U	867	1940		36400	31.2	2.6 U
BT025	LW2-BTLW025		7890	1740	5870	59.8		47.5				210	7.32	1430	2.27 U	193	501		7820	15.2	0.922 U
BT026	LW2-BTLW026		40900	9870	35000	1370		600				2490	235	2670	7.37 U	383	1620		25000	113	8.43 U
BT0271	LW2-BTLW027-1		5440	1440	5180	149		86.6				412	38.6	745	5.74 U	103	282		4300	20.1	5.02 U
BT0272	LW2-BTLW027-2		4460	1080	3840	94.1		49				302	33.4	613	1.66 U	84.3	247		3360	19.5	1.56 U
BT028	LW2-BTLW028		134000	21100	144000	882		1190				952	21.9	38000	19 U	3900	6570		157000	21.4 U	18.9 U
BT029	LW2-BTLW029		7580	1750	6530	108		71.7				280	17.1	1250	2.18 U	179	399		7640	15.3	0.996 U
BT030	LW2-BTLW030		8430	1860	7060	100		43.1				231	32.3	1270	9.13 U	167	405		6890	17.1	1.51 U
BT031	LW2-BTLW031		3270	681	2910	63.3		45.7				169	19.4	580	2.13 U	73.2	183		2790	7.1	0.774 U
BT032	LW2-BTLW032		43400	8890	49500	824		1060				2970	237	3140	16.3 U	467	1160		26200	81.5	8.72 U
BT033	LW2-BTLW033		3120	646	2870	77.7		58.6				197	24.9	547	0.723 U	76.8	154		2630	6.53	0.97 U
MIT001	LW2-MIT001		2290	530	1760	45.9		24.9				40.9	12	662	0.395 U	84.3	174		2110	3.04	0.339 U
MIT002	LW2-MIT002		2490	474	1550	17.4		10.7				23.9	2.68	603	0.382 U	76.9	138		2550	1.42 U	0.495 U
MIT356	LW2-MIT003/005/006		2280	540	1810	40.7		25.8				66.9	11.3	431	0.47 U	554	134		1830	4.12 U	0.411 U
MIT004	LW2-MIT004		14200	4810	15400	1370		329				1090	498	290	22.1	71.7	278		3740	56	725
MIT007	LW2-MIT007		1900	386	1080	35.6		15.2				68.9	5.05	207	3.3 U	28.8	95.8		1200	5.48 U	2.89 U
MIT810	LW2-MIT008/010		1630	361	1170	21.1		13.7				43.5	6.02	352	0.491 U	41.6	99		1500	2.76	0.661 U
MIT009	LW2-MIT009		2880	612	1740	28.1		24				125	8.99	359	0.551 U	46.8	132		2100	8.21	0.482 U
T01	LW2-T01 SC		2810	429	1160	8.14 U		5.7				22.3	1.42 J	1230	3.03 U	128	286		2190	6.78 U	2.65 U
T01	LW2-T01-NOAA SC		2930	386	1120	12.2		8.62				22.9	1.27 U	550	5.84 U	109	113		1920	1.54 J	5.12 U
T01	LW2-T01-REP1		7680	1410	3440	35		13.3				79.3	8.49	1310	3.37 U	122	278		4140	8.83	185
T01	LW2-T01-REP2		3970	683	1530	11.5		6.84				27.3	2.18	1610	2.2 U	131	278		3110	3.81	29.7
T01	LW2-T01-REP3		2930	490	1170	8.8		4.61				23.9	2.08	1060	1.15 U	89.8	201		2130	4.24	25
T02	LW2-T02 SC		2240	393	1260	8.09 U		9.96				16.5	0.586 U	1160	4.78 U	102	172		2090	1.96 J	4.19 U
T02	LW2-T02-NOAA SC		2450	393	1740	16.4		11.1				23.8	1.09 J	762	4.63 U	64.1	133		2140	1.93 U	4.05 U
T02	LW2-T02-REP1		3920	648	1840	10.3		11.9				26.5	0.97	1590	0.552 U	120	266		3450	4.74	23.9
T02	LW2-T02-REP2		3820	632	1730	11		11.1				30.3	1.18	1660	1.51 U	122	309		3440	4.44	0.689 U
T02	LW2-T02-REP3		4380	746	2060	13.3		12.7				34.5	1.18	1860	1.5 U	131	316		3750	4.28	18.1
T03	LW2-T03 SC		4410	752	3010	18.4		22.2				101	4.97 U	744	3.32 U	88.5	187		2620	7.7	2.9 U
T03	LW2-T03-REP1		7570	1270	4440	37.9		37.8				149	8.79	1350	1.86 U	142	354		5290	13.7	2.29 U
T03	LW2-T03-REP2		4170	805	2110	46.8		35.8				165	9.73	780	2.79 U	78.4	245		2170	14.2	1.86 U
T03	LW2-T03-REP3		8060	1430	3810	48.2		56.5				192	17.2	1930	2.21 U	186	438		5110	15.5	2.52 U
T04	LW2-T04 SC		483	77.2	202	0.989		0.853 J				2.72	0.119 J	224	1.11 U	19.6	48.9		440	0.409 U	0.976 U
T04	LW2-T04-REP1		567	101	227	1.22 U		0.837				3.02	0.176 U	297	1.14 U	20.4	60.3		542	0.895 U	0.881 U
T04	LW2-T04-REP2		1020	173	438	1.99		1.81				6.02	0.254 J	503	1.69 U	31.4	102		914	1.23	1.05 U
T04	LW2-T04-REP3		733	126	285	2.1 U		1.15				3.9	0.135 J	384	1.58 U	27.6	78.4		662	1.54 U	1.52 U
02R001	LWG0102R001TSCRWBC00		634 J	75.1	192 J	4.9 U		6.43 U				4.51 U	7.41 U	2520	9.75 U	68.7 J	775		302 J	5.63 U	6.94 U
02R001	LWG0102R001TSSPWBC00		94900 J	22300	36300 J	45.1		912				489	13.6 U	57700	17.9 U	2010 J	9880		80500 J	25.3	12.7 U
03R003	LWG0103R003TSCRWBC00		482 J	74.5	183 J	4.88 U		6.4 U				5.18	7.38 U	681	9.71 U	41.8 J	289		79.8 J	5.61 U	6.91 U
03R004	LWG0103R004TSCRWBC00		388 J	72.1	236 J	4.9 U		6.44 U				6.18	7.41 U	588	9.76 U	32 J	318		154 J	5.63 U	6.94 U
03R004	LWG0103R004TSSPWBC10		25400 JT	5620 T	10900 JT	38.4 T		203 T				157 T	13 UT	15300 T	17.2 UT	875 JT	2750 T		20500 JT	11 JT	12.2 UT
03R005	LWG0103R005TSCRWBC00		1710 J	301	924 J	4.93 U		6.48 U				22.1	7.46 U	1860	9.82 U	107 J	557		602 J	5.67 U	6.99 U
03R005	LWG0103R005TSSPWBC00		35400 J	8400	15100 J	29.6		162				273	13.5 U	13100	17.8 U	646 J	2910		27100 J	21.6	12.6 U
03R014	LWG0103R014TSSBWBC00		48300 J	9500	22900 J	133		279				451	15.1	20000	9.61 U	1160 J	4270		39200 J	35.3	6.84 U
04R023	LWG0104R023TSSBWBC10		42500 J	8430	19100 J	90.8		156				396	10.4	18500	8.46 U	1160 J	3650		34100 J	44.6	6.02 U
04R023	LWG0104R023TSSBWBC20		19300 J	3850	8100 J	43.9		84				207	7.9	8520	9.76 U	505 J	1900		15500 J	26.2	6.94 U
04R023	LWG0104R023TSSBWBC30		26800 J	5150	11500 J	86.9		153				278	9.79	11300	9.82 U	597 J	2570		23000 J	31.3	117
05R006	LWG0105R006TSSBWBC00		20300 JT	4000 T	9820 JT	54.3 T		106 T				265 T	14.2 T	8940 T	9.05 UT	570 JT	1880 T		17400 JT	26.4 T	6.44 UT
06R002	LWG0106R002TSSPWBC10		9790 J	2390	5050 J	64.7		109				330	50.9	1920	1.95 U	129 J	537		3950 J	38	1.39 U
06R002	LWG0106R002TSSPWBC20		45600 J	11300	21500 J	105		376				1760	226	3370	16.6 J	170 J	1300		11000 J	129	1790
06R004	LWG0106R004TSCRWBC10		313 J	67.6	142 J	9.03 U		11.9 U				8.33 U	13.7 U	298	18 U	35.3 U	109		42.3 J	10.4 U	12.8 U
06R004	LWG0106R004TSCRWBC20		83.7 J	10.4 U	41.1 U	8.95 U		11.7 U				8.25 U	13.5 U	57.5	17.8 U	35 U	87.1		29.6 J	10.3 U	12.7 U
06R004	LWG0106R004TSSPWBC00		6700 J	1590	2510 J	11.1		48.1				94.7	7.43 U	3790	9.78 U	164 J	732		4870 J	18.7	6.96 U
06R024	LWG0106R024TSSBWBC00		13100 JT	2560 T	6180 JT	37.3 T		38 T				210 T	6.15 UT	4460 T	8.09 UT	340 JT	1520 T		10700 JT	27.4 T	5.76 UT
06R031	LWG0106R031TSCRWBC00		291 J	49.5	147 J	4.96 U		6.51 U				21	7.5 U	174	9.87 U	19.4 U	91.2		48.8 J	5.7 U	7.02 U
07R006	LWG0107R006TSCRWBC00		271 J	33.8	106 J	8.89 U		11.7 U				8.2 U	13.5 U	381	17.7 U	34.7 U	190		124 J	10.2 U	12.6 U
07R006	LWG0107R006TSSPWBC00		29900 J	6220	10900 J	27.4		241				186	25.5	21800	9.87 U	283 J	3250		29600 J	24.9	7.02 U
07R009	LWG0107R009TSSBWBC10		17500 J	4220	9190 J	78.3		116				423	29.7	6160	2.69 U	297 J	1690		11000 J	50.7	2.38 U
07R009	LWG0107R009TSSBWBC20		20000 J	3990	8320 J	86.2		98.3				393	28.6	8130	9.93 U	271 J	1700		12200 J	32.9	7.07 U
07R009	LWG0107R009TSSBWBC30		18500 J	5310	11800 J	72		105				447	15	6290	9.76 U	348 J	1870		18600 J	43.3	6.94 U
08R003	LWG0108R003TSCRWBC00		369 J	45.6	101 J	8.88 U		11.7 U				9.88	13.4 U	256	17.7 U	34.7 U	186		52.5 J	10.2 U	12.6 U
08R003	LWG0108R003TSSPWBC00		10700 J	2710	5420 J	10.8		116				410	16.3	3390	9.82 U	195 J	1020		6060 J	47.1	6.99 U
08R010	LWG0108R010TSSBWBC10		147000 J	29700	53500 J	469		402				4100	58.8	9420	11.2 U	539 J	6070		56900 J	299	7.06 U
08R010	LWG0108R010TSSBWBC20		32500 J	6640	11900 J	115		143				852	19.9	5330	9.93 U	329 J	2060		13900 J	102	7.07 U

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	57465-28-8	39635-33-1	38380-07-3	PCB128_166	PCB129_138_160_163	52663-66-8	61798-70-7	38380-05-1	35694-04-3	PCB134_143	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2
	Chemical Name	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB126	PCB127	PCB128	PCB128 & 166	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB133	PCB134 & 143	PCB135 & 151 & 154	PCB136	PCB137	PCB138
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
BT014	LW2-BTLW014	47.6	2240		27.1	8.05	31.2	41.7	8.01	1.87		431	5260	242	24.6	1150	126	176	3200	700	46.9	
BT015	LW2-BTLW015	51.7	2490		31	7.18	32.5	42	9.49	3.17		454	5450	261	25.9	1180	135	192	3020	603	72.9	
BT016	LW2-BTLW016	103	19900		848	1110	96.2	317	35.4	44.4		8850	314000	6630	848	55000	7060	11800	277000	49100	1530	
BT017	LW2-BTLW017	2360	44300		145	16.7	1060	1470	118	34 U		2240	19600	1170	221	5960	454	1010	10900	2760	544	
BT018	LW2-BTLW018	120	5040		81.8	21.6	78	82.2	14.3	5.11 U		964	12400	608	73.1	3190	454	443	8790	1710	157	
BT019	LW2-BTLW019	46.3	2260		33.6	10.2	33.4	40.2	7.84	2.86		504	6660	313	28.9	1370	196	222	3670	689	71.2	
BT020	LW2-BTLW020	60.3	2880		29.6	4.67	39.5	49.2	11	3.81		543	6740	306	35	1300	123	215	210	627	103	
BT021	LW2-BTLW021	123	5010		49.5	7.2	70.7	94.9	14.2	5.32		799	9580	455	50.5	2080	204	303	5060	1040	147	
BT022	LW2-BTLW022	188	15300		299	40.2	148	155	28.8	14.9		2820	35700	1730	200	8510	1030	1260	20500	4730	412	
BT023	LW2-BTLW023	280	22400		262	16.2	203	223	34.1	9.87		3230	24900	1870	282	9180	603	1540	11100	3640	313	
BT024	LW2-BTLW024	400	26000		194	9.25	250	335	21.3	28.1		4380	36300	1980	274	9400	615	1370	14600	3810	749	
BT025	LW2-BTLW025	89.3	5080		69.8	8.74	60.3	66.5	11	8.37		961	11100	586	65.5	2600	294	381	6440	1310	207	
BT026	LW2-BTLW026	144	12500		469	138	99.6	136	35	15		3000	62000	2030	225	13000	1610	2030	47000	9650	380	
BT0271	LW2-BTLW027-1	45.5	2540		70.2	33.7	27	39.4 U	9.86 U	3.92 J		604	9240	396	39.4	2040	320	285	5930	1510	76	
BT0272	LW2-BTLW027-2	36.6	2020		70.3	24.8	24.8	28.8	7.48	3.84		479	9530	389	29.7	1580	317	238	279	1130	86.9	
BT028	LW2-BTLW028	2940	93200		180	28.3 U	1490	1750	144	20.5 U		8290	76900	3570	744	20800	814	3390	40100	9830	2030	
BT029	LW2-BTLW029	60.9	4230		72.5	12.3	53	62.3	26.4	8.16		1220	15900	685	79.5	3590	305	497	8900	1890	169	
BT030	LW2-BTLW030	72.2	4820		71.8	18.5	48.4	72.3	11.3 U	10 U		929	16100	681	85.4	3060	351	602	608	1650	178	
BT031	LW2-BTLW031	35.2	1940		26.2	12.6	22.6	31.2	5.93	2.11 U		395	5320	224	28	1170	142	171	2930	758	63.9	
BT032	LW2-BTLW032	185	11100		373	184	134	183	64.9	28.1		4390	105000	3030	365	23400	2000	3170	82100	17600	752	
BT033	LW2-BTLW033	35.3	1630		21.3	16.1	22.2	31.2	5.15	2.1		344	4820	192	23.5	995	127	160	3000	731	47.9	
MIT001	LW2-MIT001	43.9	1540		11.5	5.25	32.8	41.1	4.2	0.463 U		307	3010	152	9.84	636	70.2	125	1190	296	108	
MIT002	LW2-MIT002	32.6	1790		6.82	1.46 U	24.3	28.1	3.08	0.477 U		426	3160	180	23.1	762	46.5	112	872	215	138	
MIT356	LW2-MIT003/005/006	27.5	1160		16.9	7.53	20.6	24.5	3.83 U	0.586 U		297	3250	164	7.28	702	98.7	137	3.23 U	395	79.9	
MIT004	LW2-MIT004	19.4	2490		111	168	1.03 U	32.2	6.55 U	12.4		1610	42800	1200	79.3	6220	1100	1620	20000	3360	446	
MIT007	LW2-MIT007	10.5	800		19.2	5.68	10.4 U	11.7 U	2.28 J	4.12 U		236	3130	136	5.83	495	79.9	73.6	1080	182	53.3	
MIT810	LW2-MIT008/010	21.7	960		10.7	4.8	16.7	17.7	2.87	0.613 U		235	2400	122	8.59	512	60.9	88.6	1020	218	67.7	
MIT009	LW2-MIT009	21	1120		29.1	10.9	16.7	15.4	4.54	0.688 U		382	6300	264	22	1370	146	193	2550	370	67.7	
T01	LW2-T01 SC	80.3	3610		21.9	5.3	35.9	60.4	13.8	5.53		767	7860	411	24.9	811	193	129	1190	224	186	
T01	LW2-T01-NOAA SC	33.3	1630		10.3	2.35 J	13.6	37.5	5.22 U	1.66 U		351	4010	165	21.2	726	74	117	1290	278	90.4	
T01	LW2-T01-REP1	90.5	4440		33.1	11.4	10.5	75.4	16.8	9.59		1660	26900	847	92.3	4900	366	735	7550	1700	259	
T01	LW2-T01-REP2	119	4060		15.7	3.21	17.2	86	13.8	8.5		700	7380	312	29.7	935	125	162	1500	274	237	
T01	LW2-T01-REP3	72.9	3100		15.7	3.87	7.91	61.7	10.7	7.61		608	6920	287	21.7	804	129	140	1400	253	192	
T02	LW2-T02 SC	76.7	2520		9.68	1.74 U	30.5	64.7	17	3.11 U		391	3450	163	20.7	594	73.8	103	940	184	108	
T02	LW2-T02-NOAA SC	50.6	1730		7.66	1.82 U	23.1	41.5	5	3.33 J		337	2890	143	15.7	540	49.6	88.6	850	141	107	
T02	LW2-T02-REP1	110	3660		18	2.83	11.4	82.8	14.4	5.97		648	6890	313	28.8	979	128	160	1530	261	205	
T02	LW2-T02-REP2	114	3810		18.9	2.81	11.1	88.4	35.3	7.62		865	8150	398	31.1	1000	125	198	1600	267	230	
T02	LW2-T02-REP3	120	4490		19.1	3.7	13.5	83.3	14.9	10.1		864	8210	374	34.4	1170	140	196	1890	332	278	
T03	LW2-T03 SC	43.9	2220		32.1	7.94	25.9	43.9	11.6	4.29		1010	14600	514	61.5	2710	262	381	5000	960	171	
T03	LW2-T03-REP1	78.2	4460		62.6	14.6	13.7	78.4	20.2	12.4		1790	24000	857	71.1	3600	409	614	7360	1250	240	
T03	LW2-T03-REP2	49.6	2500		61.6	18.1	6.94	42.5	11.9	7.11		784	11900	462	30.7	1460	351	270	3970	568	168	
T03	LW2-T03-REP3	108	5880		67.1	20.9	16.3	102	19.6	15.5		1500	18200	741	68.5	2490	386	430	5030	878	357	
T04	LW2-T04 SC	14.7	631		2.73	0.414 U	5.2	12.9	2.84	1.02 U		105	856	49.3	4.14	110	15.8	16.3	151	33.3	35.3	
T04	LW2-T04-REP1	18.6	833		4.14	0.895 U	2.62	17.2	3.12	2.02 U		157	1230	65	4.31	144	20.5	23.7	203	34.4	43	
T04	LW2-T04-REP2	33.8	1430		5.69	1.06 U	4	27.8	4.02	2.76		260	2000	112	9.25	276	34.4	42.6	334	65.6	80.9	
T04	LW2-T04-REP3	25.6	1080		4.79	1.54 U	2.75	20.3	4.54	2.6		188	1490	81.5	5.75	179	25.2	29.8	234	40.1	62	
02R001	LWG0102R001TSCRWBC00	387	9630		17.2	4.07 U	55.8	315	25.9	9.56 U		72.7 J	2540 J	141	6.75	78.6	65.2	16.1 J	189 J	22.5	421	
02R001	LWG0102R001TSSPWBC00	4890	129000		157	22.7	255	2760	177	201		13200 J	85000 J	2490	119	2920	1190	765 J	11000 J	2470	5390	
03R003	LWG0103R003TSCRWBC00	113	3620		15	4.06 U	35.8	89.1	9.7	14		59.9 J	4850 J	170	6.08 U	47.7	101	56.5 J	315 J	41.1	459	
03R004	LWG0103R004TSCRWBC00	101	3090		10.5	4.08 U	11.7 U	83.5	9.07	9.57 U		101 J	2130 J	111	6.11 U	47.7	58.8	24.5 J	171 J	33.3	283	
03R004	LWG0103R004TSSPWBC10	1210 T	40300 T		52.5 T	12.6 T	232 T	689 T	64.1 T	96.8 T		7080 JT	46400 JT	1540 T	84.5 T	2230 T	637 T	490 JT	6050 JT	1210 T	3020 T	
03R005	LWG0103R005TSCRWBC00	180	7820		22.2	4.11 U	54.2	179	22.3	17.9		192 J	14700 J	503	22.3	270	257	141 J	847 J	134	838	
03R005	LWG0103R005TSSPWBC00	774	36500		136	24.8	80.4	520	58.2	101		8730 J	76500 J	2050	106	3350	1150	753 J	16900 J	2680	3270	
03R014	LWG0103R014TSSBWBC00	1550	51100		180	34.2	230	1090	103	79.4		7080 J	62400 J	2470	243	6970	1160	10.3 U	14500 J	3240	3010	
04R023	LWG0104R023TSSBWBC10	1240	51800		216	34.8	195	839	95.9	107		9310 J	78900 J	3120	261	7890	1400	1550 J	16500 J	3240	3610	
04R023	LWG0104R023TSSBWBC20	612	22000		114	21.9	85.5	416	51.2	50.4		5000 J	40800 J	1490	117	3810	751	705 J	7650 J	1650	1690	
04R023	LWG0104R023TSSBWBC30	873	27500		128	21.3	114	521	59.6	2310		4090 J	29400 J	1390	136	3550	597	627 J	6730 J	1460	1370	
05R006	LWG0105R006TSSBWBC00	666 T	23300 T		126 T	29.2 T	93.8 T	428 T	48.5 T	45.8 T		4690 JT	36400 JT	1490 T	149 T	3810 T	705 T	689 JT	7410 JT	1620 T	1670 T	
06R002	LWG0106R002TSSPWBC10	133	7210		108	86.1	13.1	84.2	22.1	22.9		2350 J	40400 J	764	27.9	1540	825	427 J	9830 J	1300	658	
06R002	LWG0106R002TSSPWBC20	246	19000		342	419	26.8	193	44.1	101		13200 J	293000 J	4190	206	5610	3490	2280 J	63800 J	7510	2560	
06R004	LWG0106R004TSCRWBC10	36.6	1360		7.29 U	7.52 U	21.5 U	28.1	2.75	17.6 U		30.6 J	1350 J	83.3	11.3 U	17.5	34.3 J	19.9 J	143 J	19.5	98.3	
06R004	LWG0106R004TSCRWBC20	33.9	1140		10.2	7.44 U	21.3 U	27.2	1.84	17.5 U		13.3 U	1110 J	18.2	11.1 U	15.3	21.9	19.1 U	30.2 U	7.29	113	
06R004	LWG0106R004TSSPWBC00	304	10700		61.5	15.7	26	159	23.6	27.5		2190 J	18700 J	450	14.9	650	435	151 J	3880 J	520	867	
06R024	LWG0106R024TSSBWBC00	355 T	14000 T		126 T	19 T	81.8 T	268 T	43.1 T	39.8 T		3980 JT	36600 JT	1510 T	130 T	3620 T	760 T	637 JT	7270 JT	1380 T	1360 T	
06R031	LWG0106R031TSCRWBC00	35.8	1020		10.6	4.13 U	11.8 U	25	3.12	9.68 U		18.5 J	1900 J	74.1	6.18 U	61.7	55.5	16.4 J	308 J	34.1	93.6	
07R006	LWG0107R006TSCRWBC00	87.7	2270		14.4	7.4 U	21.2 U	64.9	6.15	17.4 U		37.9 J	1750 J	62.7	11.1 U	30.1	59.6	19 U	105 J	16.4	160	
07R006	LWG0107R006TSSPWBC00	1730	42500		81.3	20.8	11.8 U	610	63.9	53.8		3880 J	32300 J	831	37.6	994	576	246 J	5930 J	849	1800	
07R009	LWG0107R009TSSBWBC10	490	18600		189	76.7	54.9	227	41.5	37.7		4960 J	50300 J	1580	82.3	2850	1300	616 J	12200 J	1820	1740	
07R009	LWG0107R009TSSBWBC20	681	21700		146	46.5	77.1	389	49.4	25.1		3510 J	45300 J	1680	106	3410	1140	803 J	11200 J	1680	1540	
07R009	LWG0107R009TSSBWBC30	505	20300		220	30.4	97.9	299	40.8	23.4 J		3720 J	43200 J	1680	103	4520	1040	885 J	10700 J	2100	1440	
08R003	LWG0108R003TSCRWBC00	48.9	1620		31	7.39 U	21.2 U	31.3	5.85	17.3 U		21.5 J	2980 J	115	11.1 U	35.4	114	19 U	231 J	25.5	168	
08R003	LWG0108R003TSSPWBC00	266	12400		196	62.7	22.6	152	27.6	35		3760 J	39100 J	762	19.2	1020	851	266 J	2390 J	1120	1010	
08R010	LWG0108R010TSSBWBC10	583	60500		1510	182	57.2	388	101	112		29300 J	516000 J	12600	1050	62200	8430	11700 J	159000 J	36000	3560	
08R010	LWG0108R010TSSBWBC20	339	19900		472	72.1	69.1	255	63.6	9.74 U		7810 J	125000 J	3210	190	6760	2200	1320 J	26700 J	3920	1460	

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	2051-60-7	2051-61-8	2051-62-9	13029-08-8	16605-91-7	25569-80-6	33284-50-3	34883-43-7	34883-39-1	33146-45-1	2050-67-1	PCB012_013	34883-41-5	2050-68-2	38444-78-9	37680-66-3	37680-65-2	PCB018_030	38444-73-4	PCB020_028
	Chemical Name	PCB001	PCB002	PCB003	PCB004	PCB005	PCB006	PCB007	PCB008	PCB009	PCB010	PCB011	PCB012 & 013	PCB014	PCB015	PCB016	PCB017	PCB018	PCB018 & 030	PCB019	PCB020 & 028
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
08R010	LWG0108R010TSSBWBC30	18.9	6.12	11.3 J	450	9.97	43.9	10.3	164	15.7	17.7	184	14.7 J	3.09 U	51.4	281	769		880 J	932	2860 J
08R032	LWG0108R032TSSBWBC00	7.49	1.58	2.36	356	2.13	37.6	6.42	172	10.1	14	287	6.92 J	0.375 U	66.7	312	693		972 J	527	3840 J
09R002	LWG0109R002TSCRWBC00	4.05 J	3.37 U	4.82 U	35.6	4.37 U	33	6.92 U	27.4	16.2	8.81 U	42.2 U	9.76 U	5.73 U	219	25.6	45		172 J	14.9	601 J
09R002	LWG0109R002TSSPWBC00				719	6.71	309	18.4	808	50.8	22	148	6.54 J	0.642 U	80.9	669	1290		2400 J	494	4220 J
09R006	LWG0109R006TSSBWBC00				365	3.17	82.3	11.9	379	25.6	16.3	157	6.97 J	3.14 U	153	709	1530		2480 J	544	9940 J
20R001	LWG0120R001TSBBWBC10				12.9 U	4.45 U	6.63 U	7.05 U	9.64 U	4.66 U	8.97 U	43 U	9.94 U	5.84 U	4.86 U	9.14	6.9 U		26.4 J	7.19 U	158 J
20R001	LWG0120R001TSBBWBC20				12.1 U	4.19 U	6.25 U	6.64 U	9.09 U	4.39 U	8.45 U	97.1 J	9.37 U	5.5 U	4.25 U	11	8.68		43.3 J	6.78 U	197 J
20R001	LWG0120R001TSSBWBC10				33.3	4.41 U	24.1	6.99 U	70.2	4.61 U	8.89 U	252 J	9.85 U	5.78 U	4.59 U	57.5 J	127		185 J	24.3	564 J
20R001	LWG0120R001TSSBWBC20				42.1	8.2 U	20.9 J	7.39 U	88.4	7.25 U	8.7 U	146	9.64 U	7.98 U	11.4 U	80	173		225 J	53	998 J
20R001	LWG0120R001TSSBWBC30				69.4	4.32 U	18.3	6.85 U	77.2	4.56 J	8.72 U	68.9 J	9.66 U	5.67 U	5.09 U	90.5	260		329 J	124	1460 J
28R001	LWG0128R001TSBBWBC00				12.3 UT	4.45 UT	6.33 UT	6.73 UT	9.2 UT	4.66 UT	8.56 UT	41 UT	9.49 UT	5.57 UT	5.06 UT	9.61 JT	7.43 JT		24.2 JT	6.86 UT	159 JT
28R001	LWG0128R001TSSBWBC10				18 T	2.14 UT	5.97 JT	3.39 UT	22.8 T	2.39 JT	4.32 UT	45.6 T	4.79 UT	2.81 UT	6.48 JT	48 T	81.2 T		135 JT	13.7 T	535 JT
28R001	LWG0128R001TSSBWBC20				16.9	2.33 U	6.43	3.69 U	26.8	2.44 U	4.7 U	40.6	5.21 U	3.06 U	9.31	42.7	71.2		131 J	12.3	439 J
28R001	LWG0128R001TSSBWBC30				16.1	2.68 U	5.61	3.7 U	23.6	2.51 U	4.71 U	48	5.22 U	3.07 U	6.8	43.5	73.6		137 J	14	448 J
FZ0306	LWG01FZ0306TSBBWBC10				77.6 J	2.85 UJ	12.5 J	3.8 UJ	49.5 J	4.96 J	4.84 UJ	52.3 J	5.37 UJ	3.15 UJ	9.59 J	88.6	155		223 J	64.7	1060 J
FZ0306	LWG01FZ0306TSBBWBC20	2.52 J	1.75 UJ	2.51 U	102	2.27 U	21	3.61 U	91	11.2	4.63	29.1	5.09 U	2.99 U	4.26	151	213		533 J	85.9	2490 J
FZ0306	LWG01FZ0306TSBBWBC30				165	3.9 U	49.3	3.79 U	294	12.9	4.82 U	39.8	5.34 U	3.56 U	48.5	321	447		792 J	120	2310 J
FZ0306	LWG01FZ0306TSBCWBC10				244	4.42 U	37.2	9.06 J	219	4.63 U	9.77 J	179 J	9.89 U	5.81 U	82.5	217	401		363 J	356	1750 J
FZ0306	LWG01FZ0306TSBCWBC20				347	5.8 U	40.8 J	13.9 J	272	12.7 J	15.2 J	171	9.79 U	5.75 U	116	278	544		451 J	476	1850 J
FZ0306	LWG01FZ0306TSCPWBC10	7.06	3.26	5.59 J	151	3.87	53.9	9.2	243	23.2	14.1	251	15.7 J	3.18 U	67.2	428	540		1820 J	266	6000 J
FZ0306	LWG01FZ0306TSCPWBC20	32.1	4.71 J	17.8	5520	3	224	59	1060	190	580	184	248 J	3.13 U	92.9	464	14800		6750 J	33300	10700 J
FZ0306	LWG01FZ0306TSCPWBC30	2.78	2.8	2.96 J	125	2.41 U	20.5	3.82 U	90.2	6.45 J	7.61	258	5.39 U	3.17 U	20.3	150	231		547 J	230	1970 J
FZ0609	LWG01FZ0609TSBBWBC10				50.1	2.49 U	17.4	3.81 U	59.5	7.96	4.85 U	34.5	5.37 U	3.15 U	7.54	119	197		368 J	52.7	2080 J
FZ0609	LWG01FZ0609TSBBWBC20				61.3 J	2.4 UJ	22.6 J	3.81 UJ	92.9 J	7.83 J	4.85 UJ	28.9 J	5.37 UJ	3.15 UJ	10.5	182	284		491 J	69	2360 J
FZ0609	LWG01FZ0609TSBBWBC30	3.99	1.74 UJ	2.7 J	97.3	2.26 U	31.2	3.59 U	126	13.6	5.24	39.7	5.06 U	2.97 U	5.03	256	391		709 J	105	4120 J
FZ0609	LWG01FZ0609TSBCWBC10	6.85 J	2.44 J	4.66 J	218	2.39 U	16.8	4.82	92.7	4.81	9.89	411	16.5 J	3.14 U	47.7	111	297		202 J	364	1150 J
FZ0609	LWG01FZ0609TSBCWBC20	21.9 J	2.48 J	8.7 J	596	3.39 U	50.6	11.2	441	9.11	28	588	46.2 J	3.26 U	130	222	1150		412 J	901	6090 J
FZ0609	LWG01FZ0609TSCPWBC10	4.44	1.63	1.75 J	206	2.76	75.3	8.04	302	33.3	16.2	196	7.25 J	0.553 U	29	298	650		1040 J	662	2470 J
FZ0609	LWG01FZ0609TSCPWBC20				276	4.1 U	81	10.2	374	36.4	15.5	533	9.18 U	5.39 U	72	209	588		962 J	522	3790 J
FZ0609	LWG01FZ0609TSCPWBC30	5.09 J	2.6 J	2.8 J	288	2.27 U	30.6	5.91	143	12.9	21.8	250	18.6 J	2.99 U	20.9	188	758		882 J	1320	2590 J
WR-PG-Ref03	WLCDRD050184G	1200 U				500 U			2000									1000 NJ			
WR-PG-Ref03	WLCDRD050187G	810 U				150 U			130 U									110 U			
WR-VC-11	WLCDRD05WRVC011Clam	370 U				1100 U			1400 U									820 NJ			
WR-VC-11	WLCDRD05WRVC011Worm	1000 U				150 U			340 NJ									470 NJ			
WR-VC-28	WLCDRD05WRVC028Clam	370 U				650 U			3000									1400 NJ			
WR-VC-28	WLCDRD05WRVC028Worm	530 U				220 U			880 NJ									1700 J			
WR-VC-29	WLCDRD05WRVC029Clam	500 U				2200 U			3100									2800 NJ			
WR-VC-29	WLCDRD05WRVC029Worm	530 U				220 U			710 U									360 J			
WR-VC-43	WLCDRD05WRVC043Clam	370 U				1200 U			1600 U									850 NJ			
WR-VC-43	WLCDRD05WRVC043Worm	1000 U				150 U			250 J									1200 NJ			
WR-VC-46	WLCDRD05WRVC046Clam	370 U				1100 U			1400 U									870 NJ			
WR-VC-46	WLCDRD05WRVC046Worm	620 U				250 U			480 J									1400 J			
WR-VC-57	WLCDRD05WRVC057Clam	370 U				1300 U			1700 U									980 NJ			
WR-VC-57	WLCDRD05WRVC057Worm	370 U				150 U			440 J									2600 NJ			
WR-VC-66	WLCDRD05WRVC066Clam	370 U				1500 U			2000 U									1100 NJ			
WR-VC-66	WLCDRD05WRVC066Worm	370 U				150 U			500 U									1000 NJ			
WR-VC-72	WLCDRD05WRVC072Clam	370 U				150 U			3000									1500 J			
WR-VC-72	WLCDRD05WRVC072Worm	370 U				150 U			530 U									4100 J			
WR-VC-108	WLCDRD05WRVC108Clam	1000 U				150 U			2600									1600 NJ			
WR-VC-108	WLCDRD05WRVC108Worm	3100 U				460 U			2700									6100 J			
WR-VC-118	WLCDRD05WRVC118Clam	1000 U				150 U			3100									1400 NJ			
WR-VC-118	WLCDRD05WRVC118Worm	370 U				150 U			260 NJ									410 NJ			
Clackamas Fish Hatcher	WLTASE03CFH03254200	1.57	2.13	2.05	11.4	3.66 U	3.55	3.44 U	20	3.45 U	3.55 U	67.7	3.6 U	3.6 U	4.13	19.1	23.9		76.4	7.2	325
Clackamas Fish Hatcher	WLTASE03CFH03254201	0.973	1.18 K	1.37 K	12.4	0.801 U	4.41	0.926	23.4	1.52	0.805 U	84.3	1.83 K	0.777 U	4.54	20.7	32.9		101	9.14	306
Clackamas Fish Hatcher	WLTASE03CFH03254202	1.65	2.15	3.39	11.8	2.81 U	3.61	2.64 U	19.8	2.65 U	2.73 U	83.7	2.77 U	2.77 U	4.07	11.3	25.5		68.1	9.13	216
Clackamas Fish Hatcher	WLTASE03CFH03254210	0.853 JT	1.13 JT	1.23 JT	9.31 JT	0.953 UT	3.38 JT	0.925 UT	15.7 T	1.36 T	0.958 UT	45 T	0.937 UT	0.924 UT	3.43 JT	14.7 T	18.3 T		63.3 T	5.57 JT	240 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	1.32 K	1.3 K	2.03 K	12.3	6.06 U	5.76 U	5.69 U	20.4	5.71 U	5.88 U	83.9	5.96 U	5.97 U	6.25 U	14	22.2		70.9	6.91 K	249
Clackamas Fish Hatcher	WLTASE03CFH03254212	0.891 K	0.902 K	2.21 K	8.99	1.69 U	3.07	1.59 U	17.8	1.59 U	1.64 U	68.1	1.66 U	1.67 U	3.1	9.83	26		66.3	6.83 K	191
Clackamas Fish Hatcher	WLTASE03CFH03254220	1.61 JT	1.84 T	2.97 JT	15 T	1.66 UT	5.32 T	1.5 UT	28.6 T	2.06 T	1.57 UT	93.4 T	1.58 UT	1.57 UT	5.36 JT	20.4 T	40.7 T		110 T	10.5 T	345 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	1.09	1.1	1.07 K	12.6	0.511	5.29	0.982	28.6	1.73	0.674	103	1.43	0.262	4.83	23.5	51.2		132	7.88	354
Clackamas Fish Hatcher	WLTASE03CFH03254222	1.79	1.27 U	1.3 U	12.8	4.05 U	4.88	3.81 U	29	3.82 U	3.93 U	102	3.98 U	3.99 U	5.14	16.2	34.3		93.5	10.4	368
Clackamas Fish Hatcher	WLTASE03CFH03254223	1.29 T	1.45 JT	1.95 JT	17.2 T	0.546 T	5.51 T	1.54 JT	31.1 T	2.16 T	0.777 T	110 T	1.03 T	0.249 JT	5.14 T	22 T	46.3 T		130 T	11.2 T	384 T
RM 3.5-9.2	WLTASE03ISA03334750	0.915 JT	0.347 T	0.644 T	57.2 T	0.371 UT	6.13 JT	0.577 T	55.5 T	2.91 T	3.6 T	35.7 T	1.62 T	0.385 UT	11 T	17.4 T	58.9 T		205 T	164 T	696 T
RM 3.5-9.2	WLTASE03ISA03334751	0.967	0.896	1.72	49.5	0.1	4.92	0.555	27.2	1.92	2.39	14.9 K	0.935	0.0812 U	2.88	30.2	79.4		181	96.4	656
RM 3.5-9.2	WLTASE03ISA03354100	0.953	0.845	1.52	45.4	0.107 U	2.93	0.305	33.9	1.62	2.83	48	1.39	0.106 U	5.04	9.62	51.2		322	201	1280
RM 3.5-9.2	WLTASE03ISA03354101	0.566 K	0.864	3.47 K	48.5	0.0998 U	3.5	0.255	27.9	1.65	3.3	34.3 K	0.801	0.0992 U	2.35	11.9	51.4		177	116	604
RM 3.5-9.2	WLTASE03ISA03354102	1.8	1.25 K	4.62 K	68.3	0.134	4.87	0.504	37.8	2.25	3.65	27.8	1.86	0.0871 U	4.41	13.8	104		235	299	1000
Willamette Falls	WLTASE03WF03214300	10.5	4.26	6.25	72.6	1.2	20.4	3.53	84.8	5.94	3.51 K	288	12.4	1.1 U	42.4	121	157		357	38.7	849
Willamette Falls	WLTASE03WF03214301	17	4.79	8.32	78.7	2.01	23.4	3.99	95.9	6.31	4.42	294	10.5 K	1.25 U	44.5	158	202		461	45.1	1060
Willamette Falls	WLTASE03WF03214302	14.1	6.6	16.7 K	87.6	2.63 U	26.6	4.82 K	101	6.1	5.04	540	19.3 K	2.53 U	62.4	147	185		405	55.3	1030
Willamette Falls	WLTASE03WF03214303	9.55	3.81	4.61	96.1	1.27	19.5	3.15	78.4	5.41	3.24	351	11.1	0.871	56.5	130	179		380	59.2	969

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	PCB021_033	38444-85-8	55720-44-0	55702-45-9	55712-37-3	PCB026_029	38444-76-7	7012-37-5	16606-02-3	38444-77-8	38444-86-9	37680-68-5	37680-69-6	38444-87-0	38444-90-5	53555-66-1	38444-88-1	PCB040_041_071	36559-22-5	70362-46-8
	Chemical Name	PCB021 & 033	PCB022	PCB023	PCB024	PCB025	PCB026 & 029	PCB027	PCB028	PCB031	PCB032	PCB033	PCB034	PCB035	PCB036	PCB037	PCB038	PCB039	PCB040 & 041 & 071	PCB042	PCB043
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
08R010	LWG0108R010TSSBWBC30	504 J	423	3.83 U	13	150	411 J	163		1360	391		9.99	2.31 U	3.87 U	131	2.88 U	3.8 U	2210 J	1090	189
08R032	LWG0108R032TSSBWBC00	690 J	637	2.22	12.8	167	461 J	121		1870	453		9.9	0.401 U	0.395 U	169	3.07	23.5	2260 J	1320	206
09R002	LWG0109R002TSCRWBC00	64.5 J	33.9	7.1 U	9.17 U	21.3	80 J	9.4		158	23.6		5.8 U	4.28 U	7.18 U	278	5.34 U	7.04 U	40.4 J	25.4	13.7 U
09R002	LWG0109R002TSSPWBC00	1170 J	782	3.94	25.3	222	728 J	226		2560	879		18.4	0.788 U	198	122	1.99 J	15.2	1720 J	796	138
09R006	LWG0109R006TSSBWBC00	1910 J	1630	6.57	33.4	312	1050 J	210		4240	1030		24.5	19.3 J	293	366	10.1	48.8	4410 J	3000	466
20R001	LWG0120R001TSBBWBC10	11.9 U	32.3	7.22 U	9.33 U	5.73 U	18.3 J	7.05 U		65.6	10.8		5.91 U	4.36 U	7.31 U	8.3 U	5.44 U	7.17 U	72.7 J	33.4	13.9 U
20R001	LWG0120R001TSBBWBC20	13.9 J	42.5	6.81 U	8.8 U	5.4 U	19.7 J	6.64 U		68.8	15.4		5.57 U	4.11 U	6.89 U	7.83 U	5.12 U	6.76 U	83.8 J	48.5	13.1 U
20R001	LWG0120R001TSSBWBC10	126 J	117	7.16 U	9.25 U	35.6	90.2 J	30.2		335	81.4		5.86 U	4.32 U	7.24 U	66.1	5.39 U	7.1 U	297 J	178	53.2
20R001	LWG0120R001TSSBWBC20	188 J	180	7.01 U	9.05 U	46.8 J	132 J	36.2		504	116		5.73 U	4.22 U	7.09 U	95.9	5.27 U	6.95 U	534 J	361	110 J
20R001	LWG0120R001TSSBWBC30	316 J	258	7.02 U	9.07 U	72.3	207 J	46.4		716	158		5.74 U	4.23 U	7.1 U	121	5.28 U	10.9	897 J	530	109
28R001	LWG0128R001TSBBWBC00	11.4 UT	39 T	6.89 UT	8.91 UT	5.46 UT	17.5 JT	6.73 UT		73.3 T	11 T		5.64 UT	4.16 UT	6.97 UT	7.92 UT	5.19 UT	6.84 UT	76.2 JT	53.7 T	13.3 UT
28R001	LWG0128R001TSSBWBC10	77.6 JT	98.5 T	3.48 UT	4.5 UT	27.5 T	69.4 JT	11.8 T		280 T	50.5 T		2.85 UT	2.1 UT	9.09 UT	27.2 T	2.62 UT	4.38 JT	453 JT	300 T	32.4 T
28R001	LWG0128R001TSSBWBC20	69.6 J	90.4	3.78 U	4.89 U	21.9	58.4 J	9.55		270	45.4		3.09 U	2.28 U	11.2 U	24	2.85 U	4	355 J	258	26.5
28R001	LWG0128R001TSSBWBC30	70.6 J	88.5	3.79 U	4.9 U	25.7	61.2 J	12.5		303	44.3		3.1 U	2.29 U	3.84 U	23.4	2.86 U	3.77 U	331 J	232	28
FZ0306	LWG01FZ0306TSBBWBC10	79.4 J	213	3.9 U	5.04 U	18	85.9 J	40.1		275	122		4.58	2.35 U	3.94 U	18.9	2.93 U	4.43	447 J	230	44.5
FZ0306	LWG01FZ0306TSBBWBC20	182 J	449	3.7 U	11.3	24.9	157 J	65.7		362	228		8.69	3.84	63.9	25	2.78 U	7.1	906 J	482	110
FZ0306	LWG01FZ0306TSBBWBC30	454 J	512	3.88 U	13.6	79.7	253 J	90.9		981	337		6.93	3.2 U	3.93 U	95.5	2.92 U	6.18	698 J	405	99.9
FZ0306	LWG01FZ0306TSBCWBC10	365 J	412	7.19 U	10.2 J	115	252 J	80		1170	261		7.97	4.33 U	7.27 U	280	5.41 U	11.2	760 J	446	72
FZ0306	LWG01FZ0306TSBCWBC20	488 J	475	7.12 U	14.2	117	258 J	109		1190	363		5.85	5.62 U	7.2 U	282	5.36 U	10.4	874 J	519	113
FZ0306	LWG01FZ0306TSCPWBC10	1020 J	1250	5.41	27	343	935 J	285		3920	999		29.2	2.38 U	3.99 U	178	2.97 U	30.7	2340 J	1530	422
FZ0306	LWG01FZ0306TSCPWBC20	1970 J	1060	8.18 J	5.01 U	5290	5950 J	18900		6610	21000		72.1	2.34 U	3.92 U	139	59.3	65.9	25000 J	5220	1140
FZ0306	LWG01FZ0306TSCPWBC30	361 J	391	3.92 U	6.73	108	285 J	82.5		1330	247		9.61 J	3.2	3.96 U	88	3.75	17.7	1570 J	945	180
FZ0609	LWG01FZ0609TSBBWBC10	134 J	404	3.9 U	11.6	37.5	207 J	66.5		633	209		9.32	2.35 U	3.95 U	26.5	2.94 U	4.95	822 J	391	116
FZ0609	LWG01FZ0609TSBBWBC20	183 J	494	3.9 U	10.5	41.1	222 J	68		639	276		11.3	3.29	3.95 U	28.5	2.94 U	7.58	1100 J	496	111
FZ0609	LWG01FZ0609TSBBWBC30	292 J	969	3.68 U	16.5	53.5	383 J	95.4		913	407		20.4	5.85	109	42.2	2.77 U	14.7	1640 J	854	234
FZ0609	LWG01FZ0609TSBCWBC10	197 J	252	3.88 U	5.27	93.5	202 J	60.8		903	180		4.05	2.34 U	72	124	2.92 U	5.56	716 J	499	76.5
FZ0609	LWG01FZ0609TSBCWBC20	569 J	1180	3.58 U	11.7	558	1240 J	309		4680	1240		18.4	5.33	261	595	3.67	27.2	2730 J	1970	245
FZ0609	LWG01FZ0609TSCPWBC10	578 J	567	2.03	15.8	223	485 J	320		1700	567		14.8	0.745 U	0.684 U	71.2	1.3 J	11.9	1870 J	999	135
FZ0609	LWG01FZ0609TSCPWBC20	735 J	861	6.67 U	14.5	288	662 J	230		2570	533		18.9	4.02 U	6.75 U	172	6.4	21.9	2150 J	1210	235
FZ0609	LWG01FZ0609TSCPWBC30	571 J	538	3.7 U	4.78 U	366	519 J	544		1730	764		13.6	2.23 U	3.74 U	72.9	8.2	17.8	3150 J	1330	221
WR-PG-Ref03	WLCDRD050184G								730	730		770 U				140 U					
WR-PG-Ref03	WLCDRD050187G								120 U	120 U		500 U				140 U					
WR-VC-11	WLCDRD05WRVC011Clam								620	470 J		500 U				140 U					
WR-VC-11	WLCDRD05WRVC011Worm								1100	650		71 U				900 NJ					
WR-VC-28	WLCDRD05WRVC028Clam								970	660 U		590 U				140 U					
WR-VC-28	WLCDRD05WRVC028Worm								2400 J	1400		720 U				650 U					
WR-VC-29	WLCDRD05WRVC029Clam								1000	770		1200 NJ				140 U					
WR-VC-29	WLCDRD05WRVC029Worm								870	530 J		110 U				360 U					
WR-VC-43	WLCDRD05WRVC043Clam								600	470 J		500 U				140 U					
WR-VC-43	WLCDRD05WRVC043Worm								980	620		71 U				440 U					
WR-VC-46	WLCDRD05WRVC046Clam								570 J	510		500 U				140 U					
WR-VC-46	WLCDRD05WRVC046Worm								2700	1600		840 U				3600 NJ					
WR-VC-57	WLCDRD05WRVC057Clam								660	540		500 U				140 U					
WR-VC-57	WLCDRD05WRVC057Worm								2400	1600		500 U				1300 J					
WR-VC-66	WLCDRD05WRVC066Clam								840	690		500 U				140 U					
WR-VC-66	WLCDRD05WRVC066Worm								2500	1600		500 U				530 U					
WR-VC-72	WLCDRD05WRVC072Clam								1300 J	790		660 NJ				140 U					
WR-VC-72	WLCDRD05WRVC072Worm								4500	3600		500 U				990 U					
WR-VC-108	WLCDRD05WRVC108Clam								1600	870		1500 NJ				690 NJ					
WR-VC-108	WLCDRD05WRVC108Worm								8000	4900		1600 U				1600 U					
WR-VC-118	WLCDRD05WRVC118Clam								1000	780 J		1400 NJ				400 J					
WR-VC-118	WLCDRD05WRVC118Worm								840	610		71 U				1100 J					
Clackamas Fish Hatcher	WLTASE03CFH03254200	72.4	61.6	0.777 K	1.35 K	11.9	42.9	4.92		266	14		2.16	0.387 U	0.346 U	6.73	0.37 K	2.88 U	125	59.2	10.8
Clackamas Fish Hatcher	WLTASE03CFH03254201	74.5	58.7	1.01 K	1.89	11.7	40.6	5.53		256	13.3		2.24	0.188 U	0.544 K	7.28	0.522 K	2.58	108	39.8	11.7
Clackamas Fish Hatcher	WLTASE03CFH03254202	61.7	47.2	0.797	1.14 K	9.13	31.5	2.71 K		194	8.68		1.49 K	0.258 U	0.375 K	5.78	0.33 K	2.25	65.3	19.4	6.54
Clackamas Fish Hatcher	WLTASE03CFH03254210	54.4 T	42 T	0.813 JT	1.48 JT	9.15 T	31.3 T	3.99 T		193 T	11.5 T		2.19 JT	0.34 UT	0.31 UT	5.43 T	0.313 UT	1.71 JT	95 T	47.5 T	11.9 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	65.8	49.8	0.499 K	1.31	9.86	36	3.57		218	9.58		1.83	0.527 U	0.61 K	6.66	0.489 U	2.42 K	88.2	30.4	7.87
Clackamas Fish Hatcher	WLTASE03CFH03254212	53.1	39.7	0.569	1	7.78	28	2.49		168	8.99		1.54 K	0.326 U	0.363	4.74	0.302 U	1.75 K	56.6	16.4	6.57
Clackamas Fish Hatcher	WLTASE03CFH03254220	86.4 T	70.2 T	1.18 JT	2.14 JT	14.8 T	50.8 T	5.02 JT		306 T	17.1 T		2.55 T	0.219 UT	0.754 T	9.54 T	0.604 JT	3.47 T	111 T	42.8 T	12.1 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	89.9	61.2	1.05	2.37	15.3	55.1	6.58		329	17.9		3	0.131	0.596	8.82	0.466	3.22	126	49.8	12.7
Clackamas Fish Hatcher	WLTASE03CFH03254222	88.3	67.7	1.06	1.92	13.5	51.3	4.24		320	14.7		2.53	0.559 U	0.584 K	8.06	0.518 U	4.15 K	113	36.6	10.4
Clackamas Fish Hatcher	WLTASE03CFH03254223	92.3 T	71.5 T	1.03 T	2.48 JT	15.6 T	55.2 T	6.1 T		340 T	21.2 T		3.15 T	0.221 T	0.863 JT	9.46 T	0.514 JT	3.01 JT	130 T	39.2 T	12.9 T
RM 3.5-9.2	WLTASE03ISA03334750	46.1 T	61.9 T	0.249 JT	1.64 JT	18.3 T	33.3 T	30.7 T		397 T	98.3 T		2.88 T	0.234 UT	0.202 UT	19.5 T	0.571 JT	1.43 JT	157 T	68.6 T	38.8 T
RM 3.5-9.2	WLTASE03ISA03334751	56.9	69.2	0.346	1.63	15.8	46.7	32.5		239	73.2		2.76	0.123 U	0.11 U	3.79	0.605	3.73	265	168	42
RM 3.5-9.2	WLTASE03ISA03354100	42.5	106	0.17 U	1.21	24.7	59.7	39.7		718	143		5.31	0.19 U	0.169 U	10.5	0.176 U	4.24	356	146	74.1
RM 3.5-9.2	WLTASE03ISA03354101	27.9	56	0.162 K	0.95	15.1	35.5	33.5		236	68		2.84	0.128 U	0.114 U	8.1	0.119 U	2.06	170	100	39.1
RM 3.5-9.2	WLTASE03ISA03354102	80.3	81.4	0.255 K	1.43	61.3	52.7	72.1		419	182		4.11	0.115 U	0.105 U	10.1	0.11 U	2.78	672	163	63.5
Willamette Falls	WLTASE03WF03214300	197	191	2.44	5.64	36.8	119	26.3		708	59.1		5.49	1.62 K	1.86 K	30.8	1.03 K	7.75 K	422	254	45.2
Willamette Falls	WLTASE03WF03214301	236	221	3.09 K	7.31	43.5	136	34.4		833	72.2		6.2	0.938 K	1.13 K	31.7	0.805 K	7.57	466	291	47.9
Willamette Falls	WLTASE03WF03214302	226	246	2.74	6.7 K	43.9	129	34.2		785	78.2		5.91 K	2.93 K	3.02	45.2	1.05 U	9.05	477	297	49.8
Willamette Falls	WLTASE03WF03214303	197	233	2.26	5.66	40.1	126	31.3		783	71.4		5.57	2.05	2.13	42.8	0.673	8.3	466	305	45.7

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	41464-39-5	PCB044_047_065	PCB045_051	41464-47-5	70362-47-9	41464-40-8	PCB049_069	PCB050_053	35693-99-3	15968-05-5	74338-24-2	41464-43-1	70424-67-8	41464-49-7	PCB059_062_075	33025-41-1	PCB061_070_074_	74472-34-7	52663-58-8
	Chemical Name	PCB044	PCB044 & 047 & 065	PCB045 & 051	PCB046	PCB048	PCB049	PCB049 & 069	PCB050 & 053	PCB052	PCB054	PCB055	PCB056	PCB057	PCB058	PCB059 & 062 & 075	PCB060	PCB061 & 070 & 074 & 076	PCB063	PCB064
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																			
08R010	LWG0108R010TSSBWBC30		15400 J	1440 J	111	843		8190 J	1120 J	10500	156	5.16 U	944	25.6	5.88 U	522 J	1390	8310 J	414	2030
08R032	LWG0108R032TSSBWBC00		10600 J	997 J	127	998		7090 J	857 J	10500	106	1.94 U	1360	39	24.6	624 J	2270	10900 J	585	3010
09R002	LWG0109R002TSCRWBC00		256 J	34.1 J	9.33 U	18.4		99.3 J	32.6 J	122	7.9 U	8.8 U	35.6	8.89 U	10.9 U	19.9 U	95.4	762 J	60.4	26.5
09R002	LWG0109R002TSSFWBC00		10300 J	1060 J	83	637		7070 J	601 J	12900	126	1.25 U	705	19.4	12.5	381 J	1090	8080 J	289	2350
09R006	LWG0109R006TSSBWBC00		17100 J	1480 J	269	2280		11500 J	1220 J	18200	83.2	144	2740	70.9	575	1200 J	4130	22500 J	1020	5350
20R001	LWG0120R001TSBBWBC10		260 J	21.9 U	9.5 U	16.9		133 J	22 U	157	8.04 U	8.96 U	60.9	9.05 U	11.1 U	20.5 J	93.9	450 J	27.5	113
20R001	LWG0120R001TSBBWBC20		466 J	20.7 U	8.95 U	31.5		164 J	20.8 U	229	7.58 U	8.44 U	65	8.53 U	10.5 U	33.8 J	207	716 J	52.5	145
20R001	LWG0120R001TSSBWBC10		1090 J	79.6 J	17.8	145		739 J	66.6 J	1260	7.97 U	8.88 U	169	8.97 U	11 U	85.1 J	384	2190 J	117	419
20R001	LWG0120R001TSSBWBC20		2320 J	147 J	28.9	268		1680 J	121 J	2780	7.8 U	8.69 U	371	15 J	11.1	187 J	1000	4650 J	227	879
20R001	LWG0120R001TSSBWBC30		3810 J	339 J	45.3	401		2640 J	267 J	4000	34.5	8.7 U	542	15.9 J	10.8 U	270 J	975	5090 J	250	1230
28R001	LWG0128R001TSBBWBC00		274 JT	20.9 UT	9.06 UT	25 T		148 JT	21 UT	156 T	7.67 UT	8.55 UT	64.1 T	8.64 UT	10.6 UT	21.1 JT	80.2 T	397 JT	21.4 T	118 T
28R001	LWG0128R001TSSBWBC10		1290 JT	90.2 JT	24.2 T	188 T		997 JT	80.1 JT	1420 T	3.87 UT	4.31 UT	341 T	6.14 JT	6.58 T	98.3 JT	361 T	2490 JT	97.6 T	581 T
28R001	LWG0128R001TSSBWBC20		1080 J	74.3 J	19	160		857 J	65 J	1260	4.21 U	4.69 U	302	7.1	7.85	85.6 J	312	2350 J	91.3	513
28R001	LWG0128R001TSSBWBC30		1010 J	74.8 J	18.7	156		790 J	70.9 J	1160	4.22 U	7.87	256	5.62	5.83 U	80.4 J	249	2080 J	78.8	453
FZ0306	LWG01FZ0306TSBBWBC10		1650 J	94.7 J	35.3	122		790 J	43.8 J	992	36.2	4.83 U	357	6.26	5.99 U	115 J	391	1440 J	83.1	538
FZ0306	LWG01FZ0306TSBBWBC20		3540 J	226 J	65.7	300		1920 J	105 J	3360	54	4.58 U	586	11.6	12.4	270 J	774	3080 J	202	1290
FZ0306	LWG01FZ0306TSBBWBC30		2450 J	205 J	66.1	256		1360 J	117 J	2620	33.4	4.82 U	422	12.7	5.97 U	202 J	575	2690 J	166	943
FZ0306	LWG01FZ0306TSBCWBC10		2200 J	295 J	61.1	268		1420 J	226 J	2530	46	8.91 U	683	14.7 J	13.5 J	207 J	528	3790 J	136	855
FZ0306	LWG01FZ0306TSBCWBC20		2520 J	396 J	82.9	312		1610 J	300 J	2770	72	8.82 U	730	10.6	10.9 U	232 J	531	3630 J	116	950
FZ0306	LWG01FZ0306TSCPWBC10		9130 J	1070 J	158	1060		6430 J	1080 J	11000	75.6	4.89 U	2220	40.7	30.8	663 J	1700	14900 J	502	2830
FZ0306	LWG01FZ0306TSCPWBC20		195000 J	36500 J	2570	2500		93600 J	104000 J	150000	27200	11 U	2750	276	10.9 U	4840 J	2370	25000 J	707	6500
FZ0306	LWG01FZ0306TSCPWBC30		5220 J	558 J	76.2	580		3870 J	559 J	6210	67.6	4.86 U	1510	26.7	25.8	425 J	1140	9060 J	308	1990
FZ0609	LWG01FZ0609TSBBWBC10		7940 J	203 J	55.1	240		2820 J	136 J	3840	56.7	6.85 U	628	22.8	6.55 U	286 J	665	3200 J	222	953
FZ0609	LWG01FZ0609TSBBWBC20		4380 J	266 J	80.8	313		2300 J	143 J	3450	72.7	4.84 U	838	15.5	239	267 J	715	4090 J	173	1240
FZ0609	LWG01FZ0609TSBBWBC30		6660 J	409 J	114	580		3220 J	189 J	3760	85.2	4.56 U	1410	29.4	24.2	470 J	1610	5580 J	370	2210
FZ0609	LWG01FZ0609TSBCWBC10		3110 J	365 J	43.5	224		2190 J	274 J	3570	53	4.82 U	895	13.7	13.6	232 J	641	5750 J	194	903
FZ0609	LWG01FZ0609TSBCWBC20		11000 J	1140 J	134	798		7390 J	795 J	11900	113	5.81 U	3810	69.8	32.2	816 J	2870	20100 J	784	2960
FZ0609	LWG01FZ0609TSCPWBC10		8980 J	1490 J	125	520		5840 J	1640 J	7880	181	4.57 U	1160	21.5	16.7	421 J	851	6750 J	239	1630
FZ0609	LWG01FZ0609TSCPWBC20		8590 J	1200 J	106	739		7310 J	1600 J	11600	218	8.27 U	1980	41.3	32.5 J	601 J	1430	10900 J	355	2820
FZ0609	LWG01FZ0609TSCPWBC30		17000 J	2970 J	239	633		10600 J	5160 J	17500	888	4.58 U	1420	38.1	5.68 U	745 J	1020	9860 J	310	2170
WR-PG-Ref03	WLCDRD050184G	690 NJ					310 J			220 U			190 U				500 U			
WR-PG-Ref03	WLCDRD050187G	140 U					210 J			230 U			190 U				400 U			
WR-VC-11	WLCDRD05WRVC011Clam	620					290 J			570			190 U				500 U			
WR-VC-11	WLCDRD05WRVC011Worm	1900					2400			2900			680 NJ				500 U			
WR-VC-28	WLCDRD05WRVC028Clam	710					370 J			580			190 U				500 U			
WR-VC-28	WLCDRD05WRVC028Worm	3300 J					4100			5600			1200				1400 U			
WR-VC-29	WLCDRD05WRVC029Clam	730					320 J			620			190 U				500 U			
WR-VC-29	WLCDRD05WRVC029Worm	1500 J					1500			2100			440 J				150 U			
WR-VC-43	WLCDRD05WRVC043Clam	630					290 J			730			190 U				410 U			
WR-VC-43	WLCDRD05WRVC043Worm	1400					1800			2400			490 NJ				500 U			
WR-VC-46	WLCDRD05WRVC046Clam	700 J					380 J			710			190 U				440 U			
WR-VC-46	WLCDRD05WRVC046Worm	2700 J					3900			5000			1000 J				1400 U			
WR-VC-57	WLCDRD05WRVC057Clam	750					490 J			770			190 U				530 U			
WR-VC-57	WLCDRD05WRVC057Worm	4100					7100			8500			1500 U				2300 U			
WR-VC-66	WLCDRD05WRVC066Clam	880					530			990			190 U				530 U			
WR-VC-66	WLCDRD05WRVC066Worm	3800 J					4500			5500			800 J				700 U			
WR-VC-72	WLCDRD05WRVC072Clam	840					460 J			830			190 U				500 U			
WR-VC-72	WLCDRD05WRVC072Worm	6700 J					7100			9600			1800 U				1600 U			
WR-VC-108	WLCDRD05WRVC108Clam	1300					940			1900			190 U				660 U			
WR-VC-108	WLCDRD05WRVC108Worm	12000					14000			23000			3900				3100 U			
WR-VC-118	WLCDRD05WRVC118Clam	690					350 J			830			190 U				500 U			
WR-VC-118	WLCDRD05WRVC118Worm	1200 J					1800			2400			560 NJ				2000 U			
Clackamas Fish Hatcher	WLTASE03CFH03254200		433	25.1	2.48 K	18.4		196	21.5	639	0.472 K	0.9 U	51.5	3.02	3.17	31	109	781	22.9	140
Clackamas Fish Hatcher	WLTASE03CFH03254201		356	17.9	2.92	23.8		190	24.9	599	0.799	4.23 U	38.6	4.1 U	4 U	29.3	84.6	631	20.1	118
Clackamas Fish Hatcher	WLTASE03CFH03254202		263	16.3	1.74	21		135	17.4	403	0.651 K	3.02	32.3	2.23	1.22 K	18	57.5	457	13.4	69.2
Clackamas Fish Hatcher	WLTASE03CFH03254210		313 T	13.4 T	2.76 JT	16.4 T		162 T	17.9 T	543 T	0.343 JT	1.94 UT	35.9 T	2.19 JT	1.83 UT	26.7 T	80.1 T	603 T	18.7 T	111 T
Clackamas Fish Hatcher	WLTASE03CFH03254211		281	13	2.19 K	18.6		154	17	475	0.525	0.699 U	36	2.4 K	0.667 U	22.4	73.2	586	16.4	91.2
Clackamas Fish Hatcher	WLTASE03CFH03254212		219	13.6	1.7	18.3		120	17.9	363	0.419 K	0.614 U	23.8	1.88	0.654	16.6	43	342	10.4	60.1
Clackamas Fish Hatcher	WLTASE03CFH03254220		420 T	24 T	3.41 JT	32.5 T		243 T	31.5 T	743 T	0.576 JT	4.99 T	49.5 T	3.51 T	1.67 T	33 T	95.5 T	737 T	23.6 T	130 T
Clackamas Fish Hatcher	WLTASE03CFH03254221		466	26.8	3.42	38.9		284	33.7	841	0.424	3.93	50.1	3.5	2.62	38.8	96	849	28.4	153
Clackamas Fish Hatcher	WLTASE03CFH03254222		412	19.1	2.87	29.1		231	24.1	691	0.517 K	4.13	45.7	3.73	1.37	32.2	104	791	24.5	129
Clackamas Fish Hatcher	WLTASE03CFH03254223		491 T	27.1 T	3.41 T	34 T		269 T	35.3 T	862 T	0.723 T	3.31 T	48.4 T	3.71 T	2.02 T	38.3 T	101 T	836 T	29.1 T	158 T
RM 3.5-9.2	WLTASE03ISA03334750		1350 T	182 T	14.9 T	51 T		1000 T	346 T	1980 T	30 T	2.37 UT	24.6 T	2.29 UT	2.25 UT	76.6 T	330 T	1550 T	88.6 T	481 T
RM 3.5-9.2	WLTASE03ISA03334751		1480	141	19.3	119		678	198	1650	16.5	1.5 U	78.1	2.45	2.19	97.1	315	1450	84.1	440
RM 3.5-9.2	WLTASE03ISA03354100		2810	274	26.1	111		1970	431	3890	41.5	5.23 U	51	7.57	5.17 U	162	734	4000	234	1110
RM 3.5-9.2	WLTASE03ISA03354101		1520	137	17.7	60.7		593	263	1790	23.1	0.567 U	38.3	2.68	3.13	86.9	281	1520	80.8	366
RM 3.5-9.2	WLTASE03ISA03354102		11000	1330	36.9	68.9		4310	1550	6760	83	0.603 U	97.2	5.34	0.576 U	232	427	2770	167	782
Willamette Falls	WLTASE03WF03214300		1120	88.7	28	165		748	89.9	1700	1.64	2.34 U	175	10.6	2.23 U	83.2	268	2270	81.3	353
Willamette Falls	WLTASE03WF03214301		1300	113	33.7	197		880	108	1940	1.92 K	2.17 U	180	10.3	2.07 U	96.1	312	2530	91.5	401
Willamette Falls	WLTASE03WF03214302		1280	112	35.3	179		825	103	1840	3.44	9.19 U	211	10	8.79 U	89.6	329	2440	84.4	413
Willamette Falls	WLTASE03WF03214303		1200	111	33.8	190		893	107	1990	3.61	3.39 U	273	11.5	53.6	87.3	363	2520	100	389

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	32598-10-0	73575-53-8	73575-52-7	32598-11-1	41464-42-0	74338-23-1	32690-93-0	32598-13-3	70362-49-1	41464-48-6	33284-52-5	70362-50-4	52663-62-4	PCB083_099	52663-60-2	PCB085_116_117	PCB086_087_097_	38380-02-8	PCB088_091	73575-57-2
	Chemical Name	PCB066	PCB067	PCB068	PCB070	PCB072	PCB073	PCB074	PCB077	PCB078	PCB079	PCB080	PCB081	PCB082	PCB083 & 099	PCB084	PCB085 & 116 & 117	PCB086 & 087 & 097 & 108 & 119 & 125	PCB087	PCB088 & 091	PCB089
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
08R010	LWG0108R010TSSBWBC30	7780	144	207		182	117		269	5.02 U	139	5.97 U	14.3	657	36300 J	1940	3860 J	18200 J		4370 J	63.3
08R032	LWG0108R032TSSBWBC00	11500	152	114		176	0.632 U		308	1.96 U	85.5	1.83 U	14.3	674	19700 J	1510	4660 J	8910 J		2270 J	67.1
09R002	LWG0109R002TSCRWBC00	966	12.7 U	24.5		9.64 U	11.5 U		103	7.53 U	6.67	11.1 U	4.12	10.4 U	908 J	17.1	103 J	139 J		32.1 J	8.77 U
09R002	LWG0109R002TSSPWBC00	7030	93.1	46.2		82.6	67.1		197	1.25 U	122	1.24 U	9.86	596	26800 J	1020	6060 J	12500 J		2390 J	59.6
09R006	LWG0109R006TSSBWBC00	19500	273	131		218	6.29 U		618	20.2	254	6.06 U	56.9	1510	24500 J	2830	7180 J	14900 J		3050 J	115
20R001	LWG0120R001TSBBWBC10	446	13 U	9.49 U		9.81 U	11.7 U		14.4 U	7.67 U	11.2	11.3 U	1.99	78.7	623 J	141	235 J	544 J		55.7 J	8.93 U
20R001	LWG0120R001TSBBWBC20	980	12.2 U	8.95 U		10.3	11 U		13.6 U	7.23 U	11.1	10.6 U	3	80.4	878 J	117	446 J	664 J		79.3 J	8.41 U
20R001	LWG0120R001TSSBWBC10	2110	24.6	21.3		30.6 J	11.6 U		89	7.6 U	24.1	11.2 U	4.31	125	4590 J	204	1220 J	1440 J		218 J	8.85 U
20R001	LWG0120R001TSSBWBC20	4330	40.8 J	31.2 J		52.6	11.3 U		156	7.44 U	56.3	10.9 U	6.95	330	9130 J	490	2610 J	3610 J		516 J	20.6
20R001	LWG0120R001TSSBWBC30	4520	55.2	50.5		64.4	11.4 U		211	7.45 U	72.3	11 U	11.6	397	8310 J	707	2190 J	4090 J		15.8 U	21.3
28R001	LWG0128R001TSBBWBC00	392 T	12.4 UT	9.06 UT		9.36 UT	11.2 UT		13.7 UT	7.32 UT	10.3 JT	10.8 UT	1.66 T	59 T	512 JT	104 T	195 JT	413 JT		51.5 JT	8.52 UT
28R001	LWG0128R001TSSBWBC10	2090 T	25 T	22.2 T		29 T	5.63 UT		79.8 T	3.69 UT	44.8 T	47.7 UT	5.4 T	373 T	4170 JT	556 T	1270 JT	3110 JT		497 JT	24.2 T
28R001	LWG0128R001TSSBWBC20	1860	25.9	22.5		29.1	6.13 U		65.2	4.02 U	40	62.8 U	4.4	337	4070 J	494	1200 J	2990 J		473 J	21.5
28R001	LWG0128R001TSSBWBC30	1510	22.2	18.7		22.7	6.14 U		60.7	4.03 U	31	5.92 U	4.18	236	2950 J	355	836 J	2180 J		332 J	14.2
FZ0306	LWG01FZ0306TSBBWBC10	1850	10.2	26.4		30.3	6.31 U		24.9	4.14 U	39.2	6.09 U	8.36	255	2030 J	405	663 J	1650 J		251 J	15.5
FZ0306	LWG01FZ0306TSBBWBC20	4220	18.5	47		49.6	59.4		28.2	64	58.3	5.77 U	10.8	338	5880 J	738	1440 J	3600 J		660 J	30.3
FZ0306	LWG01FZ0306TSBBWBC30	3060	30.3	41		48.6	6.29 U		64.3	4.12 U	45.6	6.06 U	11.7	267	6560 J	534	1920 J	2560 J		451 J	16.3 J
FZ0306	LWG01FZ0306TSBCWBC10	2570	66	34.1		44.7	11.6 U		181	7.63 U	43	11.2 U	8.81	241	3620 J	402	916 J	2090 J		395 J	14.2 J
FZ0306	LWG01FZ0306TSBCWBC20	2480	54.5	22.9 J		33.7	11.5 U		162	7.55 U	45.9	11.1 U	7.82	338	3930 J	577	1030 J	2470 J		552 J	22.6
FZ0306	LWG01FZ0306TSCPWBC10	9230	166	80.3		120	6.38 U		309	4.18 U	214	6.15 U	22.1	1560	15700 J	2890	4270 J	13600 J		2920 J	109
FZ0306	LWG01FZ0306TSCPWBC20	16500	900	1150		985	5320		311	11.3 U	726	10.1 U	21	3690	60000 J	17400	9320 J	65700 J		39100 J	423
FZ0306	LWG01FZ0306TSCPWBC30	5840	116	88.3		115	6.34 U		198	4.16 U	173	6.12 U	12.5	762	10800 J	1430	2380 J	7380 J		1690 J	54.9
FZ0609	LWG01FZ0609TSBBWBC10	4130	28.9	184		113	6.32 U		32.4	8.66	146	6.09 U	13.3	369	11000 J	784	1350 J	5390 J		930 J	21.2 J
FZ0609	LWG01FZ0609TSBBWBC20	3570	25.8	64.2		61	6.32 U		46.9	4.72	73.5	6.09 U	9.62	438	4800 J	1070	935 J	3940 J		995 J	32
FZ0609	LWG01FZ0609TSBBWBC30	7300	52.5	92		92.2	59.7		86.7	91.7	82.3	5.74 U	20.2	393	6750 J	1070	1730 J	4310 J		918 J	36
FZ0609	LWG01FZ0609TSBCWBC10	3390	93.7	53.9		66.5	6.29 U		168	4.12 U	74.5	6.06 U	13	333	5680 J	567	1210 J	5480 J		669 J	14.7
FZ0609	LWG01FZ0609TSBCWBC20	12900	345	151		198	5.8 U		685	130	149	5.59 U	36	802	11500 J	1240	2690 J	6990 J		1530 J	57.5
FZ0609	LWG01FZ0609TSCPWBC10	4700	106	153		132	0.61 U		170	4.62 U	114	4.31 U	10.1	752	13200 J	1790	2210 J	8320 J		3510 J	57.5
FZ0609	LWG01FZ0609TSCPWBC20	7000	140 J	143		172	10.8 U		303	7.08 U	213	10.4 U	21	1220	13400 J	2320	2620 J	10300 J		3150 J	54.7 J
FZ0609	LWG01FZ0609TSCPWBC30	6280	226	252		212	363		192	3.92 U	222	5.77 U	11	940	18900 J	3010	2850 J	13100 J		5540 J	73.2
WR-PG-Ref03	WLCDRD050184G	500 U			470 J			160 U	110 U				170 U						970 U		
WR-PG-Ref03	WLCDRD050187G	310 U			240 J			160 U	110 U				170 U						4400 U		
WR-VC-11	WLCDRD05WRVC011Clam	380 J			440 J			160 U	500 U				170 U						1100 U		
WR-VC-11	WLCDRD05WRVC011Worm	2000			2300			870	500 U				6700 U						25000		
WR-VC-28	WLCDRD05WRVC028Clam	430 U			320 U			160 U	500 U				1100 U						1100 U		
WR-VC-28	WLCDRD05WRVC028Worm	4200			4900			1800	720 U				13000 U						46000		
WR-VC-29	WLCDRD05WRVC029Clam	260 J			520 J			160 U	500 U				1200 U						1000		
WR-VC-29	WLCDRD05WRVC029Worm	1100 J			1300			560 J	720 U				4200 U						23000		
WR-VC-43	WLCDRD05WRVC043Clam	350 J			430 J			160 U	500 U				1200 U						930 U		
WR-VC-43	WLCDRD05WRVC043Worm	1300 J			1600			680	500 U				4200 U						18000		
WR-VC-46	WLCDRD05WRVC046Clam	470 J			460 J			190 J	820 U				1400 U						1100 U		
WR-VC-46	WLCDRD05WRVC046Worm	4200			4200			1700	840 U				8100 U						23000		
WR-VC-57	WLCDRD05WRVC057Clam	440 J			510			180 J	500 U				1300 U						940 U		
WR-VC-57	WLCDRD05WRVC057Worm	94 U			4400			2000	500 U				940 U						16000		
WR-VC-66	WLCDRD05WRVC066Clam	530 J			660			250 J	500 U				170 U						1600 U		
WR-VC-66	WLCDRD05WRVC066Worm	3700			4800			2000	500 U				9500 U						49000		
WR-VC-72	WLCDRD05WRVC072Clam	340 J			600 J			160 U	500 U				1100 U						1300 U		
WR-VC-72	WLCDRD05WRVC072Worm	6700			8700			3500	500 U				170 U						41000		
WR-VC-108	WLCDRD05WRVC108Clam	800 J			1100			360 J	500 U				1700 U						1200 U		
WR-VC-108	WLCDRD05WRVC108Worm	11000 J			16000			5400	1600 U				32000 U						26000		
WR-VC-118	WLCDRD05WRVC118Clam	360 NJ			510 J			160 U	500 U				1000 U						1100 U		
WR-VC-118	WLCDRD05WRVC118Worm	1600 J			1800			700	500 U				170 U						18000		
Clackamas Fish Hatcher	WLTASE03CFH03254200	352	7.11	27.3		8.27	0.164 U		6.45	0.887 U	9.85	0.891	0.404 K	52.9	680	75	189	454		74.1	4.53 K
Clackamas Fish Hatcher	WLTASE03CFH03254201	282	6.94	14		6.52	0.065 U		5.48	4.21 U	7.87	3.83 U	0.418	46.5	601	76.5	162	417		67.2	4.18
Clackamas Fish Hatcher	WLTASE03CFH03254202	199	5.59	14.7		5.02	1.74 K		5.71	0.585 U	5.42	0.529 U	0.526	27.7	348	45.2	97.3	250		36.3	2.38 K
Clackamas Fish Hatcher	WLTASE03CFH03254210	278 T	5.06 T	14.5 T		6.54 T	0.0972 UT		4.43 T	1.93 UT	7.74 T	1.76 UT	0.303 JT	39.9 T	563 T	64.4 T	143 T	366 T		61.7 T	3.6 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	254	6.56	14.5		5.56	1.72		4.97	0.688 U	7.66	0.623 U	1.2	33.3	453	51.1	126	320		49.3	2.86 K
Clackamas Fish Hatcher	WLTASE03CFH03254212	149	4.66	9.68		3.22	0.108 U		4.29	0.605 U	3.76	0.548 U	0.287 K	21.4	276	38.9	76.8	196		30.7	2.01 K
Clackamas Fish Hatcher	WLTASE03CFH03254220	320 T	8.94 T	15.5 T		8.48 T	0.0921 UT		8.39 T	0.297 UT	9.01 T	1.3 T	0.556 JT	40 T	587 T	75.9 T	155 T	403 T		63.5 T	4.42 JT
Clackamas Fish Hatcher	WLTASE03CFH03254221	371	10.1	20.9		9.57	0.0228 U		8.75	1.35 U	9.31	1.23 U	0.889	47.1	806	89	201	548		87.7	4.58
Clackamas Fish Hatcher	WLTASE03CFH03254222	347	9.74	18.9		8.62 K	2.24		7.4	0.901 U	9.52	0.815 U	0.916 K	45.9	608	76.8	166	429		62.9	3.87 K
Clackamas Fish Hatcher	WLTASE03CFH03254223	342 T	9.27 T	23.2 T		9.29 T	0.0112 UT		7.44 T	0.356 JT	10.3 T	0.14 UT	1.58 T	45.6 T	756 T	78.7 T	195 T	502 T		82.4 T	4.98 T
RM 3.5-9.2	WLTASE03ISA03334750	1120 T	2 UT	27.3 T		20.5 T	0.135 UT		10.2 T	2.44 UT	11.4 T	2.18 UT	0.834 T	16.5 JT	3370 T	176 T	710 T	1170 T		392 T	3.01 T
RM 3.5-9.2	WLTASE03ISA03334751	927	8.07	20.2		15.5	13.9		10.5	1.56 U	22.8	1.42 U	3.52	85.5	3170	278	771	1390		366	8.32
RM 3.5-9.2	WLTASE03ISA03354100	2470	15.1	55.6		42.8	25.3		17.4	5.45 U	26.6	4.96 U	2.49	39.1	7840	430	1810	2880		873	7.09
RM 3.5-9.2	WLTASE03ISA03354101	1010	8.04	25.9		21.4	21.3		6.64	0.591 U	13.6	0.537 U	0.858	26.7	3110	205	737	1210		374	5.32
RM 3.5-9.2	WLTASE03ISA03354102	1950	36.6	167		87	179		16.5	0.626 U	44.6	0.563 U	3.2	91	16800	700	1960	6540		4220	10.5
Willamette Falls	WLTASE03WF03214300	1010	26.1	37.6		19.7	0.145 U		14.3	2.31 U	29.5	2.1 U	1.02	97.9	2090	149	509	1280		150	10.8
Willamette Falls	WLTASE03WF03214301	1120	25.5	40.4		23.9	0.124 U		15.6	2.14 U	29.9	1.94 U	0.976	117	2660	162	659	1560		166	11.4
Willamette Falls	WLTASE03WF03214302	1170	24.9	42.7		21.5	0.137 U		19.5	9.09 U	32.1 K	8.26 U	1.1	141	2490	223	634	1620		204	13.9
Willamette Falls	WLTASE03WF03214303	1190	27.6	45.2		24	0.0374 U		17.5	3.5 U	27.8	3.13 U	1.19	122	2860	179	605	1410		194	12.4

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	68194-07-0	PCB090_101_113	52663-61-3	PCB093_095_098_	73575-55-0	38379-99-6	73575-54-9	41464-51-1	38380-01-7	37680-73-2	60145-21-3	56558-16-8	32598-14-4	70424-69-0	PCB107_124	74472-35-8	38380-03-9	PCB110_115	39635-32-0	74472-36-9
	Chemical Name	PCB090	PCB090 & 101 & 113	PCB092	PCB093 & 095 & 098 & 100 & 102	PCB094	PCB095	PCB096	PCB097	PCB099	PCB101	PCB103	PCB104	PCB105	PCB106	PCB107 & 124	PCB109	PCB110	PCB110 & 115	PCB111	PCB112
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																				
08R.010	LWG0108R010TSSBWBC30		100000 J	15200	33800 J	190		161				1630	23.1	6300	13.4 U	464 J	3570		34500 J	174	6.81 U
08R.032	LWG0108R032TSSBWBC00		22300 J	5800	10100 J	73.1		144				588	15.6	7870	1.43 U	407 J	2130		14000 J	58.3	0.842 U
09R.002	LWG0109R002TSCRWBC00		731 J	87.8	235 J	8.91 U		11.7 U				18.1	13.5 U	356	17.7 U	34.8 U	250		104 J	15.8	12.6 U
09R.002	LWG0109R002TSSPWBC00		32500 J	6750	11900 J	33.3		116				395	10.6	11600	1.99 U	740 J	1990		25800 J	56.8	1.41 U
09R.006	LWG0109R006TSSBWBC00		29800 J	6140	14900 J	71.3		150				478	11.2	15300	9.71 U	861 J	3370		23000 J	47.6	173
20R.001	LWG0120R001TSBBWBC10		439 J	227	332 J	9.07 U		11.9 U				8.36 U	13.7 U	630	18.1 U	47.1 J	140		998 J	10.4 U	12.8 U
20R.001	LWG0120R001TSBBWBC20		703 J	416	534 J	8.55 U		11.2 U				7.88 U	12.9 U	1340	17 U	33.4 U	302		1150 J	9.83 U	12.1 U
20R.001	LWG0120R001TSSBWBC10		3300 J	731	1240 J	8.99 U		11.8 U				33.9	13.6 U	3030	17.9 U	91.1 J	604		2280 J	10.3 U	12.7 U
20R.001	LWG0120R001TSSBWBC20		8490 J	1700	3470 J	12.8		20				70.8	13.3 U	5810	17.5 U	242 J	1240		6300 J	17.5	12.5 U
20R.001	LWG0120R001TSSBWBC30		10200 J	2100	4620 J	29		38.9				168	13.3 U	4700	17.5 U	220 J	1010		7180 J	20.8 J	12.5 U
28R.001	LWG0128R001TSBBWBC00		413 JT	157 T	258 JT	8.66 UT		11.4 UT				7.98 UT	13.1 UT	454 T	17.2 UT	33.8 UT	121 T		744 JT	9.95 UT	12.3 UT
28R.001	LWG0128R001TSSBWBC10		5130 JT	908 T	2050 JT	8.51 T		9.67 T				33 T	6.61 UT	2280 T	8.7 UT	182 JT	572 T		4610 JT	6.86 T	6.19 UT
28R.001	LWG0128R001TSSBWBC20		5270 J	894	1900 J	7.89		7.83				32	7.19 U	2250	9.46 U	176 J	618		4460 J	8.09	6.73 U
28R.001	LWG0128R001TSSBWBC30		3710 J	613	1410 J	6.32		6.36				23.7	7.21 U	1520	9.49 U	125 J	454		3310 J	5.48 U	6.75 U
FZ0306	LWG01FZ0306TSBBWBC10		2150 J	774	1570 J	23.1		14.4				57.8	7.41 U	1160	9.75 U	59.6 J	384		3150 J	10.9	6.94 U
FZ0306	LWG01FZ0306TSBBWBC20		5910 J	1700	3980 J	42.9		26.8				102	7.02 U	3200	9.24 U	87.3 J	731		6360 J	12.6	6.57 U
FZ0306	LWG01FZ0306TSBBWBC30		5690 J	1670	2970 J	20.9		17.2				65.3	7.38 U	4350	9.71 U	109 J	1320		5070 J	14.7	6.91 U
FZ0306	LWG01FZ0306TSBCWBC10		4220 J	852	1990 J	15.4 J		14.5 J				65.5	13.7 U	2020	18 U	161 J	448		3330 J	10.5	12.8 U
FZ0306	LWG01FZ0306TSBCWBC20		4850 J	975	2710 J	23.1		25.2				89.5	13.5 U	1920	17.8 U	169 J	435		4080 J	10.3 U	12.7 U
FZ0306	LWG01FZ0306TSCPWBC10		24700 J	4450	13700 J	114		75.3				351	14.7	5730	9.85 U	479 J	1340		20600 J	11.2	7.01 U
FZ0306	LWG01FZ0306TSCPWBC20		244000 J	36600	209000 J	8640		5000				6480	1800	14600	106	1910 J	4210		128000 J	272	6.89 U
FZ0306	LWG01FZ0306TSCPWBC30		16800 J	3080	7550 J	73.7		44.8				296	13.6	3650	9.79 U	409 J	1110		10900 J	27.3	6.97 U
FZ0609	LWG01FZ0609TSBBWBC10		34900 J	5220	13400 J	65.5		34.5				416	9.17	3880	9.76 U	232 J	1570		7450 J	58	6.94 U
FZ0609	LWG01FZ0609TSBBWBC20		8580 J	2120	5750 J	81.5		51.3				200	9.99	2380	9.76 U	122 J	711		7770 J	17.8	6.94 U
FZ0609	LWG01FZ0609TSBBWBC30		7980 J	2600	5040 J	85.2		53.7				213	10.4	3110	9.19 U	134 J	999		7560 J	27.2	6.54 U
FZ0609	LWG01FZ0609TSBCWBC10		7470 J	1470	3220 J	27.2		21.6				135	7.38 U	2270	9.71 U	210 J	668		4500 J	9.24	6.91 U
FZ0609	LWG01FZ0609TSBCWBC20		14500 J	2840	6880 J	69.5		60				261	8.36	4930	8.95 U	407 J	1230		8730 J	14.1	6.37 U
FZ0609	LWG01FZ0609TSCPWBC10		22100 J	5000	12200 J	235		153				960	39.1	3120	1.58 U	329 J	1320		12600 J	53	2.25 U
FZ0609	LWG01FZ0609TSCPWBC20		24900 J	4780	14700 J	197		116				736	39.7	5700	22.5 U	524 J	1430		17500 J	47.2	11.9 U
FZ0609	LWG01FZ0609TSCPWBC30		47300 J	8180	30100 J	746		376				1550	99.1	4370	9.24 U	474 J	1690		23500 J	70.2	6.57 U
WR-PG-Ref03	WLCDRD050184G	660 U					440 J		500 U	360 U	1900 J			100 U				1200			
WR-PG-Ref03	WLCDRD050187G	250 U					480 J		500 U	570	680			100 U				740			
WR-VC-11	WLCDRD05WRVC011Clam	1100 U					510		500 U	490 J	1100 U			350 U				950 U			
WR-VC-11	WLCDRD05WRVC011Worm	120 U					4400		1500 U	3200	6100			760 U				6800			
WR-VC-28	WLCDRD05WRVC028Clam	670 U					550		500 U	340 U	1300 J			500 U				1000			
WR-VC-28	WLCDRD05WRVC028Worm	4300 U					8100		2900 NJ	5300	13000			1400 U				17000 J			
WR-VC-29	WLCDRD05WRVC029Clam	120 U					510		500 U	440 J	940 J			340 J				950			
WR-VC-29	WLCDRD05WRVC029Worm	180 U					2700		750 U	1800	3900			720 U				3800			
WR-VC-43	WLCDRD05WRVC043Clam	1000 U					560		500 U	510	1100 U			370 J				930 U			
WR-VC-43	WLCDRD05WRVC043Worm	870 U					3300		770 U	2100	4200			1200 U				3700			
WR-VC-46	WLCDRD05WRVC046Clam	1000 U					580		500 U	470 J	1200 U			500 U				1200 U			
WR-VC-46	WLCDRD05WRVC046Worm	7500 U					5700		2200 NJ	4500	9100			3200 U				11000 J			
WR-VC-57	WLCDRD05WRVC057Clam	1200 U					820		500 U	550	1300 U			360 J				1200 U			
WR-VC-57	WLCDRD05WRVC057Worm	3500 U					13000		2800 U	7700	15000			100 U				12000			
WR-VC-66	WLCDRD05WRVC066Clam	1400 U					700		520 U	620	1800			500 U				1300 U			
WR-VC-66	WLCDRD05WRVC066Worm	7400 J					6700		2300 NJ	3900	7800 U			1200 U				8000 U			
WR-VC-72	WLCDRD05WRVC072Clam	120 U					680		500 U	420 J	1200			500 U				880 U			
WR-VC-72	WLCDRD05WRVC072Worm	12000					11000		4400 NJ	6400	14000 U			2300 U				14000 U			
WR-VC-108	WLCDRD05WRVC108Clam	120 U					1600		620 U	700	2100			450 U				1800 U			
WR-VC-108	WLCDRD05WRVC108Worm	2800 U					30000		16000 J	14000	39000			5600 U				36000			
WR-VC-118	WLCDRD05WRVC118Clam	850 U					540		500 U	470 J	910 U			340 U				850 U			
WR-VC-118	WLCDRD05WRVC118Worm	4200 U					4100		1100 U	2400	4500			760 U				4800			
Clackamas Fish Hatcher	WLTASE03CFH03254200		976	193	580	2.06 K		0.569				5.45	0.154 K	229	0.676 U	20.3 K	81.4		622	1.99	0.469 U
Clackamas Fish Hatcher	WLTASE03CFH03254201		860	176	573	2.35 K		1.1 K				5.59	0.167 K	191	2.98 U	18.2 K	72.4		534	1.59 K	1.24 U
Clackamas Fish Hatcher	WLTASE03CFH03254202		470	110	352	1.65		0.731				4.13	0.235	117	0.596 U	14.5 K	40.8		288	1.18	0.251 U
Clackamas Fish Hatcher	WLTASE03CFH03254210		799 T	155 T	495 T	1.57 JT		0.662 T				4.89 T	0.241 JT	181 T	4.16 UT	15.7 JT	66.5 T		486 T	1.3 JT	0.823 UT
Clackamas Fish Hatcher	WLTASE03CFH03254211		657	138	404	1.52		0.558				4.88	0.226 K	159	0.823 U	15.7	59.7		415	1.55 K	0.593 U
Clackamas Fish Hatcher	WLTASE03CFH03254212		380	87.6	292	1.54 K		0.369 K				3.03	0.108 K	88.5	0.383 U	10.8	32.8		225	1.09 K	0.411 U
Clackamas Fish Hatcher	WLTASE03CFH03254220		796 T	177 T	601 T	2.72 T		1.17 T				6.84 T	0.25 JT	176 T	0.465 UT	20.3 JT	58.7 T		474 T	1.69 T	0.363 UT
Clackamas Fish Hatcher	WLTASE03CFH03254221		1080	222	706	2.59		1.39				8.57	0.257	227	0.809 U	25.5	80.2		661	2.36	0.531 U
Clackamas Fish Hatcher	WLTASE03CFH03254222		856	188	592	3.16		0.807				5.93	0.239 K	194	0.928 U	21.2	70.2		512	1.97 K	0.431 U
Clackamas Fish Hatcher	WLTASE03CFH03254223		1100 T	227 T	705 T	2.63 JT		1.22 JT				8.08 T	0.32 JT	245 T	0.352 UT	25.1 JT	84.9 T		627 T	2.42 JT	1.09 UT
RM 3.5-9.2	WLTASE03ISA03334750		3990 T	943 T	2140 T	30.7 T		9.98 T				80.3 T	5.93 T	1160 T	1.7 UT	19.3 T	324 T		2380 T	5.62 JT	1.32 UT
RM 3.5-9.2	WLTASE03ISA03334751		3000	875	1910	22.7		9.98				71.2	3.22	1100	1.58 U	15.5	305		2270	8.02	0.161 U
RM 3.5-9.2	WLTASE03ISA03354100		8540	2280	4680	60.8		20				192	10.4	2630	2.1 U	37.6	756		5700	18.8	0.351 U
RM 3.5-9.2	WLTASE03ISA03354101		3040	929	2240	38		15.3				112	5.66	990	2.42 U	14.4	294		2040	9.57	0.945 U
RM 3.5-9.2	WLTASE03ISA03354102		33200	7570	22000	432		74.9				1310	42.2	2160	0.677 U	33.6	1230		13100	58.8	0.456 U
Willamette Falls	WLTASE03WF03214300		2560	477	869	7.36 K		4.37				20.2	0.922	507	6.33 U	58.3	206		958	4.93	2.39 U
Willamette Falls	WLTASE03WF03214301		3030	588	938	7.89		5.09				24.8	0.791	630	2.71 U	68	263		1110	5.7	3.51 U
Willamette Falls	WLTASE03WF03214302		2910	551	1110	9.3		5.34				25.9	1.02 K	609	4.2 U	72 K	243		1290	5.08 K	3.92 U
Willamette Falls	WLTASE03WF03214303		3500	512	1000	8.61		4.69				23.1	0.668	570	2.53 U	70.5	250		1100	6.54	0.868 U

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Table C2-53a. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 1 of 2).

	CAS No	74472-37-0	31508-00-6	56558-17-9	68194-12-7	56558-18-0	76842-07-4	65510-44-3	57465-28-8	39635-33-1	38380-07-3	PCB128_166	PCB129_138_160_163	52663-66-8	61798-70-7	38380-05-1	35694-04-3	PCB134_143	PCB135_151_154	38411-22-2	35694-06-5	35065-28-2
	Chemical Name	PCB114	PCB118	PCB119	PCB120	PCB121	PCB122	PCB123	PCB126	PCB127	PCB128	PCB128 & 166	PCB129 & 138 & 160 & 163	PCB130	PCB131	PCB132	PCB133	PCB134 & 143	PCB135 & 151 & 154	PCB136	PCB137	PCB138
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																					
08R010	LWG0108R010TSSBWBC30	406	41100		893	99.1	65.8	232	71.3	94.4		18000 J	405000 J	11000	941	38900	6210	8220 J	101000 J	21500	2800	
08R032	LWG0108R032TSSBWBC00	586	23300		260	66.8	67.5	338	55.1	47.6		6250	66300 J	2080	119	4560	1670	914 J	16900 J	2970	2040	
09R002	LWG0109R002TSCRWBC00	56.9	2010		48.8	7.41 U	21.2 U	50.3	7.22	17.4 U		45.7 J	5800 J	182	11.1 U	107	205	60.9 J	691 J	95.4	219	
09R002	LWG0109R002TSSPWBC00	700	33000		229	51.2	75.1	457	59.3	1.95 U		7010 J	91200 J	2130	97.3	3740	1810	818 J	25500 J	2260	2430	
09R006	LWG0109R006TSSBWBC00	1140	42600		194	48.7	199	685	98.3	5370		8440 J	72600 J	3040	219	6320	1290	1080 J	13600 J	2780	3390	
20R001	LWG0120R001TSBBWBC10	46.2	1880		11.6	7.55 U	21.6 U	36.8	5.96	17.7 U		325 J	2640 J	166	11.9	385	55.3	65.8 J	521 J	98	140	
20R001	LWG0120R001TSBBWBC20	111	3970		28.2	7.11 U	25.3 J	73.4	10	16.7 U		753 J	6400 J	350	10.7 U	484	145	84.7 J	28.8 U	130	323	
20R001	LWG0120R001TSSBWBC10	280	9830		35.8	7.48 U	21.4 U	140	19.3	23.9 J		1580 J	13300 J	420	20.4 J	616	238	154 J	2060 J	329	808	
20R001	LWG0120R001TSSBWBC20	619	18700		69.6	10.2	21 U	278	35.2	42.9 J		3310 J	29200 J	905	69.8	2300	518	408 J	29.7 U	1130	1560	
20R001	LWG0120R001TSSBWBC30	361	14100		95.6	17.1	49	207	46.2	20.7 J		2780 J	31500 J	1010	82.6	2600	605	468 J	7100 J	1330	929	
28R001	LWG0128R001TSBBWBC00	33.8 T	1480 T		8.18 JT	7.2 UT	20.6 UT	30.1 T	4.18 T	16.9 UT		280 JT	2100 JT	130 T	10.8 UT	239 T	40.1 T	43.6 JT	377 JT	59.3 T	90.9 T	
28R001	LWG0128R001TSSBWBC10	169 T	7210 T		36.4 T	3.64 UT	38 T	142 T	19 T	14.2 JT		1480 JT	11500 JT	645 T	77.5 T	1490 T	204 T	296 JT	2170 JT	390 T	423 T	
28R001	LWG0128R001TSSBWBC20	166	7520		42.2	3.95 U	36.5	130	19.7	16.2		1470 J	12000 J	670	72.2	1510	217	287 J	2150 J	363	461	
28R001	LWG0128R001TSSBWBC30	115	5200		28	3.97 U	24.5	91.6	14.8	10.6		889 J	7900 J	446	50.5	915	134	202 J	1440 J	238	300	
FZ0306	LWG01FZ0306TSBBWBC10	76.2	3200		40.2	7.23	39.6	60.3	13.9	9.56 U		1000 J	8210 J	505	31.7	1200	185	216 J	2140 J	410	278	
FZ0306	LWG01FZ0306TSBBWBC20	214	9650		51.9	12.1	65.4	171	22.4	18.2		1850 J	16700 J	799	58	1980	354	9.91 U	3990 J	708	728	
FZ0306	LWG01FZ0306TSBBWBC30	362	16800		67.6	6.54	87	365	40	9.84 U		3330 J	30400 J	959	38.5	1120	429	210 J	3390 J	422	2600	
FZ0306	LWG01FZ0306TSBCWBC10	130	5140		40.4	7.51 U	39.1	95.5	17.7	17.6 U		903 J	8590 J	483	27.8 J	875	190	133 J	1790 J	265	378	
FZ0306	LWG01FZ0306TSBCWBC20	133	5320		33	8.42 J	56.2	93.2	13.9	17.4 U		951 J	8210 J	452	37 J	1040	185	189 J	1880 J	342	316	
FZ0306	LWG01FZ0306TSCPWBC10	379	17000		86	16.6	141	323	45.4	37.7		2890 J	28900 J	1400	182	4330	530	828 J	8300 J	1880	990	
FZ0306	LWG01FZ0306TSCPWBC20	909	74900		802	983	352	762	112	143		32700 J	634000 J	19900	3800	162000	12300	31600 J	287000 J	103000	3970	
FZ0306	LWG01FZ0306TSCPWBC30	260	11400		131	27.1	84.4	246	26.8	13.5		2550 J	29100 J	1590	170	4760	825	946 J	9840 J	1750	982	
FZ0609	LWG01FZ0609TSBBWBC10	245	21400		297	26.4	87.1 J	144	42.1	48.4		13700 J	206000 J	7560	398	5370	3160	3760 J	46800 J	2870	1530	
FZ0609	LWG01FZ0609TSBBWBC20	172	7850		72.3	17.2	65.7	126	19.5	15.7		2420 J	24400 J	1060	104	4350	474	704 J	7710 J	1790	591	
FZ0609	LWG01FZ0609TSBBWBC30	229	9710		139	24.2	86.3	176	24.4	25.9		2040 J	31400 J	1150	60.4	3050	741	9.86 U	8280 J	1360	872	
FZ0609	LWG01FZ0609TSBCWBC10	157	6370		52	12.1	53	128	13.1	9.52 U		1140 J	13400 J	677	51.9	1390	297	10.4 U	3190 J	477	527	
FZ0609	LWG01FZ0609TSBCWBC20	359	12700		84.3	15.1	135	263	25.3	23.5		2070 J	20100 J	968	83	2710	409	9.6 U	5270 J	963	716	
FZ0609	LWG01FZ0609TSCPWBC10	218	12400		246	69.5	73.2	178	33.2	20.1		3920 J	51300 J	2330	267	8700	1330	1740 J	19700 J	4210	933	
FZ0609	LWG01FZ0609TSCPWBC20	384	16700		211	57	134	291	56.5	31		4540 J	59600 J	2430	290	9510	1210	1680 J	17300 J	4030	1170	
FZ0609	LWG01FZ0609TSCPWBC30	300	17500		310	127	96.5	237	40.9	40.5		6440 J	119000 J	4150	573	23100	2270	3850 J	48700 J	13200	1310	
WR-PG-Ref03	WLCDRD050184G	90 U	1600	970 U				300 U	120 U		170 U					690 U						1800 J
WR-PG-Ref03	WLCDRD050187G	90 U	570 J	350 U				300 U	120 U		190 J					500 U						900 NJ
WR-VC-11	WLCDRD05WRVC011Clam	90 U	1500	790 U				620 U	120 U		170 U					500 U						1600 J
WR-VC-11	WLCDRD05WRVC011Worm	140 J	3800	500 U				300 U	120 U		950					2700						7700 J
WR-VC-28	WLCDRD05WRVC028Clam	90 U	1100 U	1100 U				300 U	120 U		170 U					350 U						690 U
WR-VC-28	WLCDRD05WRVC028Worm	130 U	7400	720 U				430 U	180 U		1700					3700 J						9300 J
WR-VC-29	WLCDRD05WRVC029Clam	90 U	1200	1500 U				300 U	120 U		170 U					500 U						1300 J
WR-VC-29	WLCDRD05WRVC029Worm	130 U	2100	720 U				430 U	180 U		590 J					1700 J						4300 J
WR-VC-43	WLCDRD05WRVC043Clam	90 U	1500	790 U				620 U	120 U		170 U					500 U						1600 J
WR-VC-43	WLCDRD05WRVC043Worm	90 U	2200	500 U				300 U	120 U		560 J					1600						5000 J
WR-VC-46	WLCDRD05WRVC046Clam	90 U	1600	840 U				300 U	120 U		170 U					500 U						1600
WR-VC-46	WLCDRD05WRVC046Worm	150 U	4900	840 U				500 U	200 U		1400					2600						9000 J
WR-VC-57	WLCDRD05WRVC057Clam	90 U	1600	120 U				460 U	120 U		200 U					500 U						1700 J
WR-VC-57	WLCDRD05WRVC057Worm	150 J	7800	3100 NJ				300 U	120 U		1700 J					4900						17000 J
WR-VC-66	WLCDRD05WRVC066Clam	90 U	1700	820 U				520 U	120 U		170 U					500 U						1700 J
WR-VC-66	WLCDRD05WRVC066Worm	90 U	5200	1400 NJ				300 U	120 U		1200 J					2700						9900 J
WR-VC-72	WLCDRD05WRVC072Clam	90 U	1200	1100 U				300 U	120 U		170 U					500 U						1300 J
WR-VC-72	WLCDRD05WRVC072Worm	510 NJ	8800	2500 U				300 U	280 U		2100					4200						15000 J
WR-VC-108	WLCDRD05WRVC108Clam	90 U	1700	1300 U				610 U	120 U		170 U					430 U						1700 J
WR-VC-108	WLCDRD05WRVC108Worm	510 J	23000	1600 U				910 U	480 U		4000					8300						28000 J
WR-VC-118	WLCDRD05WRVC118Clam	90 U	1100	1300 U				510 U	120 U		170 U					500 U						1200 J
WR-VC-118	WLCDRD05WRVC118Worm	90 U	3100	500 U				300 U	120 U		830					2000						6000 J
Clackamas Fish Hatcher	WLTASE03CFH03254200	16.2	697		8.23	3.56	4.17	12.6	1.54	0.697 U		126	1120	58.3	4.42	177	26.1	36.8	323	59.4	43.9	
Clackamas Fish Hatcher	WLTASE03CFH03254201	14.4	584		6.77	3.1	3.45 U	10.9	1.52	3.05 U		116	1030	57.1	3.32	169	23.1	33.1	316	60.4	36.7	
Clackamas Fish Hatcher	WLTASE03CFH03254202	7.82 K	369		4.57 K	1.97	1.66	6.51	1.07	0.615 U		70.6	609	34.5	2.44	102	14.4	23.9	202	35.7	22.2	
Clackamas Fish Hatcher	WLTASE03CFH03254210	14.3 T	552 T		5.41 T	2.83 T	4.83 UT	9.69 T	1.32 T	4.28 UT		101 T	940 T	50.3 T	3.57 UT	144 T	23.6 T	30.5 T	274 T	50.7 T	32.5 T	
Clackamas Fish Hatcher	WLTASE03CFH03254211	11.9	506		6.25 K	2.37	2.77 K	8.29	1.46	0.848 U		88.8	788	43.1	3.32	125	17.5	26.1	234	38.9	29.8	
Clackamas Fish Hatcher	WLTASE03CFH03254212	5.89 K	274		3.45	1.68 K	0.421 U	4.95	0.764	0.395 U		51.4	442	26.6	2.59	76.2	10.4	17.5	152	28.2	17.2	
Clackamas Fish Hatcher	WLTASE03CFH03254220	12 T	538 T		6.34 T	3.18 JT	2.32 JT	8.68 T	1.72 T	2.14 JT		95.3 T	817 T	49.6 T	4.01 JT	139 T	21.5 T	30.6 T	291 T	58 T	30.9 T	
Clackamas Fish Hatcher	WLTASE03CFH03254221	16.3	659		8.84	3.66	3.98	12.7	1.99	0.867 U		114	1070	62.3	4.25	179	28.6	39.3	393	78.7	45.3	
Clackamas Fish Hatcher	WLTASE03CFH03254222	14.2	617		7.47	3.97	3.12	10.9	1.7 K	0.957 U		101	930	52	4.52	161	23	33.7	324	60.5	35.4	
Clackamas Fish Hatcher	WLTASE03CFH03254223	17.4 T	732 T		8.74 T	4.49 T	3.67 T	11.8 T	1.91 T	0.363 UT		136 T	1180 T	68.8 T	4.49 T	189 T	30.3 T	40.4 T	391 T	71 T	43.5 T	
RM 3.5-9.2	WLTASE03ISA03334750	92.2 T	2100 T		15.7 JT	13.6 T	2.02 UT	26.1 JT	1.74 T	9.34 T		700 T	8050 T	311 T	14 T	724 T	188 T	152 T	2410 T	322 T	254 T	
RM 3.5-9.2	WLTASE03ISA03334751	88.2	1160		14.6	9.43	2.53	37.1	4.85	1.69 U		584	8210	361	19.4	792	205	170	2480	281	335	
RM 3.5-9.2	WLTASE03ISA03354100	204	3110		41.7	23.2	4.48	57	2.77	2.26 U		1390	20700	932	46.5	1850	456	304	6780	735	715	
RM 3.5-9.2	WLTASE03ISA03354101	76.8	1280		21.3	11.4	2.68 U	26	2.08 U	2.6 U		658	9320	415	18.5	797	237	169	3060	431	305	
RM 3.5-9.2	WLTASE03ISA03354102	172	5010		174	0.445 U	0.727 U	45.6	3.84	27.1		4480	96300	2970	183	14200	1630	1780	38100	5280	930	
Willamette Falls	WLTASE03WF03214300	58.6	2240		17.6	8.74	7.41 U	31.8	6.02	6.81 U		252	2810	96.2	12	147	66.8	60.6	640	70.1	151	
Willamette Falls	WLTASE03WF03214301	74	2770		23.6	12.6	3.18 U	30.3	6.84	2.92 U		325	3460	102	14.1	160	85.3	65.3	736	72.8	184	
Willamette Falls	WLTASE03WF03214302	72.3	2680		20.4	11	4.93 U	35.4	7.74	6.52 K		350	3560	116	16	231	88.4	73.4	794	91	190	
Willamette Falls	WLTASE03WF03214303	77.6	2910		20.1	15.5	7.98	30.9	7.51	6.39		367	4160	101	12.8	175	83.8	72.5	710	92	178	

Notes:
J - The associated numerical value is an estimated quantity.
K - Peak detected but did not meet QC criteria.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-53b. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 2 of 2).

r Calculations for Tissue Samples (Table 2 of 2).

	CAS No	PCB139_140	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB147_149	74472-41-6	38380-04-0	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	33979-03-2	38380-08-4	PCB156_157	69782-90-7	74472-42-7	39635-35-3	74472-43-8	39635-34-2
	Chemical Name	PCB139 & 140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB147 & 149	PCB148	PCB149	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB155	PCB156	PCB156 & 157	PCB157	PCB158	PCB159	PCB161	PCB162
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																						
FC001	LW2-BTFC001	115	206	0.592 U	335	2.7	1460	5770	46.1		31.4		18.4		14800	6.51		522		695	17.2	0.669 U	13.6
FC002	LW2-BTFC002	193	394	2.59 U	562	4.46	2320	9030	58.9		39.5		25.6		25600	7.73		951		1200	29.3	0.675 U	26.5
FC003	LW2-BTFC003	62.9	150	2.26 U	220	1.1	1150	4230	43.9		29.1		15.7		10500	6.48		270		404	13	1.54 U	7.05
FC004	LW2-BTFC004	85.2	227	1.05 U	296	1.71	1440	5260	49.1		30.4		17.4		13500	7.41		416		577	17.9	0.714 U	12.4
FC005	LW2-BTFC005	212	551	1.79	670	4.07	2880	11000	70.3		43.8		24.8		30000	7.82		1090		1370	38.5	0.665 U	26.1
FC0061	LW2-BTFC006 Rep 1	503 T	1040 T	4.51 JT	1260 T	7.67 T	4910 T	23800 T	59.4 T		42.2 T		27 T		51500 T	4.46 T		2360 T		3110 T	71.3 T	0.664 UT	75.1 T
FC007	LW2-BTFC007	80.2	203	0.958 U	271	1.44	1450	5180	50.2		31.3		18.4		15000	8.49		381		519	17.1	0.675 U	10.7
FC008	LW2-BTFC008	108	265	1.51	298	1.56	1700	5290	59.4		29.4		13.8		14200	6.43		432		653	23.5	0.67 U	13.2
FC010	LW2-BTFC010	65.8	195	0.711	249	0.908	1370	4590	52.3		33.1		18.6		14000	8.07		306		438	17.9	0.633 U	8.45
FC011	LW2-BTFC011	124	388	5.61 U	437	1.94	2410	9000	71.1		46		22.8		20100	9.45		432		857	34	3.85 U	14.3
FC012	LW2-BTFC012	85.9	227	0.869	287	1.44	1550	5520	54.4		37.2		16.6		11200	7.55		341		488	22.5	0.654 U	9.4
FC013	LW2-BTFC013	162	959	2.51 U	577	2.27	2940	10900	83		54		24.2		16700	9.03		627		911	91.1	1.72 U	18.2
FC014	LW2-BTFC014	68.6	160	1.02	238	0.994	1210	4210	43.7		28.8		11.4		9100	5.76		273		397	18.7 U	0.665 U	8.63
FC015	LW2-BTFC015	80.6	222	1.76 U	283	1.11	1560	5080	48.3		28.9		10.3		11300	5.16		311		524	24.1	1.21 U	12.8
FC016	LW2-BTFC016	1460	7570	60.4 U	10100	61.6	43300	179000	2220		1310		1390		561000	477		9210		15200	965	41.3 U	46.3 U
FC017	LW2-BTFC017	106	269	4.18 U	350	1.76	1730	6240	56.6		37.9		14.1		12800	5.7		386		604	23.4	2.92 U	14.8
FC018	LW2-BTFC018	96.6	217	5.67	285	1.55	1560	5840	43.1		30.2		11.9		10600	5.02		319		538	21.6	1.44 U	10.5
FC019	LW2-BTFC019	83	318	8.75 U	279	1.64	1690	6290	53.6		38.2		18.8		18700	7.73		338		606	28.5	6.24 U	10.8
FC020	LW2-BTFC020	96.2	219	0.594 U	317	1.7 U	1570	5680	52.8		39.1		13.4		10600	5.51		369		549	20.6	0.671 U	13.4
FC021	LW2-BTFC021	84.3	172	2.28 U	262	1.34	1350	5070	42.4		31.6		10.3		10000	4.04		303		448	16.6	1.59 U	11.2
FC022	LW2-BTFC022	306	656	1.04 U	875	4.25 U	5230	18100	221		155		51		40000	13.4		992		1480	63.7	0.865 U	31.1
FC024	LW2-BTFC024	202	252	3.27 U	464	2.72 U	2400	9690	66.4		56.3		25.5		23000	5.55		738		1020	24	2.21 U	21.5
FC025	LW2-BTFC025	156	256	0.759 U	459	1.82	2440	8930	83.9		62.2		25.6		17400	5.8		500		779	27.8	0.73 U	18
FC026	LW2-BTFC026	458	1390	4.17 U	1720	5.62	9350	39300	353		338		160		57100	23.3		1390		2870	135	2.98 U	38.9
FC0271	LW2-BTFC027 Rep 1	76.3 JT	139 T	1.99 UT	167 T	1.07 UT	1110 JT	4080 JT	78.1 JT		77.8 JT		17 JT		9050 T	11.7 JT		213 T		326 T	12.9 T	1.31 UT	7.33 JT
FC028	LW2-BTFC028	258	548	0.662 U	809	3.44	3340	13900	76.1		52.4		19.8		23400	5.95		1050		1640	51.9	0.669 U	37.5
FC029	LW2-BTFC029	357	1200	26.6 U	1310	4.34	7180	21100	200		182		86.2		44200	12.3		1170		2180	87.1	19 U	32.1
FC030	LW2-BTFC030	190	405	0.773 U	515	1.6	3060	10800	93.1		57.7		14.8		20300	6.81		558		987	42	0.68 U	21
FC031	LW2-BTFC031	61.7	152	2.77 U	177	0.885	980	3630	35.7		31.4		9.69		8710	5.8		251		368	14.8	1.81 U	8.6
FC032	LW2-BTFC032	421	2090	77.6 U	2250	18.2 U	10200	45200	333		326		103		66300	31.1		1060		3350	194	55.4 U	55.8 U
FC033	LW2-BTFC033	45.9	108	3.5 U	149	0.755	817	2860	31.2		26.2		7.79		7580	4.48		154		316	10.5	2.49 U	5.57
BT001	LW2-BTLC001	17.3	47.2	1.11 U	30.6	0.345 U	281	720	1.92 U		1.26		0.855 U		4130	0.745 U		132		129	1.74	0.782 U	3.96
BT002	LW2-BTLC002	33	118	1.68 U	68.2	0.893 U	358	1230	2.31		1.71		1.75		4420	0.957		185		214	4.91	1.22 U	6.88
BT003	LW2-BTLC003	9.37	30.6	0.571 U	13.4	0.1 U	207	452	1.02		0.603		0.296 J		3240	0.651		114		90	0.741 U	0.645 U	2.64
BT004	LW2-BTLC004	8.15	27.7	0.573 U	12.3	0.093 J	183	418	0.9		0.501 J		0.347 J		2950	0.623		111		86.4	0.602	0.648 U	2.56
BT005	LW2-BTLC005	14.8	46.4	0.85 U	21.1	0.2 U	250	712	2.06		1.42		0.653		3340	0.727		126		102	1.93 U	0.664 U	2.69
BT0061	LW2-BTLC006-1	21.2	68.8	1.14 U	41.2	0.389 J	287	981	1.68		1.11		0.835		3760	0.736		156		147	2.43	0.752 U	3.77
BT0062	LW2-BTLC006-2	21.5	75.9	1.14 U	43.6	0.463 U	279	982	1.72		1.32		0.896		3530	0.643		154		145	2.71	0.75 U	3.97
BT007	LW2-BTLC007	36.9	79.1	0.653 U	56.3	0.378 J	520	1500	4.5		2.79		1.64		5360	2.21		245		289	4.36 U	0.738 U	8.54
BT008	LW2-BTLC008	33.3	70.9	0.595 U	56.2	0.403 J	488	1440	5.59		4.12		2.25		5600	2.18		226		252	4.54 U	0.673 U	7.78
BT009	LW2-BTLC009	9.43	33.8	0.617 U	13.4	0.098 J	209	486	1.11		0.661		0.394 J		3180	0.648		120		99	1.23	0.659 U	2.66
BT010	LW2-BTLC010	13.9	37.1	1.02 U	18	0.14 U	234	633	1.26		0.92		0.447 U		3430	0.75		124		102	0.994 U	0.668 U	3.02
BT011	LW2-BTLC011	7.71	26.8	0.599 U	11.5	0.085 U	196	422	0.853 U		0.545 J		0.295 J		3150	0.596		114		91.4	0.738 U	0.677 U	2.52
BT012	LW2-BTLC012	16.7	48.2	1.12 U	29.2	1.08 U	315	791	3.02		1.98		0.598		4440	0.878		135		129	2.28	0.785 U	3.81 U
BT013	LW2-BTLC013	18.9	72.2	0.575 U	31.5	0.206 J	333	1010	4.1		2.23		1.26		4340	1.06		152		147	4.3	0.65 U	3.67
BT014	LW2-BTLC014	14.8	38.9	0.917 U	21.7	0.163 J	267	612	1.44		0.867		0.417 U		3880	0.863		128		133	1.68	0.678 U	4.33
BT015	LW2-BTLC015	16	42	1.07 U	24	0.156 U	288	666	1.67		1.03		0.467 J		4060	0.932		136		138	1.91	0.779 U	4.46
BT016	LW2-BTLC016	37.4	466	3.09 U	219	1.71	813	3650	30.6		28		38		7190	6.47		221		387	31.7	2.24 U	5.85
BT017	LW2-BTLC017	57.5	93.2	1.28	78.7	1 U	649	1900	5.88		3.94		2.33		6170	4.16 U		303		346	7.26 U	0.706 U	9.76
BT018	LW2-BTLC018	17.8	60.8	1.43 U	32.6	0.197 U	328	853	7.43		3.75		0.349 J		3640	0.944		122		122	3.72 U	1.01 U	3.18
BT019	LW2-BTLC019	16.8	49.3	0.74 U	25.1	0.118 U	294	700	1.79		1.21		0.633		4280	1.04		139		145	2.22	0.677 U	4.55
BT020	LW2-BTLC020	40.2	66.2	0.732 U	58	0.381 J	583	1600	3.55		2.01		0.917		5800	2.46		271		323	3.73 U	0.827 U	10.1
BT021	LW2-BTLC021	14.3	36.1	1.47 U	22.7	0.214 U	246	669	1.62		1.08 U		0.409 J		3480	0.941 J		123		118	2.71 U	1.66 U	3.04
BT022	LW2-BTLC022	83.4	160	1.2 U	137	0.98	988	3310	24.3		19.5		5.08		7590	2.98		326		426	13.2	0.83 U	12
BT023	LW2-BTLC023	25.2	66.3	0.866 U	39	0.346 J	406	998	3.46		2.3		1.05		4800	1.04		162		193	2.95 U	0.665 U	5.76
BT024	LW2-BTLC024	62	129	3.44 U	100	0.991	736	2330	6.73		5.26		2.51		6450	2.23		328		402	7.48	2.4 U	11.6
BT025	LW2-BTLC025	13.5	31.7	0.577 U	20.3	0.124 J	237	618	1.52		0.955		0.429 J		3500	0.898		135		114	2.25	0.652 U	3.52
BT026	LW2-BTLC026	27	98.1	0.591 U	69	0.185 J	416	1650	9.73		11.5		6.21		4190	1.17		167		189	8.11	0.668 U	3.4
BT0271	LW2-BTLC027-1	36.2	37.5	0.615 U	24.5	0.193 U	525	976	12.1		9.05		1.5		4030	1.3		142		127	5.11	0.673 U	3.24
BT0272	LW2-BTLC027-2	15.3	31.9	0.599 U	24	0.134 U	251	692	2.51		2.17		0.739		3630	1.13		131		120	1.83	0.678 U	3.49
BT028	LW2-BTLC028	47.6	161	1.27 U	120	1.12	509	2220	3.65		2.81		2.52		5350	0.944 U		291		328	8.88	0.874 U	7.82
BT029	LW2-BTLC029	16.4	43.6	0.58 U	28.4	0.191 U	259	766	2.06		1.79		0.779		3750	0.891 U		144		128	2.57	0.655 U	3.22
BT030	LW2-BTLC030	24.1	50.8	4.73 U	39.2	0.363 U	389	1190	4.57 J		2.48 J		0.81 J		4750	1.51 J		162		165	4.7	5.34 U	5.1
BT031	LW2-BTLC031	17.1	37	0.6 U	25.8	0.173 U	300	742	1.9		1.47		0.578 J		3900	1.15		154		147	1.99	0.678 U	4.05
BT032	LW2-BTLC032	39.2	297	3.09 U	164	0.354 J	687	3330	17.2		24.9		8.75		6230	2.21		204		299	27.5	2.14 U	6.16
BT033	LW2-BTLC033	14.9	38.6	0.762 U	21.3	0.143 U	246	622	1.91		1.49		0.723		3480	1.03		130		117	1.96	0.652 U	4.34
BT001	LW2-BTLW001	248	753	18.8 U	488	6.77	2400	13700	31.6		31.4		19.6		10800	3.82		1360		986	61.9	12.8 U	53.4
BT002	LW2-BTLW002	1010	3220	65.2 U	2620	32.3	8080	56100	58.7		74.5		73.3		48200	4.45		6800		4700	255	45.2 U	205
BT003	LW2-BTLW003	57.9	128	7.2 U	129	0.967	917	3860	27.3		24.5		9.84		4110	4.04		258		208	22.7	4.91 U	9.11
BT004	LW2-BTLW004	42.9	54.3	3.8 U	84	0.788	579	2460	12.8		11.8		4.75		2830	2.78		225		148	14.9	2.59 U	8.46
BT005	LW2-BTLW005	290	1280	15.7 U	702	4.6	3940	19700	102		82.8		27.6		17300	8.52		1480		1230	116	11 U	49.9
BT0061	LW2-BTLW006-1	552	1540	35.7 U	1230	11.1	5390	32400	50.8		52.9		31		29200	3.62		3340		2640	151	24.3 U	104
BT0062	LW2-BTLW006-2	638	2480	54.6 U	1550	12.7	6290	39500	57.4		61.6		36.4		34200	3.75		4040		3250	185	37.2 U	131
BT007	LW2-BTLW007	99.9	165	4.59 U	153	1.71	1200	6340	28.4		29.5		12.5		5690	5.94		435		316	34.2	3.16 U	17
BT008	LW2-BTLW008	145	881	6.84 U	328	2.54	1840	9790	51.3		39.9		18.3		9380	6.13		834		723	82.4	4.57 U	25.4
BT009	LW2-BTLW009	113	536	16.3 U	302	1.79	1840	8330	47.1		39.9		17.6		8300	6.01		597		534	61	11.1 U	19.8
BT010	LW2-BTLW010	122	643	5.7 U	296	1.8	2220	8640	61.8		53.9		15.1		8360	5.76		433		440	66.7	4 U	17.3
BT011	LW2-BTLW011	104	537	13.9 U	303	1.9	1640	7400	40.3		37.1		14.8		7710	5.9		571		504	52.2	9.45 U	19.5
BT012	LW2-BTLW012	409	1410	29.1 U	861	5.23	6150	23400	180		115		9.96		18500	8.88		1150		999	169	19.7 U	54.9
BT013	LW2-BTLW013	319	2710	5.26 U	1060	2.56	6730	26900	164		95.3		42.9		28700	14.3		1490		1660	312	3.68 U	40.5
BT014	LW2-BTLW014	73	329	9.04 U	218	1.15 U	1040	5680	30.5		28.6		7.94		4760	4.07		359		296	35.9	6.28 U	12.7

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2)

	CAS No	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	PCB171_173	52663-74-8	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	52663-69-1	PCB183_185	74472-48-3
	Chemical Name	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171 & 173	PCB172	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB183	PCB183 & 185	PCB184
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																						
FC001	LW2-BTFC001	307	12.3		627		2.37 U	346	582	47.3	433	92.2	300	1250	654	1030		2330	11.5	3.96		1330	3.48
FC002	LW2-BTFC002	521	15.6		1110		3.04 U	604	898	85	762	147	448	1860	960	1520		3930	20.5	7.22		2130	4.51
FC003	LW2-BTFC003	206	12.1		360		2.18 U	275	437	37.8	353	68.9	229	986	542	828		2100	8.83	4.91		1080	3.04
FC004	LW2-BTFC004	286	13.8		500		2.62 U	379	547	52.1	468	90.8	277	1180	646	975		2770	11.4	5.49		1410	3.13
FC005	LW2-BTFC005	633	17.7		1080		5.06 U	745	957	106	952	176	492	1990	1060	1700		5110	23.2	8.7		2580	4.4
FC0061	LW2-BTFC006 Rep 1	1430 T	16.8 T		2270 T		8.42 UT	1350 T	1690 T	179 T	1600 T	295 T	796 T	3220 T	1540 T	2540 T		7330 T	44.6 T	15.9 JT		4370 T	5.1 T
FC007	LW2-BTFC007	262	14.7		481		2.56 U	367	526	50.5	435	85.6	262	1120	598	929		2770	10.6	4.61		1330	3.2
FC008	LW2-BTFC008	325	16.5		517		3.59 U	449	562	65.9	560	102	260	1210	673	934		2510	12.6	7.87		1470	3.11
FC010	LW2-BTFC010	228	15.1		389		3.31 U	378	521	52.9	450	89.5	261	1110	625	928		2930	9.93	5.12		1370	3.32
FC011	LW2-BTFC011	431	22.9		451		7.41 U	444	623	65.4	601	123	364	1400	905	1260		2870	14.3	9.59		1910	5.35
FC012	LW2-BTFC012	269	13.7		347		3.08 U	381	527	53.6	519	86.9	261	1120	598	940		2340	12.7	5.64		1390	3.57
FC013	LW2-BTFC013	686	21.8		411		10.2 U	1410	863	256	1810	152	499	2020	1100	1730		3670	15.5	19.8		2630	3.97
FC014	LW2-BTFC014	223	11.1		317		3.27 U	374	485	49.1	441	85.9	239	1020	552	813		2150	15	5.66		1170	3.59
FC015	LW2-BTFC015	275	14.5		311		5.24 U	339	452	54.6	459	96.3	243	965	662	849		2120	16.2	7.84		1380	4.09
FC016	LW2-BTFC016	8550	766		9090		230 U	18400	26200	2420	17700	4970	12300	52400	25900	41900		89400	475	268		64400	59.4
FC017	LW2-BTFC017	338	14.1		401		6.39 U	427	569	57.1	502	93	301	1210	627	1050		2130	31.2	7.03		1380	4.54
FC018	LW2-BTFC018	260	13		358		5.04 U	394	561	53.7	473	97.7	276	1320	700	971		2320	68.6	7.6		1450	4.79
FC019	LW2-BTFC019	325	16.8		435		6.22 U	389	551	55.3	634	99.5	314	1180	732	1110		3160	9.17	10.3		1560	4.4
FC020	LW2-BTFC020	316	12.5		332		4.79 U	394	509	52.4	442	84.8	277	1130	601	967		1970	11.4	6.79		1320	3.82
FC021	LW2-BTFC021	247	9.9		343		5.1 U	308	441	38.4	356	71	237	965	498	825		1780	9.13	5.28		1100	2.92
FC022	LW2-BTFC022	883	45.5		959		14 U	1400	1620	175	1360	261	789	3450	1730	2710		6950	26.3	25.1		4040	7.03
FC024	LW2-BTFC024	455	15.2		925		7.59 U	437	684	53.4	533	102	365	1510	767	1320		2790	15.6	8.49		1580	4.16 U
FC025	LW2-BTFC025	406	17.1		546		9.79 U	521	786	69.2	647	128	444	1780	949	1550		3260	12.2	11.7		1920	4.28
FC026	LW2-BTFC026	1720	84.1		1250		25.7 U	2560	3170	315	2980	529	1640	5950	3250	5490		11600	45.1	44.8		8250	8.98
FC0271	LW2-BTFC027 Rep 1	175 T	23.1 JT		284 T		3.17 UT	241 JT	342 T	30.5 JT	301 T	55.2 T	171 T	827 JT	489 JT	683 JT		1790 T	5.53 T	8.32 JT		861 T	3.57 JT
FC028	LW2-BTFC028	834	17.2		765		14.7 U	1020	1300	123	1160	221	634	2610	1320	2130		4230	22.1	2.53 U		3350	5.25
FC029	LW2-BTFC029	1370	47.9		1120		20 U	1640	1850	217	2030	327	1070	3890	2100	3640		8390	28.1	29		5610	7.17
FC030	LW2-BTFC030	568	20.6		527		9.81 U	767	1030	94.9	908	171	541	2390	1210	1880		3990	14	15		2600	5.03
FC031	LW2-BTFC031	189	12.4		304		3.57	247	342	30.3	306	54.8	167	759	417	627		1760	5.26	2.45 U		861	3.69
FC032	LW2-BTFC032	2230	79.6		949		51.6 U	3370	3650	409	4190	624	2330	8350	4280	7770		11700	38	59.1		9500	11
FC033	LW2-BTFC033	148	11.8		220		2.47 U	151	241	19.2	223	45.6	144	543	367	515		1030	3.86	3.95		667	2.88
BT001	LW2-BTLC001	50.5	0.877 U		192		1.71 U	32.5	54.9	4.76	39.8	7.93	19.3	122	69.8	72.8		479	2.61	1.34		147	0.731
BT002	LW2-BTLC002	100	1.38 U		217		2.01 U	81	97.5	12	107	13.2	34.5	222	103	129		599	3.81	1.94		216	1.08
BT003	LW2-BTLC003	29.4	0.442 U		175		0.514 U	23.7	32.3	3.03	21.4	5.06	10.7	77.4	48.9	38.7		432	2.15	1.14		104	0.543 U
BT004	LW2-BTLC004	30.6	0.416 U		172		0.517 U	26.2	35	3.31	23.5	4.8	11	89.7	45.4	39.1		441	2.2	1.15 U		99.6	0.593 U
BT005	LW2-BTLC005	42.2	0.66 U		186		0.697 U	32.9	45.2	4.96	42.4	5.89	16.7	101	49.8	66.1		418	2.12	1.25 U		117	0.667
BT0061	LW2-BTLC006-1	60.4	0.888 U		207		1.04 U	47.2	63.1	6.89	63.7	8.37	20.1	140	67.5	80.9		500	3.17	2.43 U		161	0.809
BT0062	LW2-BTLC006-2	64.8	0.885 U		193		0.921 U	50.9	60.8	7.52	66.3	8.25	22.7	130	62.7	90.1		464	2.83	1.56 U		148	0.717 U
BT007	LW2-BTLC007	98.1	1.6		264		1.58 U	89.7	117	12.2	96.8	15.9	40.3	265	151	158		685	5.5	2.05		276	2.27
BT008	LW2-BTLC008	95.2	1.79		279		1.47 U	85.3	125	12.2	101	17.3	45.5	294	152	171		752	5.4	1.94		313	2.13
BT009	LW2-BTLC009	35.8	0.5 U		175		0.588 U	32.6	43.2	4.15	32	6	13.8	103	51.9	48.9		461	2.41	0.985 U		121	0.752
BT010	LW2-BTLC010	36.4	0.789 U		191		0.938 U	25.9	40.9	3.73	29.4	5.75	13.5	93	49.3	54.6		421	2.35	1.2 U		111	0.661 U
BT011	LW2-BTLC011	33.5	0.435 U		184		0.54 U	24.2	34	2.87	22	4.83	11.1	86.9	46.4	39.6		456	2.01	2.55 U		99.3	0.595
BT012	LW2-BTLC012	51	0.881 U		207		1.28 U	39.2	56.8	6.13	53.2	8.06	21.2	128	70.4	80.6		508	3.13	2.5 U		167	0.853
BT013	LW2-BTLC013	67.1	0.996 U		222		0.923 U	85.7	77.6	12.1	99.2	10.4	29.3	174	82.4	106		619	3.28	1.35		200	0.969
BT014	LW2-BTLC014	47.9	0.755 U		195		1.84 U	30.4	58.6	4.32	38	8.17	16.5	131	73.8	66.3		496	3.28	1.71		160	0.867
BT015	LW2-BTLC015	51.9	0.883 U		209		1.11 U	34.2	63.2	4.87	42.5	8.54	18.9	147	78.8	72.4		528	3.52	1.82 U		170	1.01
BT016	LW2-BTLC016	299	9.7		228		6.84 U	479	425	75.6	706	58.3	172	892	385	646		1660	6.31	5.87		932	1.22
BT017	LW2-BTLC017	131	1.92		306		2.17 U	113	157	17	127	21.4	55.1	363	188	201		790	12.3	2.81		386	3.26
BT018	LW2-BTLC018	54.5	1.17		177		2.33 U	67.4	77	10.5	90.6	11.1	30.4	179	91.5	121		570	5.91	1.94		209	0.882
BT019	LW2-BTLC019	53.6	0.769 U		207		1.45 U	37.2	64.3	5.32	46.5	8.94	19.9	154	83.8	79.7		540	3.09	1.9		162	0.977 U
BT020	LW2-BTLC020	101	1.2		271		1.62 U	75.7	116	10.8	77.9	16.9	37.8	265	157	147		638	6.12	1.98		300	2.55
BT021	LW2-BTLC021	40.8	1.07 U		196		1.48 U	34.3	48.9	5.54	44.8	7.13	17.9	104	58.9	67.1		409	2.61	0.759 J		132	0.914 U
BT022	LW2-BTLC022	220	4.84		333		2.31 U	219	270	31.9	286	35.7	111	601	284	413		921	9.1	5.44		582	2.91
BT023	LW2-BTLC023	82.1	0.886 U		219		1.82 U	46.9	78.7	7.41	63.4	11.5	27.1	181	98.4	103		555	3.75	2.15		201	1.19
BT024	LW2-BTLC024	171	2.72 U		310		1.69 U	140	177	20.6	173	23.6	65.3	386	198	238		735	7.66	3.23		400	2.62
BT025	LW2-BTLC025	43.2	0.515 J		208		0.792 U	36.7	52.2	5.47	40	6.67	16.8	117	63.4	64		507	2.84	0.9		140	0.97
BT026	LW2-BTLC026	99.5	2.65		209		1.55	142	149	19.2	158	18.5	58	308	129	208		693	3.87	2.03		320	0.885
BT0271	LW2-BTLC027-1	67.6	3.65		202		1.11 U	100	93.4	16.6	124	12	35.4	316	148	171		663	3.18	5.44		216	1.25
BT0272	LW2-BTLC027-2	40.5	0.828		192		0.583 U	37.9	57.5	5.72	43.7	7.63	19.2	131	70.2	74.1		458	2.74	0.936		148	1.15
BT028	LW2-BTLC028	166	0.974 U		250		1.46 U	171	170	23.2	212	23	68.4	351	149	235		763	5.99	2.17		398	1.25
BT029	LW2-BTLC029	47.9	0.421 U		214		1.26 U	45	59	7.09	52.8	8.02	21	127	66.4	77.2		499	2.77	1.1		148	0.95
BT030	LW2-BTLC030	74.4	3.43 U		215		4.26 U	56.1	79	8.76	69.8	11.4	30.7	181	98.5	121		594	3.16 U	20.2 U		201	1.64 U
BT031	LW2-BTLC031	49.3	0.676		203		0.887 U	38.2	59.2	5.27	42.5	8.09	19	132	75.9	73.2		477	3.14	0.983		155	1.19
BT032	LW2-BTLC032	204	5.03		237		2.71 U	485	373	74.1	637	49.1	163	871	328	584		1570	5.86	5.27		843	1.58
BT033	LW2-BTLC033	42	0.628 U		198		1.64 U	36.5	62.5	5.02	41.4	7.8	18	144	73.6	72.7		525	2.87	1.21		153	0.931
BT001	LW2-BTLW001	937	15 U		473		15.6 U	1600	528	304	1450	73	314	1420	541	1070		1070	22.4	2.53 U		1250	2.65
BT002	LW2-BTLW002	4220	50.2 U		2190		46.9 U	8720	2840	1460	7910	383	1650	7130	2480	5450		5300	107	6.34 U		6750	6.34
BT003	LW2-BTLW003	273	9.26		105		6.65 U	652	234	119	563	30.9	138	659	285	546		386	8.38	2.54 U		566	1.96
BT004	LW2-BTLW004	208	5.07		81		3.31 U	442	172	68.7	367	19.5	89.7	486	185	328		204	6.17	2.56 U		346	1.31
BT005	LW2-BTLW005	1340	27.9		551		13.6 U	2780	950	515	2930	140	585	2560	1070	2060		2360	28.7	26.3 U		2760	4.76
BT0061	LW2-BTLW006-1	2480	28.2 U		1200		30.1 U	3970	1430	679	3690	182	823	3560	1330	2800		2420	54.2	2.55 U		3480	4.95
BT0062	LW2-BTLW006-2	2990	43.1 U		1440		49.8 U	4540	1530	791	4550	212	936	3840	1460	3090		3360	57.8	2.56 U		4080	5.14
BT007	LW2-BTLW007	414	12.2		166		2.11 U	752	290	131	740	38.2	186	817	351	699		445	10.3	2.51 U		688	2.54
BT008	LW2-BTLW008	727	17.6		331		5.27 U	1720	520	317	1730	76.3	283	1290	549	1040		1870	17.5	11.6		1480	2.69
BT009	LW2-BTLW009	634	14.1		249		13.5 U	1720	558	303	1510	76.5	308	1420	572	1080		1200	15.3	15.8		1430	2.68
BT010	LW2-BTLW010	552	16.8		190		5.7 U	1310	464	288	1620	69.9	293	1390	566	1060		1550	12.1	20.5		1420	2.74
BT011	LW2-BTLW011	570	14.7		234		11.8 U	1320	444	252	1320	66.5	260	1180	523	969		1110	16	2.5 U		1310	3.33
BT012	LW2-BTLW012	1480	49.6		420		25.4 U	2770	1060	612	3610	189	777	3020	1540	2710		2740	58.6	38.5		3320	7.28
BT013	LW2-BTLW013	1920	34.9		694		19.6 U	7280	2070	1210	7030	271	1120	5130	1920	3730		7970	38.1	44.6		5930	5.72
BT014	LW2-BTLW014	369	11.1		139		6.7 U	976	314	173	1000	46.2	194	861	393	723		841	17.6	2.52 U		959	2.81

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2).

	CAS No	74472-49-4	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	35694-08-7	52663-78-2	42740-50-1	PCB197_200	PCB198_199	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB186	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB194	PCB195	PCB196	PCB197 & 200	PCB198 & 199	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
FC001	LW2-BTFC001	0.199 U	3270	10.2	12.3	325	48.9	1.48 U	41.8	167	105	69.1	214	134	305	430	0.331 J	25.8	62.7	12	30.4	30.1	157000
FC002	LW2-BTFC002	0.313 J	5080	12.4	21	537	84.1	1.5 U	74.7	262	182	110	365	202	437	701	0.435 J	38.9	98.8	19.2	49	43.5	327000
FC003	LW2-BTFC003	0.637 U	2760	9.49	9.3	274	37.9	1.48 U	35.8	131	85.6	51.6	177	98.6	238	365	0.277 J	20.2	50	9.1	24.7	28.1	70400
FC004	LW2-BTFC004	0.157 U	3410	10.7	12	368	54.2	1.49 U	44.1	171	119	70.4	236	126	294	525	0.356 J	26.3	70.6	12.6	34.4	33.4	110000
FC005	LW2-BTFC005	0.634 U	5980	13.4	26.3	608	96.8	1.48 U	105	320	246	146	527	255	563	1010	0.516 J	48.1	177	32	90.4	59.9	306000
FC0061	LW2-BTFC006 Rep 1	0.677 T	9230 T	14.5 T	46.7 T	1020 T	165 T	1.47 UT	181 T	543 T	422 T	244 T	875 T	409 T	872 T	1730 T	0.656 T	79.5 T	291 T	50.9 T	128 T	61.9 T	513000 T
FC007	LW2-BTFC007	0.644 U	3220	10.4	12.9	346	51.2	1.5 U	47.8	177	117	68.5	229	126	289	510	0.228 J	26.6	73.8	13.3	35.8	34	108000
FC008	LW2-BTFC008	0.223 J	3670	10.6	15.3	361	57.6	1.49 U	63.9	192	152	81.3	341	152	363	594	0.276 J	31.1	92.7	17	51.7	42.7	99500
FC010	LW2-BTFC010	0.604 U	3280	10.4	13.3	357	52.4	1.4 U	50.9	174	122	70.2	231	123	280	497	0.288 J	26.6	68.6	12.3	34.8	35.5	81100
FC011	LW2-BTFC011	0.665 U	5030	14.3	16.1	410	61.3	1.55 U	65.4	206	143	78	287	149	330	576	0.422 J	32.3	79.1	16.6	39.8	47.8	127000
FC012	LW2-BTFC012	0.172 J	3300	10.3	12.1	351	51.3	1.45 U	49.4	168	123	71.1	255	126	284	488	0.404 J	25.3	73	14.6	38.3	48.3	89900
FC013	LW2-BTFC013	0.668 U	7160	14.6	48.3	586	90.4	1.55 U	323	332	279	162	1000	208	380	836	0.504 J	48.6	202	32.1	114	108	153000
FC014	LW2-BTFC014	0.634 U	2940	8.81	11.2	303	47.5	1.48 U	44.3	157	119	68	250	122	265	462	0.517 J	23.4	71.7	15.8	34.8	51.4	70600
FC015	LW2-BTFC015	0.661 U	3590	9.71	11.6	276	48.8	1.54 U	46	152	124	76.4	260	140	265	482	0.629 U	24.3	77.4	16.6	36.2	49.4	78200
FC016	LW2-BTFC016	2.64 U	105000	433	736	18500	3060	2.76 U	2490	10100	6870	4130	10100	7300	8040	20000	5.92	1710	1660	396	400	52.3	2660000
FC017	LW2-BTFC017	0.648 U	3370	11.1	14.5	349	55	1.51 U	63.2	201	124	75.9	254	132	311	473	0.849 U	29.8	91.6	17.8	41.9	62.9	111000
FC018	LW2-BTFC018	1.28	4040	10.1	12.6	334	52.2	1.55 U	47.7	182	118	78.8	239	139	277	482	1.56	29.1	95	21	41.3	72.1	91000
FC019	LW2-BTFC019	0.664 U	4050	11.9	13.1	367	52.1	1.54 U	55.2	203	148	86.2	337	143	308	585	0.235 U	29.2	72.7	14.6	35.7	35.2	97000
FC020	LW2-BTFC020	0.64 U	3290	10.7	13.2	312	49.2	1.49 U	63.5	181	118	72.1	243	125	311	441	0.419 J	26.2	79.7	16	42.4	55.9	99000
FC021	LW2-BTFC021	0.636 U	2790	8.34	10.1	280	40.6	1.48 U	47.3	164	99.4	60.3	198	112	266	405	0.3 J	23.3	71.5	13.7	36.8	53.3	90100
FC022	LW2-BTFC022	0.825 U	9440	38.8	50.7	1010	162	1.92 U	202	531	335	195	628	313	672	1130	0.59 J	76	173 J	32.7 J	74.5	73	240000
FC024	LW2-BTFC024	0.648 U	4130	14.8	14.9	398	57.4	1.51 U	53.9	207	123	77.7	234	154	371	533	0.3 U	30.1	73.2	14.3	37.1	42.3	183000
FC025	LW2-BTFC025	0.697 U	4990	16.6	17.9	456	68.6	1.62 U	77.9	278	182	112	356	215	484	708	0.379 U	40.8	109	21.6	60.8	85.2	155000
FC026	LW2-BTFC026	0.667 U	13800	57.8	92.2	1830	320	1.55 U	286	895	690	369	1120	571	887	1990	0.84	129	185	38.9	80.1	47.1	386000
FC0271	LW2-BTFC027 Rep 1	0.644 UT	2310 JT	19.7 JT	7.84 JT	231 T	33.3 T	1.5 UT	34.7 JT	132 T	84.1 JT	49.8 JT	167 T	92.1 JT	222 JT	347 JT	0.285 JT	19.5 JT	46.1 JT	9.92 JT	20.9 T	28.9 T	85400 JT
FC028	LW2-BTFC028	0.638 U	7200	14.7	34.7	847	143	1.48 U	141	521	358	200	675	339	804	1310	0.57 J	80.1	470	71.7	310	534	421000
FC029	LW2-BTFC029	0.674 U	9290	32.3	60	1100	190	1.57 U	200	522	429	237	752	341	606	1350	0.643 U	79.8	135	27.8	66.5	44.9	281000
FC030	LW2-BTFC030	0.648 U	6250	17.2	24.2	653	102	1.51 U	102	378	233	142	438	251	547	845	0.411 U	54.6	116	23.3	52.6	56.9	161000
FC031	LW2-BTFC031	0.619 U	2120	9.38	7.78	232	33	1.44 U	34.1	128	81.7	48.3	173	88.7	211	355	0.289 U	18.2	47.5	10.3	22.6	33.4	61300
FC032	LW2-BTFC032	10.7 U	24000	84.8	89.8	2220	389	24.8 U	409	1260	839	534	1610	775	1460	2480	30 U	181	298	58.5	93.4	36.1	459000
FC033	LW2-BTFC033	0.674 U	1840	7.23	5.05	155	22	1.57 U	20.1	89	54.7	33.9	114	64.2	151	237	0.177 U	13.5	34	7.06	15.6	21.9	50100
BT001	LW2-BTLC001	0.651 U	399	0.812 U	1.35 U	51.3	5.53	1.51 U	5.07	22.2	15.6	9.02	43	20.8	79.9	121	0.15 J	4.41	62.3	10.1	44.1	74.7	30700
BT002	LW2-BTLC002	0.647 U	570	1.06	2.66	73.7	10	1.5 U	12.4	40	29.4	16.2	82.8	31.8	115	160	0.239 J	6.4	84.8	14	59.7	93.4	73400
BT003	LW2-BTLC003	0.615 U	305	0.662 U	0.946	49.4	4.51	1.43 U	4.04	15.7	14.2	6.11	39.4	15.1	61	119	0.144 U	3.2	52.3	8.69	38	63.7	19100
BT004	LW2-BTLC004	0.618 U	274	0.602	0.918	49	4.63	1.44 U	4.16	17.7	14.2	6.21	36.3	14.4	58.3	130	0.161 U	3.23	50.3	8.08	35.8	60	19100
BT005	LW2-BTLC005	0.633 U	310	0.761	1.18 U	47.6	5.51	1.47 U	5.99	21.8	16	8.23	40.3	16.7	67.5	111	0.135 U	3.82	56.5	8.67	39.7	61.8	22600
BT0061	LW2-BTLC006-1	0.613 U	414	0.791	1.81	58.8	7.18	1.43 U	7.66	25.6	18.8	9.9	50.3	20.9	79.4	124	0.143 J	4.66	64.6	10.2	45.2	71.9	28700
BT0062	LW2-BTLC006-2	0.604 U	385	0.828 U	1.89	56.6	7.07	1.4 U	8.64	26.8	19.9	9.48	53.3	18.9	74.8	116	0.135 J	4.63	61.9	9.32	42.7	67.1	29700
BT007	LW2-BTLC007	0.704 U	796	2.05	3.49	104	12.3	1.64 U	14.7	51.1	37.9	19.4	122	42.2	178	196	0.271 J	9.25	143	22	98.3	157	49000
BT008	LW2-BTLC008	0.642 U	835	2.04	3.11	111	12.6	1.49 U	14.6	54.3	39.2	19.5	110	44.6	164	217	0.277 U	9.31	121	18.8	83.5	134	45500
BT009	LW2-BTLC009	0.628 U	343	0.708 U	1.01	54.9	5.54	1.46 U	4.79	18.7	15.1	7.14 U	40.1	16.6	66	120	0.17 U	3.7	54.6	9.21	39	63.6	21200
BT010	LW2-BTLC010	0.616 U	313	0.672 U	1.13	47	5.14	1.43 U	4.81	20	14.9	7.45	38.9	16.8	72.7	116	0.144 U	3.9	61.3	9.43	44	69.3	23000
BT011	LW2-BTLC011	0.645 U	292	0.617 U	0.916 U	51.9	4.35	1.5 U	4.07	17.3	12.5	5.85	35	13.5	58.9	122	0.097 U	3.31	50.5	8.38	36	59.3	19200
BT012	LW2-BTLC012	0.632 U	456	0.979 U	1.58 U	58.3	6.07	1.47 U	7.16	25.1	18.7	9.89	54.3	21.3	81.3	143	0.103 U	4.63	72.6	11.2	48.6	77.8	25200
BT013	LW2-BTLC013	0.62 U	480	1.04	2.88	71.4	8.66	1.44 U	12.7	32.1	28.1	12.1	65.4	22.5	78.5	136	0.145 J	5.18	63.9	9.45	43.2	66.6	27100
BT014	LW2-BTLC014	0.647 U	461	0.957 U	1.15 U	56.3	6	1.5 U	5.07	24.8	17.6	9.67	48.3	23.8	94.4	137	0.218 J	4.26	72	11.7	51.7	84.4	24700
BT015	LW2-BTLC015	0.644 U	501	1.05	1.41	62.1	6.68	1.5 U	6.11	28	19.2	10.4	55.3	24.8	105	147	0.199 J	4.93	81.4	12.9	58.1	96.1	26100
BT016	LW2-BTLC016	0.64 U	2040	4.31	14.9	255	50.3	1.49 U	66.2	168	138	54.9	279	71.6	162	312	0.182 U	23.6	89.6	14.1	50.3	77.9	81800
BT017	LW2-BTLC017	0.673 U	1040	2.21	4.09	141	15.6	1.57 U	17.9	64.4	45.6	24.5	132	53.3	201	266	0.494 J	11.6	166	25	115	185	167000
BT018	LW2-BTLC018	0.134 J	534	1.49	1.8	74	9.31	1.5 U	9.97	29.6	24.8	12	61.5	21.6	77.6	142	0.229 U	4.68	63	9.94	40.5	74.2	24600
BT019	LW2-BTLC019	0.645 U	477	1.07	1.37	58.5	6.64	1.5 U	6.6	29.2	18.9	10.8	60.6	25.8	107	136	0.193 J	5.1	83	13.1	59.6	97	27200
BT020	LW2-BTLC020	0.789 U	900	1.88	3.18	106	12.2	1.84 U	12.5	49.3	36.8	19.4	116	49.9	195	217	0.394 J	9.98	154	24.4	105	175	50700
BT021	LW2-BTLC021	1.58 U	372	0.594 U	1.5 U	48.4	5.19	3.68 U	6.21	21.4	16.6	8.51	44.2	18.1	65.8	108	4.45 U	3.86	54	8.24	37.3	60.6	24000
BT022	LW2-BTLC022	0.639 U	1630	4.74	6.97	179	23.4	1.49 U	28.9	93.1	68	34.5	179	64.8	221	283	0.347 J	14.5	141	22.8	95.6	160	74400
BT023	LW2-BTLC023	0.634 U	593	1.22	1.81	67.9	8.09	1.48 U	6.88	31.5	22.9	13	65.8	29.9	115	158	0.258 J	5.79	87	13.7	60.9	102	34100
BT024	LW2-BTLC024	0.666 U	1160	2.13	4.9	130	16.1	1.55 U	21.5	68.8	49.9	27	140	55.9	194	239	0.388 U	12.2	151	23.7	103	164	67900
BT025	LW2-BTLC025	0.622 U	358	0.842	1.43 U	57.4	5.38	1.45 U	6.66	22	17.1	8.4	48.1	18.7	76.6	130	0.159 J	4.04	64.4	9.93	44.1	69.9	24200
BT026	LW2-BTLC026	0.637 U	694	2.14	5.07	113	15.9	1.48 U	16.1	51	36	16.4	78.6	26.9	81.1	146	0.124 U	7.61	55.1	8.78	36.5	56.1	32300
BT0271	LW2-BTLC027-1	0.642 U	792	3.03	4.23	84.8	11.2	1.49 U	26.6	67.2	51.3	22.1	118	34.4	103	183	0.226 U	10.9	76.5	11.6	47.5	73.2	29000
BT0272	LW2-BTLC027-2	0.646 U	422	0.966	1.38	56.2	5.45	1.5 U	6.23	23.3	15.7	8.56	47.2	20.1	81.1	119	0.152 U	4.14	64	9.78	42.7	72.1	24500
BT028	LW2-BTLC028	0.641 U	922	1.1	5.56	133	17.8	1.49 U	22.7	62.9	48.2	22.8	120	37.5	119	210	0.197 U	9.63	119	15.5	72.8	129	189000
BT029	LW2-BTLC029	0.625 U	366	0.828 U	1.65	58.4	6.5	1.45 U	7.88	22.2	17.9	8.66	49.5	18.4	71.2	116	0.104 J	3.9	56.3	8.67	38.2	60.9	25000
BT030	LW2-BTLC030	5.1 U	616	1.24 U	3.09 U	70.8	7.77	11.9 U	9.94	38.3	23	13.8	70.1	38.2	109	148	14.3 U	6.38	87	14.5	60	96.7	34200
BT031	LW2-BTLC031	0.052 U	462	0.932	1.57	60.2	6.03	1.5 U	6.65	24.3	17.5	9.36	54.2	22.9	90.6	132	0.163 U	4.71	75.8	11.7	51.6	86.4	28000
BT032	LW2-BTLC032	0.642 U	1970	4.7	13.8	248	39.4	1.49 U	77.7	163	132	55.4	282	69.8	164	320	0.199 J	22.8	97.2	15.4	52.5	78.3	60000
BT033	LW2-BTLC033	0.622 U	422	1.24	1.21	57.3	6.43	1.45 U	6.01	27.5	18.1	10.9	56.2	25.4	101	138	0.214 U	4.96	79.4	13	55.5	92.9	25000
BT001	LW2-BTLW001	0.544 J	6200	7.33	71.6	446	45	1.49 U	388	275	168	145	1080	127	232	553	0.521 J	38.7	184	28.5	91.4	89.3	402000
BT002	LW2-BTLW002	2.88	25000	12.6	311	2680	256	3.72 U	1670	1260	941	805	5630	657	1020	3290	1.65	192	739	128	319	200	2970000
BT003	LW2-BTLW003	0.642 U	3010	6.84	33.3	208	15.4	1.49 U	173	150	89.6	82.8	604	71.9	137	340	0.33 J	23.1	141 J	42 J	66.8	81.4	48900
BT004	LW2-BTLW004	0.646 U	1540	4.48	23.4	151	8.61	1.5 U	114	116	63.6	55.2	399	49.8	107	251	0.283 J	17.9	136 J	37.3 J	63.6	73.6	44800
BT005	LW2-BTLW005	0.637 U	14800	16.7	112	743	85.4	1.48 U	650	429	340	259	2070	240	416	1120	0.874 U	69.7	543 J	127 J	253	233	302000
BT0061	LW2-BTLW006-1	0.644 U	17700	14.3	178	1160	106	1.5 U	931	701	478	425	3180	368	673	1770	0.747 U	104	664 J	187 J	261	135	527000
BT0062	LW2-BTLW006-2	0.648 U	20600	15.1	202	1290	136	1.51 U	1190	789	593	480	3730	410	747	2040	0.954 U	119	741 J	204 J	286	139	656000
BT007	LW2-BTLW007	0.453 U	3580	9.45	46.3	231	17.7	1.48 U	230	204	96.1	100	702	92.6	195	416	0.458 U	31.5	198 J	33.2 J	119	109	85000
BT008	LW2-BTLW008	0.547 J	7620	10.6	74	444	59.6	1.45 U	526	278	254	153	1360	138	284	744	0.585	45.8	366 J	18.2 J	136	124	147000
BT009	LW2-BTLW009	0.598 U	7830	11.3	75.6	475	49.3	1.39 U	433	325	224	164	1230	140	243	705	0.533 J	48	261 J	74.9 J	116	118	131000
BT010	LW2-BTLW010	0.646 U	6520	11.6	52.1	338	47.9	1.5 U	353	197	190	141	947	116	200	500	0.493 J	34.5	214 J	57.1 J	108	124	112000
BT011	LW2-BTLW011	0.632 U	6500	10.2	60.1	390	42.5	1.47 U	377	268	193	142	1150	128	249	649	0.701 U	41.1	269 J	76.8 J	121	153	108000
BT012	LW2-BTLW012	2.33	15600	26.5	110	805	92.5	1.49 U	916	568	420	326	2910	332	747	1380	2.15	77.5	1100 J	110 J	625	730	331000
BT013	LW2-BTLW013	0.679 J	23900	26.4	281	1720	238	1.87 U	1860	973	861	472	3770	384	663	2010	1.27	154	1030 J	99.4 J	467	346	282000
BT014	LW2-BTLW014	0.594	5110	7.24	32.6	297	29.8	1.48 U	207	145	124	96.4	792	78.5	159	461	0.658	22.2	155	22	90.8	111	76800

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Table C2-53b. PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 2 of 2).

	CAS No	PCB139_140	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB147_149	74472-41-6	38380-04-0	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	33979-03-2	38380-08-4	PCB156_157	69782-90-7	74472-42-7	39635-35-3	74472-43-8	39635-34-2
	Chemical Name	PCB139 & 140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB147 & 149	PCB148	PCB149	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB155	PCB156	PCB156 & 157	PCB157	PCB158	PCB159	PCB161	PCB162
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																						
BT015	LW2-BTLW015	72.9	429	10.1 U	202	1.18 U	1180	5620	30.3		26.4		7.34		5530	3.45		373		330	43	7.07 U	14.2
BT016	LW2-BTLW016	1720	29700	279 U	11800	101	58300	381000	2040		1920		2280		357000	564		10700		17500	2970	195 U	223
BT017	LW2-BTLW017	600	1880	35.1 U	967	17.7	3880	21800	103		80		27.8		15900	29.1		1710		1440	148 U	25.4 U	59
BT018	LW2-BTLW018	247	1370	15.7	586	3.47	3620	14100	116		78.6		9.66		12100	7.67		767		802	116	2.54 U	24.5
BT019	LW2-BTLW019	82.9	417	17.8 U	228	1.27	1560	6720	44.1		35.8		13.5		7170	5.7		399		388	55.4	12.4 U	17
BT020	LW2-BTLW020	80.1	487	4.74 U	217	1.11	1210	6630	26.1		22.8		6.74		5810	2.81		368		374	44.7	3.38 U	13.9
BT021	LW2-BTLW021	120	915	4.54 U	364	1.83	1980	9920	42.3		36.3		9.4		8730	3.63		620		560	82.8	3.04 U	20.8
BT022	LW2-BTLW022	619	2320	21.7 U	1140	5.98	9370	41600	279		258		55		33900	15.4		2060		1780	242	14.5 U	65.3
BT023	LW2-BTLW023	549	986	41.8 U	885	9.51	5600	25100	122		92		31.1		21900	6.39		2130		1590	99.1	29.1 U	69.8
BT024	LW2-BTLW024	574	2250	24.2 U	1180	9.63	6490	33300	101		88.9		39		29300	4.51		2990		2260	191	16.2 U	97.7
BT025	LW2-BTLW025	171	1290	7.91 U	431	2.12	2640	12100	64.6		53.6		14.8		10500	4.56		700		673	110	5.29 U	24
BT026	LW2-BTLW026	881	4270	39.4 U	2250	10.6	13600	80700	570		780		295		62900	42.4		2670		3160	445	28.5 U	72
BT0271	LW2-BTLW027-1	147	634	5.34 U	309	1.59 J	2360	10900	102		116		25.1		9520	11.8		474		496	80.5	5.32 U	20.2
BT0272	LW2-BTLW027-2	145	847	2.45 U	288	1.08	2410	10900	93.5		99.8		15.8		10600	9.75		402		479	74.5	1.75 U	16.3
BT028	LW2-BTLW028	976	9060	104 U	3750	32.8	9760	80000	91		87.6		55.4		53800	2.37 U		6550		5970	508	73 U	119
BT029	LW2-BTLW029	182	1510	11.6 U	595	2.36	3070	16500	65.9		78.1		24.9		14900	4.4		975		990	149	7.79 U	34.5
BT030	LW2-BTLW030	181	1110	2.76 U	628	3.28	3290	16000	95.2		61.2		28.7		24100	9.53		655		1000	84.5	1.97 U	18.1
BT031	LW2-BTLW031	67.3	481	3.19 U	194	0.992	1110	6230	32.9		43.6		13		5590	5.75		328		323	39.6	2.2 U	9.99
BT032	LW2-BTLW032	865	20100	32.3 U	5710	6.15 J	19700	150000	597		992		263		122000	56.6		3010		6510	1580	23.3 U	69.4
BT033	LW2-BTLW033	58.2	454	5.88 U	212	0.578	950	5270	34.1		45		14.3		4850	6.56		306		313	40.6	4.08 U	10.9
MIT001	LW2-MIT001	47.6	498	0.611 U	107	1.28 U	508	2230	15.5		11.7		8.84		2540	3.11		238		263	21.3	0.404 U	7.26
MIT002	LW2-MIT002	50.2	498	0.649 U	104	0.853	435	2000	5.96		4.32		3.29		2820	0.649 U		263		263	19.2	0.474 U	7.75
MIT356	LW2-MIT003/005/006	52.2	590	0.434 U	126	1.04 U	707	2800	24.9		19.7		9.99		2990	3.61		224		276	29.3	0.435 U	5.27
MIT004	LW2-MIT004	279	9970	3.02 U	1570	8.67	7310	34600	331		183		268		49600	109		2250		2810	555	2.21 U	46.9
MIT007	LW2-MIT007	38.4	501	2.71 U	90.4	0.502 U	655	2180	19.4		14		7.44		3580	1.99 U		176		196	15.7	3.06 U	4.75 U
MIT810	LW2-MIT008/010	38.2	436	0.403 U	85.5	0.62 U	483	1900	15.4		12		5.29		2340	2.1		171		201	20.1	0.455 U	4.98 U
MIT009	LW2-MIT009	73.2	1280	0.64 U	238	0.83 U	1540	5200	43.1		32.8		10.5		7330	3.47		299		461	66.4	0.511 U	8.47 U
T01	LW2-T01 SC	51.8	1230	2.48 U	159	0.28 J	1680	3200	13.4		3.29 U		1.73 U		8470	2.66 U		715		661	47.8	2.8 U	25.3
T01	LW2-T01-NOAA SC	37.4	781	4.79 U	149	0.985 J	736	3120	7.43		3.99 J		2.58 J		4470	0.936 U		279		354	49.4	5.42 U	12.3
T01	LW2-T01-REP1	95.2	6660	4.96 U	1060	1.54	4060	19700	34.2		21.4		10.3		31300	5.58		1690		2080	400	3.48 U	35.3
T01	LW2-T01-REP2	62	1250	1.88 U	205	0.49	1220	3710	11		4.89		1.62		8130	2.18		608		581	52.8	1.32 U	21
T01	LW2-T01-REP3	56.4	1170	1.85 U	191	0.534	1160	3340	11.4		4.79		1.54		8050	2.3		553		562	50.1	1.3 U	17.9
T02	LW2-T02 SC	41.1 U	598	3.93 U	107	0.616 J	669	2220	6.65 U		3.1 J		1.21 J		3820	0.769 U		306		312	32.2	4.44 U	12.6
T02	LW2-T02-NOAA SC	43.1	466	2.19 U	90.8	0.581 U	563	1930	6.93		3.19 J		1.87 U		2760	1.07 U		199		233	18.4	4.29 U	7 U
T02	LW2-T02-REP1	69.7	1230	3.4	191	0.706 U	1270	3870	14.6		4.56		1.25		7470	1.63		517		517	52.6	1.14 U	19.8
T02	LW2-T02-REP2	73.7	1370	2.41 U	204	0.727	1390	4210	13.8		5.17		1.56		8790	1.76		749		659	65.4	1.73 U	25.3
T02	LW2-T02-REP3	83.9	1380	1.35 U	236	0.976	1430	4720	16.2		6.06		1.92		8670	2.02		656		669	67.7	0.967 U	20
T03	LW2-T03 SC	80.7	3700	2.72 U	702	5 U	2970	12400	29.7		21.6		5.65		17700	2.47 J		504		1080	180	3.08 U	26.3
T03	LW2-T03-REP1	144	4510	1.9 U	763	1.22	4500	18100	64.4		48.4		12.6		27800	5.65		1030		1560	270	1.36 U	38.1
T03	LW2-T03-REP2	133	2250	4.11 U	351	0.627	3060	8870	87.9		66.3		17.7		15800	5.89		564		802	148	2.95 U	26
T03	LW2-T03-REP3	176	3180	4.8 U	536	1.53	3670	13000	82.1		68.6		16.8		22000	6.51		1070		1270	177	3.44 U	40.6
T04	LW2-T04 SC	10.6	99.8	0.915 U	17.4	0.122 U	171	466	1.14 U		0.497 U		0.105 U		842	0.488 J		83.8		73.4	4.34 U	1.03 U	4.3
T04	LW2-T04-REP1	13.2	138	0.566 U	24.1	0.109 J	209	588	1.53		0.875		0.214 J		1270	0.913		111		96.1	8.46	0.503 U	4.93
T04	LW2-T04-REP2	24.3	251	1.05 U	47.9	0.251 J	350	985	2.88		1.7		0.379 J		2120	1.12		196		173	12.9	0.752 U	7.67
T04	LW2-T04-REP3	18.7	167	0.686 U	31.1	0.177 J	252	656	2.01		1.04		0.234 J		1590	1.05		147		122	8.81	0.5 U	6.05
02R001	LWG0102R001TSCRWBC00	31.3 J	8.41 U	6.01 U	30.7	2.36 U	1180	381 J	4.83 U		2.16 U		5.71 U		6660 J	4.32 U	706		121	69.6	5.28 U	6.66 U	22.5
02R001	LWG0102R001TSSPWBC00	1780 J	10300	16.2	1040	8.05	11200	5330 J	54.9		8.34		78.4		74100 J	8.17	7200		1490	9350	55.2	12.2 U	290
03R003	LWG0103R003TSCRWBC00	25.6 J	8.37 U	5.99 U	49.2	2.35 U	1880	572 J	4.82 U		2.15 U		5.68 U		8980 J	4.31 U	730		88.1	158	18.6	6.63 U	21.4
03R004	LWG0103R004TSCRWBC00	13.6 J	63.6	6.02 U	22	2.36 U	697	315 J	4.84 U		2.16 U		5.71 U		3610 J	4.33 U	522		84.8	71	5.28 U	6.67 U	17.5
03R004	LWG0103R004TSSPWBC10	800 JT	5250 T	10.6 UT	576 T	4.93 T	5910 T	4280 JT	32.4 T		6.97 T		24.3 T		40700 JT	7.61 UT	4130 T		890 T	4520 T	45.6 T	11.7 UT	170 T
03R005	LWG0103R005TSCRWBC00	54.8 J	513	6.06 U	136	2.38 U	4880	1750 J	5.66		3.98		5.75 U		30700 J	4.36 U	1790		258	567	48	6.71 U	49.5
03R005	LWG0103R005TSSPWBC00	1070 J	11700	11 U	1380	4.3 U	12200	8450 J	68.2		11.9		37.7		81100 J	12	3990		945	7160	123	12.1 U	202
03R014	LWG0103R014TSSBWBC00	1000 J	9100	5.93 U	1570	7.73	10900	20000 J	125		52.9		53.1		65400 J	17.8	4470		899	5610	182	6.57 U	188
04R023	LWG0104R023TSSBWBC10	1140 J	10900	9.93 U	1760	5.72	13700	23600 J	144		56.4		40.5		86000 J	17.9	6030		1220	7460	240	6.77 U	247
04R023	LWG0104R023TSSBWBC20	585 J	5390	6.02 U	897	4.11	7320	10600 J	66.9		26.2		23.7		44900 J	11.4	3160		577	3570	120	6.67 U	125
04R023	LWG0104R023TSSBWBC30	503 J	3960	6.06 U	807	5.16	5570	10600 J	67.4		26.6		27.5		34600 J	9.67	2920		558	2890	100	6.71 U	123
05R006	LWG0105R006TSSBWBC00	596 JT	4790 T	6.02 UT	758 T	3.97 JT	5860 T	9190 JT	85.1 T		32.2 T		30.3 T		38700 JT	15.4 T	3250 T		638 T	3370 T	98.5 T	6.18 UT	119 T
06R002	LWG0106R002TSSPWBC10	294 J	6650	4.76 U	758	1.65	7920	6060 J	102		18.1		65.1		59800 J	42.6	2800		236	3250	124	3.3 U	84.4
06R002	LWG0106R002TSSPWBC20	1220 J	48200	13.8	5690	9.73	32100	18900 J	459		36.1		472		369000 J	278	15300		787	20800	714	6.71 U	267
06R004	LWG0106R004TSCRWBC10	15.7 U	76.1	11.1 U	21.3	4.36 U	430	206 J	8.92 U		3.99 U		10.5 U		2280 J	7.98 U	207		33.4	61.6	9.74 U	12.3 U	14.7 U
06R004	LWG0106R004TSCRWBC20	15.5 U	15.4 U	11 U	8.24 U	4.31 U	628	76.4 J	8.83 U		3.95 U		10.4 U		3500 J	7.9 U	278		29.7	8.88 U	9.64 U	12.2 U	14.6 U
06R004	LWG0106R004TSSPWBC00	269 J	2480	6.03 U	267	2.37 U	3220	1650 J	36.4		6.23		14.8		22100 J	9.46 J	1620		286	1790	30.5	6.68 U	68.4
06R024	LWG0106R024TSSBWBC00	449 JT	4790 T	4.99 UT	787 T	2.71 JT	7140 T	12200 JT	80.7 T		36.1 T		19.2 T		42800 JT	11.8 T	2510 T		425 T	2890 T	123 T	5.53 UT	111 T
06R031	LWG0106R031TSCRWBC00	8.6 U	147	6.09 U	40.9	2.39 U	749	456 J	4.9 U		2.19 U		5.78 U		4130 J	4.38 U	274		26.9	62.9	5.34 U	6.74 U	8.07 U
07R006	LWG0107R006TSCRWBC00	15.4 U	48.1	10.9 U	16.4	4.29 U	900	203 J	8.78 U		3.92 U		10.4 U		4550 J	7.85 U	310		40.5	45.4	9.58 U	12.1 U	14.5 U
07R006	LWG0107R006TSSPWBC00	603 J	4520	49.9	456	3.28	5090	2730 J	47.9		5.89		28.5		32000 J	11.2	2750		521	3150	44.6	6.74 U	107
07R009	LWG0107R009TSSBWBC10	630 J	7680	1.34 U	986	2.58	12300	13300 J	149		48.4		60.5		68600 J	49.6	4400		534	4670	168	0.905 U	142
07R009	LWG0107R009TSSBWBC20	564 J	7150	6.13 U	1280	3.72	10500	15000 J	123		58.3		38.7		62000 J	26.9	3820		528	3870	5.38 U	6.79 U	98.2
07R009	LWG0107R009TSSBWBC30	622 J	5730	6.02 U	887	2.36 U	9070	14500 J	119		54.5		33.1		52200 J	16.7	3400		544	3570	168	6.67 U	90.5
08R003	LWG0108R003TSCRWBC00	15.4 U	94.2	10.9 U	22.4	4.28 U	1600	353 J	8.77 U		3.92 U		10.4 U		7720 J	7.84 U	458		49.9	66.5	10.4	12.1 U	14.6
08R003	LWG0108R003TSSPWBC00	421 J	5080	6.06 U	528	2.38 U	6490	3250 J	93.3		14.6		33.5		50300 J	28.1	2630		356	3610	55.3	6.71 U	99.3
08R010	LWG0108R010TSSBWBC10	3840 J	91300	34.1 U	18500	11.6	94300	188000 J	1210		723		320		633000 J	82.2	29200		2000	40000	3370	23.2 U	559
08R010	LWG0108R010TSSBWBC20	908 J	17200	7.16 U	2690	2.41 U	20900	26100 J	286		115		80.8		167000 J	31.2	7900		692	9510	474	6.79 U	195
08R010	LWG0108R010TSSBWBC30	1670 J	66300	20.8 U	15500	7.26	80400	126000 J	502		271		123		538000 J	41.4	25600		1490	33100	2410	14.1 U	449
08R032	LWG0108R032TSSBWBC00	835 J	10100	2.56 U	1460	2.68	15200	16000	242		78.6		66.2		83900	29.1	5510		715	6160	192	1.73 U	161
09R002	LWG0109R002TSCRWBC00	15.4 U	219	10.9 U	50.8	4.3 U	3070	895 J	9.92		4.51		10.4 U		12400 J	7.87 U	641		65.9	133	29.3	12.1 U	26
09R002	LWG0109R002TSSPWBC00	1130 J	12400	1.55 U	1310	2.14	20700	16800 J	192		35.1		50.9		106000 J	19.4	5070		839	7230	198	1.36 U	237
09R006	LWG0109R006TSSBWBC00	882 J	8690	5.99 U	1560	5.7 J	11900	19000 J	142		50.6		64.6		77000 J	24	6700		1260	5750	217	6.63 U	248
20R001	LWG0120R001TSBBWBC10	29.2 J	326	11.1 U	37.8	4.37 U	615	804 J	8.96 U		4 U		10.6 U		1520 J	8.01 U	257		49.5	231	19.2 J	12.3 U	14.8 U
20R001	LWG0120R001TSBBWBC20	51.5 J	954	10.5 U	103	4.12 U	1550	1780 J	11.3 J		3.77 U		9.96 U		2560 J	7.55 U	571		101	562	64	11.6 U	25.6 J
20R001	LWG0120R001TSSBWBC10	179 J	1630	11 U	228	4.34 U	2280	2040 J	14.5		5.54		10.5 U		16100 J	7.94 U	1420		260	1310	53.3	12.2 U	57.2

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2)

	CAS No	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	PCB171_173	52663-74-8	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	52663-69-1	PCB183_185	74472-48-3
	Chemical Name	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171 & 173	PCB172	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB183	PCB183 & 185	PCB184
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	Sample ID																						
BT015	LW2-BTLW015	356	11.6		147		8.63 U	828	284	159	918	44	174	784	350	638		886	15.4	12		894	2.41
BT016	LW2-BTLW016	22700	826		5010		234 U	59600	16200	10500	54600	2750	9950	39000	17300	37300		50700	430	3.26 U		47000	53.2
BT017	LW2-BTLW017	1360	27.4 U		536		12.8 U	2400	911	460	3000	137	526	2140	989	1930		2830	162	29.5		2610	22.2
BT018	LW2-BTLW018	903	32.5		305		7.57 U	2300	826	451	2720	128	523	2230	961	1840		2480	164	2.57 U		2490	5.58
BT019	LW2-BTLW019	437	14.5 U		171		15.5 U	1210	391	237	1240	63.3	235	1070	512	909		1040	9.04	2.55 U		1190	2.88
BT020	LW2-BTLW020	414	8.45		150		3.34 U	739	251	145	974	41.4	165	733	323	620		884	8.51	7.04		817	1.9
BT021	LW2-BTLW021	643	13.5		238		3.96 U	1530	458	284	1770	77.7	292	1250	553	1080		1990	14.3	12.8		1480	2.58
BT022	LW2-BTLW022	2410	70.5		813		11.7 U	4930	1610	865	5210	234	987	4410	1910	3900		4510	39.8	46.6		4530	6.97
BT023	LW2-BTLW023	1870	34 U		699		38 U	2090	895	339	2130	134	557	2110	945	1840		1280	30.4	23.5		2060	5.1
BT024	LW2-BTLW024	2400	19.3		1060		8.51 U	3980	1240	721	4220	187	749	3280	1290	2680		3550	54.4	29.6		3420	4.5
BT025	LW2-BTLW025	795	17.8		286		5.9 U	1780	551	360	2320	92.8	363	1590	691	1380		2880	13.7	19.3		1830	2.89
BT026	LW2-BTLW026	3820	167		1140		35.8 U	9540	3340	1530	10600	455	2010	8560	3610	7470		9020	67.4	86.5		9140	11.7 U
BT0271	LW2-BTLW027-1	640	34.8		204		10.5 U	1470	490	289	1600	81.4	322	1390	702	1260		1270	11.9	8.73		1380	3.47 U
BT0272	LW2-BTLW027-2	595	31.2		184		5.96 U	1350	395	264	1560	65	293	1160	594	1070		1790	8.76	18.9		1320	3.06
BT028	LW2-BTLW028	5370	83.9 U		2010		29.3 U	7540	2470	1250	10300	397	1600	5530	2350	5500		10200	78.1	46.9 U		7980	5.78 J
BT029	LW2-BTLW029	1100	19.1		437		9.1 U	3100	935	562	3350	141	534	2350	921	1910		3230	19.2	22.1		2500	3.49
BT030	LW2-BTLW030	843	24.4		420		6.75 U	1370	825	227	1770	136	549	1980	1040	1830		3600	14	15.9		2510	3.96
BT031	LW2-BTLW031	353	15.7		139		1.58 U	824	256	158	922	39.1	172	735	330	653		908	6.01	6.81		765	2.15
BT032	LW2-BTLW032	7010	179		1960		102 U	25500	8140	4700	37700	1280	4940	20600	8780	18900		54000	108	188		27800	19.3
BT033	LW2-BTLW033	340	16.1		129		4.74 U	1100	359	222	1210	54.4	204	974	423	781		1190	7.22	11.9		1050	2.53
MIT001	LW2-MIT001	190	4.17		92.4		0.97 U	531	186	89.8	551	26.6	78.7	425	175	323		1310	5.32	5.97		496	0.987
MIT002	LW2-MIT002	174	1.55		102		0.678 U	476	152	88.7	493	23.7	57.6	313	129	222		1250	4.87	4.02 U		431	0.472 U
MIT356	LW2-MIT003/005/006	219	6		94.7		2.13 U	665	250	122	736	36.8	105	539	251	445		1660	25.7	8.27		656	1.84
MIT004	LW2-MIT004	2570	106		1050		15.9 U	17100	4710	2670	16300	700	1740	10500	4160	6920		43200	95.5	94.6		14800	7.46
MIT007	LW2-MIT007	155	4.35		80.9		2.44 U	667	167	105	420	26.2	42.6	372	151	179		1630	4.25	7.17		489	0.45 J
MIT810	LW2-MIT008/010	161	3.79		70.5		1.6 U	501	172	88.4	539	26	65.5	389	176	282		1310	4.25 U	6.73		492	1.11 U
MIT009	LW2-MIT009	396	9.16		145		3.95 U	2030	608	321	1850	78.4	172	1370	477	632		5370	9	17.6		1670	1.28
T01	LW2-T01 SC	356	11		329		5.35 U	2610	552	617	1180	93.1	95.3	1460	656	309		6820	13.4	8.36 U		1580	1.28 U
T01	LW2-T01-NOAA SC	257	3.7 J		140		1.94 U	997	345	252	1180	40	113	708	325	471		2720	7.13 U	8.18 U		938	1.22 J
T01	LW2-T01-REP1	1690	17.2		684		49.2 U	12500	3480	2130	10400	404	1070	7280	2090	3030		31300	37.3	25.1		8900	2.53
T01	LW2-T01-REP2	372	4.9		252		10.1 U	1920	464	386	1290	66.1	108	1080	432	367		5410	11	9.41		1390	1.59
T01	LW2-T01-REP3	356	4.92		232		11.5 U	1950	467	391	1170	68.8	99.5	961	433	334		5610	10.7	8.78		1440	1.59
T02	LW2-T02 SC	216	2.85 U		134		1.41 U	820	227	191	703	35.4	64.1	483	254	227		2270	19.4	6.9		685	1.27 U
T02	LW2-T02-NOAA SC	141	2.76 U		76.2		1.07 U	598	159	125	453	23.4	38.5	364	160	150		1530	20.7	5.18		454	1.53 U
T02	LW2-T02-REP1	349	5.01		224		7.14 U	1940	451	387	1340	66.7	106	1200	407	337		5530	47.4	12.2		1440	2.14
T02	LW2-T02-REP2	398	5.23		315		9.93 U	2200	508	394	1530	82.6	110	1120	430	358		7140	35.5	14.8		1780	2.36
T02	LW2-T02-REP3	421	5.51		254		8.35 U	2020	498	390	1550	76	133	1090	463	435		5600	34.1	13.3		1560	2.38
T03	LW2-T03 SC	944	12		418		8.85 U	5340	1480	1060	4600	204	429	3030	1170	1310		15000	17.9	26		4410	4.73 U
T03	LW2-T03-REP1	1320	21.3		622		28.6 U	9220	2180	1660	7100	314	564	6150	1940	2100		23900	28.5	48.5		6590	3.61
T03	LW2-T03-REP2	628	25.8		314		17.9 U	4490	1050	888	3580	161	272	3120	1190	1090		12700	17.6	45.4		3350	3.19
T03	LW2-T03-REP3	897	27		526		17.7 U	5580	1320	1060	4180	201	356	3430	1290	1300		15600	25.4	43.8		4050	3.47
T04	LW2-T04 SC	42.1	0.36 U		36.2		0.316 U	149	37.9	35.9	103	6.84	9.6	85.7	44.7	43		424	1.43 U	1.37		114	0.707 J
T04	LW2-T04-REP1	60.6	0.856		46.1		1.49 U	237	56.5	50.1	170	8.98	14.1	148	65.3	51.8		673	2.12 U	2.43		180	0.926
T04	LW2-T04-REP2	93.1	1.35		77.2		2.33 U	399	101	82.5	266	16.2	28	249	100	84		1120	3.47	3.2		305	1.35
T04	LW2-T04-REP3	64.5	0.874		57.9		1.79 U	279	64.8	59	172	10.9	16	160	73.6	53.5		825	2.57	2.33		205	1.22
02R001	LWG0102R.001TSCRWBC00	23.3	5.5 U		322		0.722 U	593	69 J	64.1	58	18.6	11.7	194	72.5	16		2780 J	12.6	7.98 U		432 J	7.04 U
02R001	LWG0102R.001TSSPWBC00	2350	29.5		2380		1.87	9440	2780 J	1630	900	215	78.5	1270	1890	1130		22800 J	139	60.9		6190 J	12.9 U
03R003	LWG0103R.003TSCRWBC00	73.7	6.12		376		0.819	1700	215 J	237	426	91.4	34.7	1060	808	71.7		16800 J	35.8	7.95 U		1690 J	7.01 U
03R004	LWG0103R.004TSCRWBC00	34.1	5.5 U		230		0.722 U	381	43.7 J	61.6	95.8	15.8	11	193	85.5	25.6		2090 J	11.2	7.99 U		253 J	7.05 U
03R004	LWG0103R.004TSSPWBC10	1420 T	16.1 T		1670 T		1.56 T	6060 T	1760 JT	994 T	931 T	156 T	79.1 T	1000 T	1230 T	811 T		16600 JT	86 T	46.6 T		4540 JT	12.4 UT
03R005	LWG0103R.005TSCRWBC00	215	8.33		1050		1.54	7420	674 J	699	884	278	71.9	1880	2160	149		44900 J	39.5	8.04 U		5770 J	7.1 U
03R005	LWG0103R.005TSSPWBC00	2600	41.4		1960		2.33	13600	4170 J	2620	2520	438	215	3390	3840	3320		41400 J	97.7	77.1		11900 J	12.8 U
03R014	LWG0103R.014TSSBWBC00	2310	46		1910		3.19	10600	3510 J	2070	4520	411	538	4460	3040	3060		30800 J	109	80		9180 J	16.5
04R023	LWG0104R.023TSSBWBC10	2950	50.5		2640		4.44	16000	4820 J	3030	6220	560	710	6460	4010	3750		46700 J	153	97.9		12600 J	16.9
04R023	LWG0104R.023TSSBWBC20	1490	36.1		1220		2.6	8530	2630 J	1520	2920	295	366	3170	1980	1870		25900 J	78.2	63.1		6650 J	10.3
04R023	LWG0104R.023TSSBWBC30	1230	29.1		1130		2.37	6440	1780 J	1240	2280	221	288	2310	1570	1450		19400 J	66.4	41.1		5010 J	7.93
05R006	LWG0105R.006TSSBWBC00	1390 T	35.6 T		1240 T		2.54 T	8500 T	2500 JT	1420 T	2380 T	240 T	263 T	2530 T	1800 T	1540 T		22600 JT	92.7 T	54.8 T		5970 JT	11 T
06R002	LWG0106R.002TSSPWBC10	1490	59.4		1140		1.78	16000	4110 J	2880	2780	451	226	3390	3330	2200		51800 J	91.8	57.7		12000 J	7.28
06R002	LWG0106R.002TSSPWBC20	6710	207		4800		6.39	154000	47300 J	25200	20500	4370	1590	36000	25600	23400		385000 J	661	325		110000 J	38.1
06R004	LWG0106R.004TSCRWBC10	47.1	10.1 U		126		0.736 U	259	38.6 J	41.6	85 J	19.2 U	7.34	127	63.2	17.3		1470 J	13.5 U	14.7 U		204 J	13 U
06R004	LWG0106R.004TSCRWBC20	12 U	10 U		161		0.729 U	598	27.7 U	23.6	17.8	19.1 U	6.9 U	130	15.8	11.8 U		3850 J	13.4 U	14.6 U		199 J	12.9 U
06R004	LWG0106R.004TSSPWBC00	464	23.1		524		1.25	7110	1860 J	1050	709	147	62	951	1240	760		18800 J	135	38.6		4390 J	8.23
06R024	LWG0106R.024TSSBWBC00	1260 T	38.2 T		1140 T		2.8 T	8670 T	2490 JT	1710 T	3020 T	320 T	379 T	3690 T	2160 T	1680 T		31400 JT	79.8 T	53.3 T		6560 JT	8.99 JT
06R031	LWG0106R.031TSCRWBC00	46.1	5.57 U		153		0.729 U	681	91.9 J	110	250	31.8	29.8	376	164	46.2		3530 J	9	8.08 U		552 J	7.13 U
07R006	LWG0107R.006TSCRWBC00	15.7	9.99 U		161		0.722 U	675	41.3 J	102	58.6	19.6	8.84	170	95.3	12.2		3540 J	65.4	14.5 U		442 J	12.8 U
07R006	LWG0107R.006TSSPWBC00	977	30.2		710		2.25	8650	2330 J	1360	966	198	75.3	1230	1650	926		22100 J	1290	54.4		5570 J	18
07R009	LWG0107R.009TSSBWBC10	1560	72.4		1640		3.24	17600	4910 J	3070	4540	569	383	5590	4230	2260		56200 J	147	113		14100	12.3
07R009	LWG0107R.009TSSBWBC20	1830	52.7		1580		3.13	13500	3460 J	2900	6340	572	624	6030	3660	2200		48300 J	333	91.2		11700 J	11.3
07R009	LWG0107R.009TSSBWBC30	1560	54.8		1350		2.65	11200	3270 J	2000	3450	383	403	4000	2780	2220		33300 J	122	76.3		8720 J	9.66
08R003	LWG0108R.003TSCRWBC00	47	9.98 U		256		0.722 U	1270	119 J	163	174	48.5	15.9	422	177	37.2		7660 J	13.9	14.5 U		893 J	12.8 U
08R003	LWG0108R.003TSSPWBC00	1090	61.2		1090		2.1	14900	4720 J	2390	1460	331	101	1940	2900	1690		41600 J	108	78.2		10800 J	9.13
08R010	LWG0108R.010TSSBWBC10	22300	328		11800		6.52	216000	66400 J	33400	98400	7260	10500	93700	38100	54100		536000 J	994	780		165000 J	56.8
08R010	LWG0108R.010TSSBWBC20	4330	107		3180		5.46	55200	14400 J	8900	13300	1540	1160	15300	8920	6390		134000 J	247	221		35700 J	11.6
08R010	LWG0108R.010TSSBWBC30	15400	203		11300		6.16	162000	45600 J	29600	67200	6430	7810	86400	31700	32700		444000 J	761	375		121000 J	31.9
08R032	LWG0108R.032TSSBWBC00	2280	84.1		1950		3.61	21800	6670 J	3930	5570	739	584	6780	5500	4150		61400 J	145	137		16300 J	15.7
09R002	LWG0109R.002TSCRWBC00	94.2	15.8		647		1.67	2410	158 J	210	534	61.8	46.6	867	387	128		23800 J	21.5	14.5 U		1040 J	12.8 U
09R002	LWG0109R.002TSSPWBC00	3720	111		2090		4.5	23800	7080 J	4900	4430	631	279	5430	5880	3440		74700 J	122	163		18400 J	14.5
09R006	LWG0109R.006TSSBWBC00	2680	59.3		2620		3.36	16600	4670 J	2710	5380	502	608	5620	3260	3060		44100 J	159	95.2		11300 J	14.2
20R001	LWG0120R.001TSBBWBC10	114	10.2 U		134		0.885	568	147 J	119	317	25.2	28.1	334	145	146		1770 J	13.6 U	14.8 U		333 J	13 U
20R001	LWG0120R.001TSBBWBC20	292	9.6 U		290		1.18	2180	608 J	471	1110	80.4	58.8	1090	511	420		6320 J	19.7 J	19.1		1200 J	12.3 U
20R001	LWG0120R.001TSSBWBC10	360	10.1 U		539		1.7	3830	1020 J	653	885	115	90.8	1020	744	558		10900 J	35.7	26.1		2670 J	12.9 U

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2).

	CAS No	74472-49-4	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	35694-08-7	52663-78-2	42740-50-1	PCB197_200	PCB198_199	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB186	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB194	PCB195	PCB196	PCB197 & 200	PCB198 & 199	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
BT015	LW2-BTLW015	0.537 J	4620	6.51	36.3	248	30.6	1.51 U	229	155	129	93.2	700	81	155	398	0.6	25.2	138	22.4	68.7	88.7	73800
BT016	LW2-BTLW016	24.3	225000	366	2440	15500	1950	2.97 U	14200	9920	6850	4680	32300	3770	4540	17800	6.97	1500	2650 J	419 J	617	133	3910000
BT017	LW2-BTLW017	8.31 J	12900	12.9	98.7	647	94.6	20.5 U	666	407	353	239	1900	202	339	977	8.62 J	73.5	433 J	53.3 J	142 J	251	1890000
BT018	LW2-BTLW018	5.78	11900	21.1	84.3	662	87.8	1.51 U	628	432	338	223	1700	180	364	839	4	59.1	429	49.8	170	263	208000
BT019	LW2-BTLW019	0.644 U	6780	11.6	51.7	333	36.7	1.5 U	387	252	189	153	1210	137	259	673	0.578 U	41.5	231 J	35.1 J	97	94.4	82100
BT020	LW2-BTLW020	0.686 U	4590	5.68	30.5	201	27.6	1.6 U	205	125	112	76.2	641	63.7	128	312	0.425 U	18.7	126	17.8	64.6	75.1	91400
BT021	LW2-BTLW021	0.388 J	8250	8.88	59.2	392	55.2	1.47 U	473	247	243	144	1240	120	237	608	0.559 J	39.6	287 J	37.1 J	120	161	166000
BT022	LW2-BTLW022	0.828	26000	46.6	196	1230	156	1.48 U	1010	641	514	372	2840	322	591	1450	0.807	102	462 J	65.2 J	186	156	449000
BT023	LW2-BTLW023	0.699	7930	17.2	92.7	580	65.2	1.52 U	333	309	230	197	1250	179	337	712	0.648	46.3	191	30.4	104	71.8	475000
BT024	LW2-BTLW024	1.28	17400	16.9	159	950	117	1.48 U	988	541	464	322	2740	288	548	1370	0.774	85.5	545 J	72.7 J	200	186	488000
BT025	LW2-BTLW025	0.432 J	9880	12.6	68.5	440	68.8	1.47 U	599	286	319	181	1510	158	308	746	0.611	47.5	340 J	47.3 J	138	174	161000
BT026	LW2-BTLW026	4.42 U	51300	96.1	350	2430	335	10.3 U	1570	1100	851	563	4170	462	754	2260	1.54 J	171	561 J	74.1 J	209	118	730000
BT0271	LW2-BTLW027-1	5.08 U	7650	21.8	66.4	362	44.3	11.8 U	376	261	189	143	1040	146	224	545	0.374 U	40.9	148	24.4	73.3	85.2	117000
BT0272	LW2-BTLW027-2	0.676 U	8010	19.9	59.4	360	51.7	1.57 U	473	245	222	123	1050	104	194	548	0.37 J	35.7	147	21.8	63.7	65.4	101000
BT028	LW2-BTLW028	11.9 U	37600	12	261	1850	327	27.6 U	1550	900	928	531	4420	440	839	2190	1.23 U	141	1550 J	150 J	737	1390	4310000
BT029	LW2-BTLW029	0.46 U	12500	15.2	111	760	107	1.48 U	760	420	372	217	1790	181	358	888	0.618	62	325 J	42.4 J	115	87.7	168000
BT030	LW2-BTLW030	0.683 U	9240	15	50.6	597	85.3	1.59 U	355	353	272	152	1000	185	389	804	0.567 U	48.6	213	28.4	119	109	171000
BT031	LW2-BTLW031	0.309 J	3980	10.1	36.7	217	30	1.5 U	273	162	116	76.8	605	64.9	138	320	0.262 U	23.3	98.9 J	18.4 J	52.5	60.2	67600
BT032	LW2-BTLW032	8.81 U	117000	139	737	6060	1150	20.5 U	6360	3200	3760	1730	13000	1420	2170	6750	2.34 J	486	1190 J	177 J	292	67.4	1450000
BT033	LW2-BTLW033	0.64 U	4880	11.3	32.9	299	40.9	1.49 U	260	156	149	97.6	729	82.2	146	408	0.303 U	24.7	108	17.5	50.9	59.2	73700
MIT001	LW2-MIT001	0.328 U	1010	3.41	16.1	132	24	0.763 U	127	78.6	97.6	35.9	165	34.6	55.2	141	0.198 U	6.41	36.8	6.97	15	13.1	46500
MIT002	LW2-MIT002	0.338 U	809	1.49	12.6	91.6	20.3	0.785 U	165	67	105	31.9	252	31.2	61.6	151	0.108 U	8.64	72	9.75	23	17.3	42200
MIT356	LW2-MIT003/005/006	0.908	1430	5.16	19	167	31	0.966 U	159	109	130	52.6	237	50.1	78.3	192	0.876 U	9.53	59.5	12.4	23.5	32.9	45600
MIT004	LW2-MIT004	0.762 U	26500	68	481	3870	698	1.77 U	4350	2230	3020	881	5060	782	1060	3830	1.41 U	235	527	100	98	15.8	498000
MIT007	LW2-MIT007	2.92 U	888	3.49	18.7 U	123	26.5	6.79 U	150	66.3	91.5	18.4	162	21.2	38.4	123	8.22 U	8.39	34.6	4.65	9.87	11.2	33100
MIT810	LW2-MIT008/010	0.434 U	1030	3.63	13.5	122	23	1.01 U	141	81.6	100	36.2	195	35.3	59.8	162	0.21 U	8.32	58	7.8	22.6	29.7	37100
MIT009	LW2-MIT009	0.487 U	3190	9.96	53.3	492	91	1.13 U	629	315	347	99.1	706	89.3	142	534	1.37 U	42.7	116	16.1	26	15.6	78700
T01	LW2-T01 SC	2.67 U	3520	4.61	110	569	108	6.22 U	1370	487	620	91.9	1560	119	262	864	0.523 U	69.5	445	49.2	143	157	87000
T01	LW2-T01-NOAA SC	5.17 U	2460	2.09 U	41.1	244	44.2	12 U	405	205	220	88.6	727	50.8	156	395	0.21 U	27.6	156	20.2	52.7	32.8	53800
T01	LW2-T01-REP1	0.27 J	14000	8.9	360	2490	478	1.23 U	4700	1980	2520	578	4590	458	569	2930	0.839	246	704	91.5	156	45.7	277000
T01	LW2-T01-REP2	0.068 U	2900	3.14	68.9	393	78.1	1.23 U	725	254	359	66.8	849	73.1	149	528	0.381 U	37.9	208	22.8	66.8	39.3	88200
T01	LW2-T01-REP3	0.093 U	2770	3.16	71.1	395	83.3	1.1 U	792	269	380	62.2	845	72	150	518	0.294 J	38.2	194	23	64.4	39.4	72300
T02	LW2-T02 SC	4.23 U	1510	1.96 J	36.3	181	35.7	9.84 U	455	153	210	57.6	567	44.5	135	307	0.739 U	22.7	203	21.4	62.8	106	59800
T02	LW2-T02-NOAA SC	0.712 U	1510	1.35 J	21.3	123	24.2	9.52 U	252	105	130	30.7	354	29.5	58.3	207	0.654 U	14.8	139	16	38.9	98	57100
T02	LW2-T02-REP1	0.79	3510	2.95	66.2	412	79	1.14 U	802	292	382	77.2	933	73.4	150	572	1.32	45.2	318	32.3	85.6	92.8	97100
T02	LW2-T02-REP2	0.603	3790	3.71	72.6	501	91.6	0.105 U	942	339	479	83.2	995	87.9	145	742	1.01	50.8	277	31.2	72.5	73.7	100000
T02	LW2-T02-REP3	0.563	3900	3.48	67.1	443	85	1.23 U	828	308	450	90.5	1010	88.4	175	691	1.08	43	279	30.9	80.1	76.5	111000
T03	LW2-T03 SC	2.93 U	8210	9.4	157	1110	225	6.82 U	1980	821	1040	243	2120	190	333	1460	0.71 J	97.1	301	45.8	74.2	31.9	162000
T03	LW2-T03-REP1	0.356 J	15400	19.6	269	1970	337	1.17 U	3410	1440	1730	355	3780	326	555	2440	0.855	178	535	70.8	120	40.6	246000
T03	LW2-T03-REP2	0.182 J	7840	23.1	147	991	180	1.14 U	1950	768	967	205	2150	198	355	1360	0.471	110	374	45.9	87.8	31.9	136000
T03	LW2-T03-REP3	0.423 U	9700	22.7	181	1180	221	1.19 U	2360	916	1190	251	2600	249	428	1760	0.777	120	476	66.8	124	65.8	198000
T04	LW2-T04 SC	0.986 U	394	0.542 J	6.74	35.4	6.6	2.29 U	78.4	25.6	37.4	9.66	132	10.4	30.5	82	0.156 U	4.07	44.8	5.12	15.7	22.6	10600
T04	LW2-T04-REP1	0.0647 U	538	0.687	8.98	55.6	9.9	0.0807 U	100	36.4	47.1	11	139	11.6	32.1	92.3	0.133 J	5.91	43.2	5.03	16.2	21.5	12800
T04	LW2-T04-REP2	0.061 J	724	1.09	15.2	90.2	17.5	1.16 U	166	61.7	87.9	19.4	219	21.7	45	149	0.223 U	9.24	62.6	8.15	21.4	22	21600
T04	LW2-T04-REP3	0.0537 U	527	0.763	11.2	63.4	11.6	0.0537 U	123	43.2	59.4	12	165	14.6	34.4	116	0.165 U	6.87	51.6	6.19	17.6	19.6	15800
02R001	LWG0102R001TSCRWBC00	4.05 U	1430	7.66 U	40.4	118	46.6	3.66 U	254	108	145	13.8 J	222 J	35.5	21.2	88.8	9.67 U	10.5 U	40.6	13.2	17.9	25.6	60700 JT
02R001	LWG0102R001TSSPWBC00	7.44 U	9950	14.1 U	325	2140	387	6.72 U	2450	1150	1310	149 J	2280 J	220	730	2120	17.8 U	126	700	105	174	198	1930000 JT
03R003	LWG0103R003TSCRWBC00	4.04 U	12500	7.63 U	124	498	266	3.64 U	1550	604	1240	110 J	2390 J	335	286	304	9.63 U	34.3	133	69.9	80.5	37	76100 JT
03R004	LWG0103R004TSCRWBC00	4.06 U	1280	7.67 U	30.8	91.8	27.9	3.66 U	226	80.9	107	17.5 J	258 J	39.3	39.3	77.6	9.68 U	10.5 U	65.7	18.2	33.4	33.6	31500 JT
03R004	LWG0103R004TSSPWBC10	7.14 UT	6460 T	13.5 UT	211 T	1410 T	294 T	6.44 UT	2170 T	863 T	1340 T	161 JT	2540 JT	238 T	794 T	2320 T	17 UT	105 T	1110 T	156 T	264 T	175 T	818000 JT
03R005	LWG0103R005TSCRWBC00	4.08 U	27300	7.73 U	405	1340	602	3.69 U	6460	2390	4320	349 J	7550 J	1020	649	711	9.75 U	89.5	394	289	247	88.7	207000 JT
03R005	LWG0103R005TSSPWBC00	7.38 U	25100	23.1	426	3360	608	6.66 U	5030	2260	3010	303 J	5450 J	553	1550	4690	17.6 U	244	1290	194	303	190	758000 JT
03R014	LWG0103R014TSSBWBC00	4 U	18700	31.1	369	2510	459	3.61 U	3370	1580	2000	371 J	4190 J	514	1250	2970	9.54 U	172	1060	162	294	270	935000 JT
04R023	LWG0104R023TSSBWBC10	3.52 U	24300	42.4	567	3890	717	3.17 U	5870	2580	3440	549 J	6450 J	722	1830	5040	8.39 U	291	1640	267	527	367	918000 JT
04R023	LWG0104R023TSSBWBC20	4.06 U	12100	20.9	315	1990	393	3.66 U	3040	1360	1710	278 J	3170 J	359	884	2460	9.68 U	147	842	135	266	180	457000 JT
04R023	LWG0104R023TSSBWBC30	4.08 U	10100	18.3	220	1500	300	3.69 U	2220	847	1450	218 J	2900 J	298	732	2040	9.75 U	105	707	105	240	195	512000 JT
05R006	LWG0105R006TSSBWBC00	3.76 UT	9990 T	26.8 T	271 T	2020 T	365 T	3.39 UT	2600 T	1230 T	1600 T	242 JT	2820 JT	321 T	772 T	2290 T	8.98 UT	126 T	683 T	120 T	223 T	212 T	417000 JT
06R002	LWG0106R002TSSPWBC10	0.81 U	19600	28.2	623	3980	783	0.731 U	6790	2770	3520	344 J	5600 J	529	1150	4280	2.28	332	995	166	206	154	382000 JT
06R002	LWG0106R002TSSPWBC20	7.65	137000	135	3970	38300	6970	3.69 U	62500	24500	35500	3090 J	53300 J	5350	8340	42100	9.75 U	2840	7780	1190	1170	246	2450000 JT
06R004	LWG0106R004TSCRWBC10	7.48 U	878	14.1 U	22.3	63.9	26.8	6.75 U	138	52.5	91	19 U	164 J	24.2	27.1	47.1	17.8 U	19.4 U	24.2	11.5 U	14.8	30.5	14200 JT
06R004	LWG0106R004TSCRWBC20	7.41 U	2080	14 U	50.4	79.5	49.6	6.68 U	415	134	268	18.8 U	360 J	47.7	18.2 U	52.1	17.7 U	19.3 U	58.2	22	17.8 J	30.1	16500 JT
06R004	LWG0106R004TSSPWBC00	4.06 U	5960	13.9	193	1760	316	3.67 U	2120	979	1520	146 J	2070 J	173	544	2120	9.7 U	106	660	110	139	225	203000 JT
06R024	LWG0106R024TSSBWBC00	3.37 UT	16100 T	33.7 T	316 T	1940 T	418 T	3.04 UT	3560 T	1460 T	1970 T	303 JT	4380 JT	464 T	1170 T	2430 T	8.03 UT	154 T	2330 T	300 T	1070 T	825 T	344000 JT
06R031	LWG0106R031TSCRWBC00	4.11 U	2130	7.76 U	47.3	178	59.2	3.7 U	368	156	216	28.5 J	395 J	53.7 J	43.6	140	9.8 U	13.1	53.7	16.7	23.9	43.8	50700 JT
07R006	LWG0107R006TSCRWBC00	7.36 U	1900	13.9 U	49.4	120	42.7	6.64 U	382	151	200	19.9 J	372 J	51.7	19.6	85	17.6 U	19.1 U	59.1	32.5	29	108	27800 JT
07R006	LWG0107R006TSSPWBC00	13.9	10300	17.5	263	2280	377	3.7 U	2780	1530	1950	230 J	3090 J	247	691	3190	40.2	176	1240	366	320	785	692000 JT
07R009	LWG0107R009TSSBWBC10	0.646 U	23900	48.6	694	4520	883	0.699 U	7450	3410	4570	565 J	7200 J	846	1510	5890	3.25	353	1410	235	380	278	549000 JT
07R009	LWG0107R009TSSBWBC20	4.13 U	23300	36.8	597	3260	777	3.73 U	6350	2500	3640	547 J	6320 J	758	1350	3940	9.85 U	296	1310	268	393	551	528000 JT
07R009	LWG0107R009TSSBWBC30	4.06 U	16300	36.8	396	2520	551	3.66 U	4060	1790	2280	320 J	4130 J	484	1010	2920	9.68 U	204	1060	146	326	355	505000 JT
08R003	LWG0108R003TSCRWBC00	7.35 U	4110	13.9 U	95.1	285	122	6.64 U	844	295	553	40.2 J	909 J	123	51.6	241	17.5 U	20.8	114	57.5	69.3	64.3	38200 JT
08R003	LWG0108R003TSSPWBC00	4.08 U	12100	28.3	416	3420	684	3.69 U	3630	2140	2980	323 J	3600 J	397	950	4060	9.75 U	216	881	158	181	200	352000 JT
08R010	LWG0108R010TSSBWBC10	4.13 U	252000	304	7020	47900	9190	3.72 U	74200	37300	44200	7070 J	65600 J	7900	12000	48700	15.6	4000	9890	1480	1870	548	4530000 JT
08R010	LWG0108R010TSSBWBC20	4.13 U	56000	86	1720	11900	2490	3.73 U	17900	8970	13600	1520 J	18800 J	1860	3010	14200	9.85 U	844	2360	428	524	255	1070000 JT
08R010	LWG0108R010TSSBWBC30	3.98 U	211000	182	6620	34100	8080	3.59 U	68000	30300	39600	5760 J	62500 J	7170	9740	33300	14.3	2850	6840	1280	1570	364	3480000 JT
08R032	LWG0108R032TSSBWBC00	0.48 U	27500	57.8	760	5420	1050	0.52 U	8470	3730	5490	713 J	8670 J	1020	2000	7350	3.61	423	2080	315	569	415	663000 JT
09R002	LWG0109R002TSCRWBC00	7.38 U	11000	13.9 U	285	453	231	6.66 U	1750	630	1140	53.1 J	1230 J	158	99.6	266	17.6 U	25.2	69.7	61.9	32.2	31.6	82600 JT
09R002	LWG0109R002TSSPWBC00	0.826 U	49300	45.8	826	6130	1100	0.745 U	10400	4560	5490	548 J	11000 J	800	2050	7710	2.43	579	1770	256	315	148	818000 JT
09R006	LWG0109R006TSSBWBC00	4.04 U	21900	38	533	3810	695	3.64 U	5490	2470	3150	471 J	5680 J	636	1450	4070	9.63 U	253	1460	229	493	506	748000 JT
20R001	LWG0120R001TSBBWBC10	7.51 U	1350	14.2 U	28.1	142	28.3	6.78 U	258	115	145	31.8 J	362 J	36.9	74.9	232	17.9 U	19.5 U	96.4	20.4	39.6	47.4	24200 JT
20R001	LWG0120R001TSBBWBC20	7.08 U	4170	13.4 U	87.6	568	104	6.39 U	952	434	504	101 J	1220 J	118	204	817	16.9 U	52.6	308	50.6	101	122	56300 JT
20R001	LWG0120R001TSSBWBC10	7.44 U	4850	14.1 U	156	851	188	6.72 U	1530	690	841	105 J	1510 J	174	318	1070	17.8 U	76.8	356	70	105	119	123000 JT

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Table C2-53b: PCB Congener Values Used in Total PCB Congener Calculations for Tissue Samples (Table 2 of 2). r Calculations for Tissue Samples (Table 2 of 2).

	CAS No	PCB139_140	52712-04-6	41411-61-4	68194-14-9	74472-40-5	51908-16-8	PCB147_149	74472-41-6	38380-04-0	68194-08-1	52663-63-5	68194-09-2	35065-27-1	PCB153_168	33979-03-2	38380-08-4	PCB156_157	69782-90-7	74472-42-7	39635-35-3	74472-43-8	39635-34-2
	Chemical Name	PCB139 & 140	PCB141	PCB142	PCB144	PCB145	PCB146	PCB147 & 149	PCB148	PCB149	PCB150	PCB151	PCB152	PCB153	PCB153 & 168	PCB155	PCB156	PCB156 & 157	PCB157	PCB158	PCB159	PCB161	PCB162
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
20R001	LWG0120R001TSSBWBC20	351 J	3890	10.8 U	600	4.24 U	4840	7340 J	32.5		11.8		10.6 J		35300 J	9.69	3090		509	2830	184	12 U	114
20R001	LWG0120R001TSSBWBC30	323 J	4520	10.8 U	678	4.25 U	6070	8610 J	67.1		26.2		22.9		38700 J	12.2	2330		359	2700	172	12 U	91.7
28R001	LWG0128R001TSSBWBC00	17.5 JT	161 T	10.6 UT	36.6 JT	4.17 UT	445 T	743 JT	8.55 UT		3.82 UT		10.1 UT		1230 JT	7.64 UT	145 T		32.7 T	183 T	10.5 T	11.8 UT	14.1 UT
28R001	LWG0128R001TSSBWBC10	150 JT	823 T	5.37 UT	283 T	2.11 UT	2050 T	5160 JT	12.4 T		7.71 T		5.09 UT		11000 JT	5.48 T	754 T		179 T	1020 T	47.9 JT	5.94 UT	46.9 T
28R001	LWG0128R001TSSBWBC20	157 J	918	5.84 U	288	2.29 U	2250	5190 J	13.4		8.27		5.54 U		12500 J	5.83 J	835		187	1050	45.1	6.46 U	50.2
28R001	LWG0128R001TSSBWBC30	100 J	517	5.85 U	185	2.3 U	1480	3640 J	9.58		5.34		5.55 U		8160 J	4.21 U	537		124	683	31.8	6.48 U	37.9
FZ0306	LWG01FZ0306TSBBWBC10	82.9 J	1210	6.01 U	180	2.36 U	1820	3530 J	30.2		14.7		5.76		5470 J	4.32 U	529		93.1	644	57.3	6.66 U	34.2
FZ0306	LWG01FZ0306TSBBWBC20	197 J	2080	5.7 U	387	2.24 U	3690	6680 J	47.1		24		12.1		16100 J	4.91	1140		226	1440	92.1	6.31 U	48.6
FZ0306	LWG01FZ0306TSBBWBC30	248 J	3200	9.53 U	328	2.35 U	6350	5000 J	31.8		10.5		5.99		23000 J	4.31 U	3120		677	2370	94.9	6.63 U	120
FZ0306	LWG01FZ0306TSBCWBC10	119 J	944	11.1 U	205	4.35 U	2200	3710 J	32		9.91 J		10.5 U		9980 J	7.97 U	543		114	717	44.7	12.3 U	29.3
FZ0306	LWG01FZ0306TSBCWBC20	117 J	1060	11 U	217	4.31 U	1680	3800 J	30.6		14.5		10.4 U		8820 J	7.89 U	512		111	747	45.8	12.2 U	30
FZ0306	LWG01FZ0306TSCPWBC10	370 J	4080	6.08 U	1030	6.92	5440	17700 J	93.7		62.6		21.6		35800 J	7.66	2180		395	2340	214	6.73 U	83.7
FZ0306	LWG01FZ0306TSCPWBC20	3020 J	180000	131 U	44200	75.8 J	108000	654000 J	2150		3600		2290		782000 J	448	31600		2180	54400	11700	132 U	459
FZ0306	LWG01FZ0306TSCPWBC30	412 J	4550	6.04 U	1150	3.63	7710	20400 J	135		73.7		21.8		39800 J	8.37	1650		272	2400	159	6.69 U	89.7
FZ0609	LWG01FZ0609TSBBWBC10	309 J	29700	12.1 U	10100	2.36 U	47200	104000 J	105		87		13.3		285000 J	10	17200		979	19500	2450	7.83 U	302
FZ0609	LWG01FZ0609TSBBWBC20	199 J	5070	6.02 U	960	2.36 U	5300	14100 J	70		46		20.4		23300 J	5.63	1770		207	2180	291	6.67 U	54.3
FZ0609	LWG01FZ0609TSBBWBC30	278 J	4940	5.67 U	702	2.23 U	8780	11600 J	108		54		23.8		42100 J	8.01	2640		272	2400	209	6.28 U	67.4
FZ0609	LWG01FZ0609TSBCWBC10	186 J	1760	5.99 U	364	2.35 U	2940	6460 J	49.5		22.9		7.14		15800 J	5.21	769		159	1140	60.2	6.63 U	38.3
FZ0609	LWG01FZ0609TSBCWBC20	277 J	2920	5.52 U	620	2.71	3960	10600 J	72.4		41.3		13.9		22700 J	5.99	1110		230	1790	103	6.11 U	37.5
FZ0609	LWG01FZ0609TSCPWBC10	629 J	8120	1.78 U	2080	5.02	14200	33900 J	286		245		72		61700 J	17.4	2840		316	4220	329	1.2 U	96.7
FZ0609	LWG01FZ0609TSCPWBC20	499 J	8860	10.3 U	1970	4.04 U	12000	39000 J	215		157		42.7		62300 J	13.9	3000		426	4290	650	11.4 U	100
FZ0609	LWG01FZ0609TSCPWBC30	845 J	29000	6.5 U	6400	11.5	25200	102000 J	424		435		174		163000 J	34	5910		503	9640	1810	6.31 U	127
WR-PG-Ref03	WLCDRD050184G		90 U							690 U		99 U		2600			310 U		130 U	190 U			
WR-PG-Ref03	WLCDRD050187G		90 U							630		230 U		840			310 U		120 U	230 U			
WR-VC-11	WLCDRD05WRVC011Clam		90 U							690		220 J		2500			310 U		120 U	190 U			
WR-VC-11	WLCDRD05WRVC011Worm		390 J							7600		3500		8400			1500 U		270 NJ	590 U			
WR-VC-28	WLCDRD05WRVC028Clam		90 U							680		99 U		2400 U			310 U		120 U	190 U			
WR-VC-28	WLCDRD05WRVC028Worm		880							13000		5900		13000			2500 U		720 U	930 U			
WR-VC-29	WLCDRD05WRVC029Clam		90 U							580		250 J		2500			310 U		120 U	190 U			
WR-VC-29	WLCDRD05WRVC029Worm		260 NJ							4100		1900		4700			2100 U		340 NJ	720 U			
WR-VC-43	WLCDRD05WRVC043Clam		90 U							650		220 J		2500			310 U		120 U	190 U			
WR-VC-43	WLCDRD05WRVC043Worm		210 J							5100		2500		5700			1600 U		210 NJ	430 U			
WR-VC-46	WLCDRD05WRVC046Clam		90 U							1100 J		210 J		2700			310 U		120 U	190 U			
WR-VC-46	WLCDRD05WRVC046Worm		560 J							9700		4200		9800			1100 J		330 NJ	760 U			
WR-VC-57	WLCDRD05WRVC057Clam		90 U							870		300 J		2800			310 U		120 U	190 U			
WR-VC-57	WLCDRD05WRVC057Worm		840							20000		11000		20000			310 U		650 J	1000			
WR-VC-66	WLCDRD05WRVC066Clam		90 U							920		270 J		2700			310 U		120 U	190 U			
WR-VC-66	WLCDRD05WRVC066Worm		660 J							10000		4600		11000 J			1600 U		320 NJ	620 U			
WR-VC-72	WLCDRD05WRVC072Clam		90 U							690		230 J		2500			310 U		120 U	190 U			
WR-VC-72	WLCDRD05WRVC072Worm		1300 J							16000		7300		18000 J			2100 U		580 NJ	870 U			
WR-VC-108	WLCDRD05WRVC108Clam		90 U							1200		380 J		2900			310 U		120 U	190 U			
WR-VC-108	WLCDRD05WRVC108Worm		2000							27000		11000		25000			3400 NJ		1600 U	2200 U			
WR-VC-118	WLCDRD05WRVC118Clam		90 U							610		240 J		2300			310 U		120 U	190 U			
WR-VC-118	WLCDRD05WRVC118Worm		500 J							5800		2700		6300			1700 U		280 U	580 J			
Clackamas Fish Hatcher	WLTASE03CFH03254200	16.4	106	0.407 U	35.9	0.197 K	233	701	4.29 K		1.86 K		0.0159 U		1350	5.15	36.2		12	52.9	4.41	0.272 U	6.16
Clackamas Fish Hatcher	WLTASE03CFH03254201	14	106	2.51 U	31.5	0.156 K	196	633	2.66 K		1.66 K		0.279 K		1220	4.75	33		10.9	49.6	3.96	1.85 U	4.5
Clackamas Fish Hatcher	WLTASE03CFH03254202	9.22	65.7	0.307 U	20.9	0.115 K	131	362	1.92		0.829 K		0.077 K		717	3.54	22		6.21	31.2	2.44	0.206 U	2.83
Clackamas Fish Hatcher	WLTASE03CFH03254210	13.7 T	93.4 T	3.73 UT	30.6 T	0.347 JT	191 T	581 T	2.68 JT		1.57 JT		0.235 JT		1170 T	4.49 T	30.1 T		10.2 T	41.8 T	3.73 JT	2.51 UT	4.42 JT
Clackamas Fish Hatcher	WLTASE03CFH03254211	11.1	84.2	0.504 U	25.4	0.133 K	163	471	1.42 K		1.08 K		0.173 K		923	3.98	26.9		8.37	39.5	3.78	0.338 U	4.13
Clackamas Fish Hatcher	WLTASE03CFH03254212	6.61	50.4	0.438 U	16.4 K	0.148 K	96.5	276	1.38		0.714		0.121 K		537	2.01	15.5		4.65	23.7	2.1	0.293 U	2.56
Clackamas Fish Hatcher	WLTASE03CFH03254220	13 T	87.6 T	0.419 UT	29.9 T	0.267 JT	177 T	564 T	3.22 T		1.51 T		0.078 JT		1020 T	3.99 T	28.1 T		9.07 T	41.7 T	4.21 T	0.296 UT	3.45 JT
Clackamas Fish Hatcher	WLTASE03CFH03254221	17.6	115	0.896 U	40.2	0.225	240	743	4.79		2.18		0.216 K		1310	4.95	45.8		14.1	61.6	4.85	0.653 U	4.9
Clackamas Fish Hatcher	WLTASE03CFH03254222	13.8	101	0.382 U	33.8	0.244	203	581	3.12		1.52		0.201 K		1170	4.84	30.7		10	48.2	3.75	0.256 U	4.32
Clackamas Fish Hatcher	WLTASE03CFH03254223	19.1 T	120 T	0.522 UT	42 T	0.186 JT	265 T	821 T	3.92 T		2.06 T		0.312 JT		1500 T	5.28 JT	41.6 T		13.6 T	61.3 T	4.72 T	0.365 UT	5.3 T
RM 3.5-9.2	WLTASE03ISA03334750	97.2 T	1280 T	2.2 UT	223 T	0.0255 UT	1870 T	5150 T	27.7 T		14.4 T		6.31 T		10700 T	9.36 T	461 T		75.7 T	677 T	71.3 T	1.6 UT	26.9 T
RM 3.5-9.2	WLTASE03ISA03334751	118	1140	1.41 U	168	0.348	1740	3310	37.9		12.5		5.28		10900	6.23	542		89.4	819	48.7	1.03 U	24.3
RM 3.5-9.2	WLTASE03ISA03354100	279	3160	1.57 U	546	1.22	4220	11100	96.8		33.1		14.4		23900	10.5	1240		195	1890	136	1.14 U	51
RM 3.5-9.2	WLTASE03ISA03354101	139	1340	1.76 U	233	0.587	2100	4250	51		20.8		8.89		11700	4.92	563		84.2	814	59.5	1.28 U	22.2
RM 3.5-9.2	WLTASE03ISA03354102	677	20300	1.91 U	4550	3.04	18200	70500	363		263		91.3		116000	24.3	5220		335	8950	955	1.41 U	98.6
Willamette Falls	WLTASE03WF03214300	49.2	249	2.07 U	102	0.0925 U	579	915	7.56		2.25		1.76		3890	10.2	108		20.8	148	4.55 K	1.39 U	14.5
Willamette Falls	WLTASE03WF03214301	62.8	310	3.29 U	87.6 K	0.789 K	671	1000	9.68		2.78		1.68		4870	12.6	149		27	180	5.8	2.21 U	18.5
Willamette Falls	WLTASE03WF03214302	62.2	307	8.36 U	125	0.0307 U	701	1170	10		3.11 K		2.27 K		4820	11.3	149		28.8	184	6.07	5.61 U	17.2
Willamette Falls	WLTASE03WF03214303	58.2	279	1.96 U	84.5	0.818	762	1130	8.2		2.47		2.36		5940	11	139		25.3	176	5.02	1.43 U	18.3

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2)

	CAS No	74472-45-0	74472-46-1	41411-63-6	52663-72-6	59291-65-5	32774-16-6	35065-30-6	PCB171_173	52663-74-8	38411-25-5	40186-70-7	52663-65-7	52663-70-4	52663-67-9	52663-64-6	35065-29-3	PCB180_193	74472-47-2	60145-23-5	52663-69-1	PCB183_185	74472-48-3
	Chemical Name	PCB164	PCB165	PCB166	PCB167	PCB168	PCB169	PCB170	PCB171 & 173	PCB172	PCB174	PCB175	PCB176	PCB177	PCB178	PCB179	PCB180	PCB180 & 193	PCB181	PCB182	PCB183	PCB183 & 185	PCB184
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
20R001	LWG0120R001TSSBWBC20	959	21.4		1130		3.33	8900	2530 J	1520	3250	276	424	2770	1820	1800		25600 J	73.2	56.8 J		6430 J	12.7 U
20R001	LWG0120R001TSSBWBC30	1140	33		987		3.02	10100	2920 J	1940	3100	346	364	3400	2370	1880		33200 J	63.9	82.2		7770 J	12.7 U
28R001	LWG0128R001TSBBWBC00	69.8 T	9.72 UT		106 T		0.772 UT	344 T	130 JT	78.9 T	204 T	21.2 JT	24.1 JT	276 T	125 T	121 T		1130 JT	13 UT	14.1 UT		292 JT	12.4 UT
28R001	LWG0128R001TSSBWBC10	442 T	5.83 T		423 T		1.74 T	1460 T	592 JT	296 T	909 T	84.6 T	185 T	1310 T	591 T	612 T		4310 JT	23.3 T	12.5 JT		1520 JT	8.44 T
28R001	LWG0128R001TSSBWBC20	425	6.17		466		1.66	1640	602 J	348	962	90.6	186	1380	609	576		4950 J	22.7	11.9 J		1690 J	9.65
28R001	LWG0128R001TSSBWBC30	285	5.35 U		310		1.24	1060	411 J	224	693	60.6	120	938	428	406		3350 J	16.9	9.62		1130 J	6.85 U
FZ0306	LWG01FZ0306TSBBWBC10	401	11.6		296		1.43	2080	641 J	473	1460	84.3	130	1450	600	666		5890 J	21.1	19.2 J		1410 J	7.04 U
FZ0306	LWG01FZ0306TSBBWBC20	645	16.4		673		1.43	3240	1130 J	722	2130	173	195	2170	1090	1050		10600 J	33.3	31.2		3110 J	6.67 U
FZ0306	LWG01FZ0306TSBBWBC30	1220	7.25 U		1780		2.86	6900	1510 J	1220	2390	221	109	1470	1120	776		22600 J	93.8	68.1		4140 J	7.01 U
FZ0306	LWG01FZ0306TSBCWBC10	317	10.1 U		309		1.05	1480	521 J	369	859	80.8	106	1010	547	354		4500 J	16.8	23.1		1520 J	13 U
FZ0306	LWG01FZ0306TSBCWBC20	342	10 U		301		0.94	1510	508 J	335	888	80.3	107	977	486	399		4360 J	20.1	26.2 J		1450 J	12.9 U
FZ0306	LWG01FZ0306TSCPWBC10	1220	17.8		1300		3.19	9150	3050 J	2130	5920	392	811	6180	2030	2650		29300 J	95.3	104		8230 J	7.12 U
FZ0306	LWG01FZ0306TSCPWBC20	44800	839		16000		15.3	285000	90900 J	58600	292000	13700	35100	179000	61300	121000		723000 J	1070	743		232000 J	69.4
FZ0306	LWG01FZ0306TSCPWBC30	1180	35.7		1080		3.18	5700	1780 J	1430	3860	282	718	4170	1980	2540		19000 J	59	61.8		5690 J	8.7 J
FZ0609	LWG01FZ0609TSBBWBC10	15200	39.8		8270		4.45	99500	16700 J	16300	72900	3770	4880	59400	20100	8470		294000 J	451	7.99 U		71700 J	10.3
FZ0609	LWG01FZ0609TSBBWBC20	1380	20.1		829		1.41	8540	2410 J	1500	6450	319	682	4880	1800	2720		23200 J	46.9	38.5		5840 J	7.05 U
FZ0609	LWG01FZ0609TSBBWBC30	1300	36.2		1320		2.01	10700	2650 J	1880	4720	416	392	4710	2340	2260		43700 J	69.9	68.8		8130 J	6.64 U
FZ0609	LWG01FZ0609TSBCWBC10	486	14.2		413		0.818 J	2040	719 J	485	1340	122	170	1450	773	570		6620 J	24.4	28.6		2260 J	7.01 U
FZ0609	LWG01FZ0609TSBCWBC20	766	16.6		584		0.926 U	3330	1210 J	681	2320	174	277	2310	1030	906		9420 J	33	38.3		3340 J	6.46 U
FZ0609	LWG01FZ0609TSCPWBC10	2050	71.8		1630		4.25	16100	5120 J	3050	10500	732	1670	10600	4420	5440		43400 J	91.6	127		13500 J	8.87
FZ0609	LWG01FZ0609TSCPWBC20	2570	71		1640		5.42	15200	4780 J	2900	12100	666	1660	10100	3920	5550		41300 J	95	129		12700 J	12 U
FZ0609	LWG01FZ0609TSCPWBC30	6280	124		3100		4.43	48600	15200 J	8970	45700	2150	6050	29800	10800	18600		122000 J	176	199		41600	18.5
WR-PG-Ref03	WLCDRD050184G			360 U	100 U	260 U	360 U	200 U			150 U			210 J			440 J				140 U		83 U
WR-PG-Ref03	WLCDRD050187G			610 U	190 U	260 U	360 U	200 U			150 U			180 U			190 J				140 U		83 U
WR-VC-11	WLCDRD05WRVC011Clam			320 U	140 NJ	260 U	360 U	200 U			150 U			180 U			410 U				140 U		83 U
WR-VC-11	WLCDRD05WRVC011Worm			6400	530 J	260 U	360 U	1200 J			1400			1300 J			570				1600 J		83 U
WR-VC-28	WLCDRD05WRVC028Clam			260 U	110 U	260 U	360 U	200 U			150 U			180 U			430 U				140 U		83 U
WR-VC-28	WLCDRD05WRVC028Worm			9900	1300 NJ	370 U	520 U	2100 J			2500			2300			1300				1700		120 U
WR-VC-29	WLCDRD05WRVC029Clam			280 U	100 U	260 U	360 U	200 U			150 U			180 U			430 J				140 U		83 U
WR-VC-29	WLCDRD05WRVC029Worm			3200	720 U	380 U	520 U	580 J			800 U			860			510 J				510 NJ		120 U
WR-VC-43	WLCDRD05WRVC043Clam			310 U	290 NJ	260 U	360 U	200 U			150 U			180 U			390 J				140 U		83 U
WR-VC-43	WLCDRD05WRVC043Worm			4400	500 U	260 U	360 U	760 J			760 U			940			350 J				630 NJ		83 U
WR-VC-46	WLCDRD05WRVC046Clam			350 U	250 J	260 U	360 U	200 U			150 U			180 U			440 J				140 U		83 U
WR-VC-46	WLCDRD05WRVC046Worm			7800	170 U	440 U	600 U	1400 J			1600			2000			650 J				1000 NJ		140 U
WR-VC-57	WLCDRD05WRVC057Clam			370 U	100 U	260 U	360 U	200 U			150 U			180 U			470 J				140 U		83 U
WR-VC-57	WLCDRD05WRVC057Worm			17000	370 J	260 U	360 U	2800 J			3500 J			4000			1200				2600 J		83 U
WR-VC-66	WLCDRD05WRVC066Clam			360 U	270 NJ	260 U	360 U	200 U			150 U			180 U			420 J				140 U		83 U
WR-VC-66	WLCDRD05WRVC066Worm			7700	620 NJ	260 U	360 U	1600 J			2000			2000			790				1100 J		83 U
WR-VC-72	WLCDRD05WRVC072Clam			290 U	100 U	260 U	360 U	200 U			150 U			180 U			460 J				140 U		83 U
WR-VC-72	WLCDRD05WRVC072Worm			11000	800 J	260 U	360 U	2500 J			3200			3100			1600				1700 J		83 U
WR-VC-108	WLCDRD05WRVC108Clam			380 U	190 J	260 U	360 U	200 U			150 U			180 U			490 J				140 U		83 U
WR-VC-108	WLCDRD05WRVC108Worm			16000	1000 J	790 U	1100 U	3500			4400			3700			2300				2400 NJ		260 U
WR-VC-118	WLCDRD05WRVC118Clam			270 U	160 J	260 U	360 U	200 U			150 U			180 U			390 J				140 U		83 U
WR-VC-118	WLCDRD05WRVC118Worm			4500	500 U	260 U	360 U	830 J			1200			1100			640				620 NJ		83 U
Clackamas Fish Hatcher	WLTASE03CFH03254200	37.4	0.303 U		25.3		0.498 K	110	40.9	27.1	96.2	10.2	17.6	104	64.5	60.4		335	1.04 K	3.08 K		132	3.2
Clackamas Fish Hatcher	WLTASE03CFH03254201	38.2	1.95 U		19.9		0.519 U	88.9	34.3	24.7	91.1	8.64	16.1	91.9	56.8	59.8		284	1.27	2.7 K		113	3.2 K
Clackamas Fish Hatcher	WLTASE03CFH03254202	22.5	0.943		13.7		0.309 K	58.6	22.6	15.2	59.5	5.82	9.61	59	37	39.4		181	0.868 K	1.77 K		72.4	1.99 K
Clackamas Fish Hatcher	WLTASE03CFH03254210	31.7 T	2.8 UT		18.6 T		0.439 T	81 T	30.6 T	21.8 T	74.3 T	8.11 T	13.9 T	80.1 T	50.3 T	52.4 T		262 T	1.06 JT	2.98 JT		105 T	3.09 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	29.2	1.5 K		18.2		0.383	80.6	30.2	22.2	75.7	7.35	12.3	76.8	47.2	49.5		259	0.75	1.95		98.1	2.24
Clackamas Fish Hatcher	WLTASE03CFH03254212	17.1	0.326 U		10.5		0.238	46.2	18.9	12.9 K	49.6	4.66 K	7.31	49.2	30.3	31.2		148	0.768 K	1.51		59.2	1.73 K
Clackamas Fish Hatcher	WLTASE03CFH03254220	31.4 T	1.78 JT		19.3 T		0.365 JT	69.3 T	28.5 T	19 T	72.5 T	6.5 T	12.7 JT	75.8 T	45.6 T	48.7 T		213 T	0.694 JT	2.21 JT		87.8 T	2.61 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	38.8	1.91		27.7		0.534	108	41.2	26.8	101	9.44	17.1	111	64.7	70.8		328	1.34	2.77		132	3.09
Clackamas Fish Hatcher	WLTASE03CFH03254222	35.3	1.77		22.4		0.325 U	85	35.2	22.7	86.9	8.56	15.8	81.5	54.5	60.9		264	1.1 K	2.59 K		109	3.26 K
Clackamas Fish Hatcher	WLTASE03CFH03254223	44.3 T	2.45 T		24.3 T		0.525 JT	98.4 T	39.4 T	27.5 JT	95.8 T	10.1 T	16.7 T	111 T	65.3 T	70.2 T		314 T	1.25 JT	3.03 T		131 T	3.86 T
RM 3.5-9.2	WLTASE03ISA03334750	323 T	10.4 JT		20.4 T		1.52 T	2200 T	652 T	470 T	1560 T	108 T	165 T	1340 T	673 T	565 T		6940 T	14.3 T	0.224 UT		2360 T	7.1 T
RM 3.5-9.2	WLTASE03ISA03334751	276	10.8		12.9		1.1	1770	626	399	1090	90.8	85.4	1140	605	475		6260	18.7	20.1		1860	3.75
RM 3.5-9.2	WLTASE03ISA03354100	807	26.3		33.7		1.68	4210	1380	957	3300	218	276	2680	1440	1280		14300	34	41.5		4360	7.11
RM 3.5-9.2	WLTASE03ISA03354101	346	14.1		10.3		0.862	2130	741	514	1400	123	129	1500	773	715		7680	17.7	22.5		2410	3.66
RM 3.5-9.2	WLTASE03ISA03354102	4350	76.2		54.6		2.06	37100	12400	6420	29600	1600	3570	21700	7960	9830		97400	179	168		30900	16.8
Willamette Falls	WLTASE03WF03214300	33.7	3.43		78.5		2.32	205	77.1	67.5	61.3	22.1	14.4	82.2	138	64.8		824	4.55	8.19		311	7
Willamette Falls	WLTASE03WF03214301	41.5	4.22		92.7		3.08	258	97	81.8	75	27.3	13.9	85.5	164	63.9		1000	5.58	10.1		401	8
Willamette Falls	WLTASE03WF03214302	49.3	6.27 U		99.1		2.82	271	96	84.6	87.1	27	17.7	102	169	80.7		1020	5.3	10.2		386	8.54
Willamette Falls	WLTASE03WF03214303	39.5	3.44		96.8		2.78	268	105	90.1	74.5	26.7	15.1	93.3	175	72.5		1090	5.19	9.76		373	7.99

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Table C2-53b. PCB Congener Values Used in Total PCB C r Calculations for Tissue Samples (Table 2 of 2)

	CAS No	74472-49-4	52663-68-0	74487-85-7	39635-31-9	41411-64-7	74472-50-7	74472-51-8	35694-08-7	52663-78-2	42740-50-1	PCB197_200	PCB198_199	40186-71-8	2136-99-4	52663-76-0	74472-52-9	74472-53-0	40186-72-9	52663-79-3	52663-77-1	2051-24-3	1336-36-3
	Chemical Name	PCB186	PCB187	PCB188	PCB189	PCB190	PCB191	PCB192	PCB194	PCB195	PCB196	PCB197 & 200	PCB198 & 199	PCB201	PCB202	PCB203	PCB204	PCB205	PCB206	PCB207	PCB208	PCB209	Total PCB Congeners
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**																						
20R001	LWG0120R001TSSBWBC20	7.28 U	10900	14.7 J	370	2090	463	6.57 U	3760	1590	2100	348 J	3750 J	416	856	2750	17.4 U	177	1050	191	296	260	275000 JT
20R001	LWG0120R001TSSBWBC30	7.3 U	17600	26.1	403	2350	520	6.59 U	4730	2060	2740	356 J	5090 J	559	953	3180	17.4 U	233	909	165	249	226	317000 JT
28R001	LWG0128R001TSSBWBC00	7.16 UT	1120 T	13.6 UT	17 T	109 T	20.4 T	6.47 UT	169 T	83.6 T	103 T	28.4 JT	295 JT	39.7 T	75.4 T	227 T	17.1 UT	18.6 UT	111 T	21.2 JT	44.6 T	104 T	19100 JT
28R001	LWG0128R001TSSBWBC10	3.62 UT	4080 T	6.97 T	57.1 T	443 T	75.8 T	3.26 UT	582 T	271 T	318 T	91.7 JT	863 JT	118 T	311 T	610 T	8.63 UT	37.2 T	295 T	61.1 T	139 T	325 T	108000 JT
28R001	LWG0128R001TSSBWBC20	3.93 U	4420	7.44 U	63.5	487	85.2	3.55 U	684	314	381	96 J	1010 J	134	330	696	9.39 U	42.7	313	61.6	137	304	111000 JT
28R001	LWG0128R001TSSBWBC30	3.94 U	3140	7.46 U	46.5	341	55.5	3.56 U	467	202	267	71 J	691 J	92.6	225	508	9.41 U	32.3	257	51.8	114	262	78100 JT
FZ0306	LWG01FZ0306TSBBWBC10	4.05 U	4220	9.19	67.7	467	81	3.66 U	833	364	464	123 J	1240 J	135	237	775	9.67 U	46.9	376	61.9	176	228	83300 JT
FZ0306	LWG01FZ0306TSBBWBC20	3.84 U	8510	13.9	116	807	151	3.47 U	1330	632	865	205 J	2100 J	263	436	1360	9.17 U	74.4	584	85.3	209	226	177000 JT
FZ0306	LWG01FZ0306TSBBWBC30	4.04 U	11500	11.7	267	1470	355	3.64 U	2910	1110	1620	169 J	3330 J	251	435	2040	9.63 U	110	770	141	288	264	236000 JT
FZ0306	LWG01FZ0306TSBCWBC10	7.47 U	4100	14.1 U	63.9	324	78.1	6.74 U	560	229	336	82.3 J	914 J	99.7	205	580	17.8 U	26	217	37.4	99.4	89.9	103000 JT
FZ0306	LWG01FZ0306TSBCWBC20	7.4 U	3110	14 U	56.8	329	74.4	6.68 U	521	232	341	75.4 J	794 J	91.3	189	536	17.7 U	25.3	188	34	94.5	81.4	106000 JT
FZ0306	LWG01FZ0306TSCPWBC10	4.1 U	19600	24.3	264	1930	491	3.7 U	3140	1030	1760	469 J	4310 J	481	1010	2820	9.78 U	169	1970	177	901	996	451000 JT
FZ0306	LWG01FZ0306TSCPWBC20	25.9	378000	1140	9010	58600	15400	3.64 U	124000	59900	80200	21600 J	141000 J	16500	19900	87200	19.7	6450	19500	2860	3910	1120	8150000 JT
FZ0306	LWG01FZ0306TSCPWBC30	4.07 U	15000	30.6	237	1400	270	3.68 U	2760	1060	1460	428 J	3830 J	410	924	2530	9.72 U	154	1580	178	619	762	343000 JT
FZ0609	LWG01FZ0609TSBBWBC10	4.06 U	163000	67.6	4140	15600	5110	3.66 U	32700	13300	18400	3460 J	33000 J	3940	5010	6940	9.68 U	885	1770	606	849	208	1950000 JT
FZ0609	LWG01FZ0609TSBBWBC20	4.06 U	12600	16.5	286	1760	364	3.66 U	3120	1480	1900	438 J	3670 J	440	688	2180	9.68 U	153	612	106	212	195	266000 JT
FZ0609	LWG01FZ0609TSBBWBC30	3.82 U	21700	29.3	579	2220	602	3.45 U	4670	1960	3000	411 J	4860 J	608	861	2610	9.12 U	174	816	154	253	252	354000 JT
FZ0609	LWG01FZ0609TSBCWBC10	4.04 U	5190	9.23	69.3	458	99.9	3.64 U	752	309	505	107 J	1220 J	150	338	811	9.63 U	38.5	313	45.1	102	99.6	146000 JT
FZ0609	LWG01FZ0609TSBCWBC20	3.72 U	6600	15	107	761	159	3.36 U	899	430	627	139	1370	170	355	957	8.88 U	50.6	281	42.4	90.1	89.1	301000 JT
FZ0609	LWG01FZ0609TSCPWBC10	0.883 U	32300	65.1	612	3730	778	0.955 U	7110	3100	4550	1070 J	8860 J	1020	1550	6030	3.49	387	1780	250	692	564	574000 JT
FZ0609	LWG01FZ0609TSCPWBC20	6.93 U	30800	46.7	624	3410	684	6.26 U	6690	2990	3760	1030 J	8260 J	854	1430	5120	16.5 U	344	1430	238	704	662	616000 JT
FZ0609	LWG01FZ0609TSCPWBC30	3.84 U	70000	107	1620	10300	2080	3.47 U	21100	8900	12300	3350 J	22200 J	2640	3770	14600	9.17 U	1100	3600	533	826	597	1380000 JT
WR-PG-Ref03	WLCDRD050184G		520 J		100 U				680 U	210 U				83 U		290 U			140 U			110 U	16600 JT
WR-PG-Ref03	WLCDRD050187G		620		100 U				110 U	210 U				77 U		290 U			140 U			110 U	6860 JT
WR-VC-11	WLCDRD05WRVC011Clam		330 U		100 U				590 U	210 U				77 U		290 U			140 U			110 U	11900 JT
WR-VC-11	WLCDRD05WRVC011Worm		6500 U		100 U				500 U	320 J				500 U		660 NJ			290 J			170 J	112000 JT
WR-VC-28	WLCDRD05WRVC028Clam		270 U		100 U				530 U	210 U				77 U		290 U			140 U			110 U	10600 JT
WR-VC-28	WLCDRD05WRVC028Worm		11000 U		150 U				160 U	860 NJ				720 U		1200 NJ			260 J			160 U	202000 JT
WR-VC-29	WLCDRD05WRVC029Clam		290 U		100 U				110 U	210 U				77 U		290 U			140 U			110 U	21800 JT
WR-VC-29	WLCDRD05WRVC029Worm		3100 U		150 U				160 U	300 U				720 U		420 U			200 U			160 U	71100 JT
WR-VC-43	WLCDRD05WRVC043Clam		320 U		100 U				110 U	210 U				77 U		290 U			140 U			110 U	12900 JT
WR-VC-43	WLCDRD05WRVC043Worm		4300 U		100 U				500 U	210 U				500 U		500 U			140 U			110 U	74200 JT
WR-VC-46	WLCDRD05WRVC046Clam		360 U		100 U				590 U	210 U				77 U		290 U			140 U			110 U	13800 JT
WR-VC-46	WLCDRD05WRVC046Worm		7800 U		240 U				320 NJ	350 U				840 U		880 NJ			390 J			190 U	148000 JT
WR-VC-57	WLCDRD05WRVC057Clam		390 U		100 U				110 U	210 U				250 U		290 U			140 U			110 U	14800 JT
WR-VC-57	WLCDRD05WRVC057Worm		18000 U		370 U				680 NJ	560				640 U		1300 NJ			380 J			170 J	221000 JT
WR-VC-66	WLCDRD05WRVC066Clam		370 U		100 U				610 U	210 U				77 U		290 U			140 U			110 U	17600 JT
WR-VC-66	WLCDRD05WRVC066Worm		8000 U		100 U				500 U	240 J				500 U		730 NJ			250 J			110 U	164000 JT
WR-VC-72	WLCDRD05WRVC072Clam		300 U		100 U				110 U	210 U				77 U		290 U			140 U			110 U	19000 JT
WR-VC-72	WLCDRD05WRVC072Worm		12000 U		100 U				570 U	510 J				570 U		1100 NJ			340 J			160 J	229000 JT
WR-VC-108	WLCDRD05WRVC108Clam		400 U		100 U				110 U	210 U				77 U		290 U			140 U			110 U	28200 JT
WR-VC-108	WLCDRD05WRVC108Worm		17000 U		340 U				730 NJ	640 U				1600 U		1500 NJ			700 J			340 U	436000 JT
WR-VC-118	WLCDRD05WRVC118Clam		280 U		100 U				110 U	210 U				77 U		290 U			140 U			110 U	17800 JT
WR-VC-118	WLCDRD05WRVC118Worm		4600 U		100 U				500 U	210 U				500 U		390 NJ			190 J			110 U	84400 JT
Clackamas Fish Hatcher	WLTASE03CFH03254200	0.129 U	385	1.53	3.91	17.9	4.77	0.139 U	35.2	11.9 K	25.6	7.97	71.2	12.7	27.1	35.6	0.246 K	2.27	16.7	5.26 K	9.62	12.7	15300
Clackamas Fish Hatcher	WLTASE03CFH03254201	0.07	345	1.17	3.38	16.5	4.29	0.092 K	31.5	11.3	20.1	3.89	60.8	9.93	22.5	29.2	0.254 K	2.02	14.4	4.2	8.11	10.1	13800
Clackamas Fish Hatcher	WLTASE03CFH03254202	0.0757 U	216	0.841	2.23	11.2	2.75	0.11 K	20	7.65	15.4	5.04	42	7.67	15.5	21.9	0.152 K	1.46 K	11.1	3.32	5.84	6.89	8710
Clackamas Fish Hatcher	WLTASE03CFH03254210	0.059 JT	307 T	1.35 JT	3.1 T	13.6 T	3.64 JT	0.135 JT	28.8 T	10.3 T	20.5 T	6.54 T	58.1 T	10.5 T	20.8 T	28 T	0.197 JT	1.7 JT	14.4 T	5.01 T	9.17 T	11.9 T	12400 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	0.0308 U	273	1.14 K	2.99	15.9	3.45	0.121 K	29.6	10.3	18.3	6.72	52.9	9.45	19.9	26.9	0.0415 U	1.74	13.9	3.4 K	7.56	9.32 K	11000
Clackamas Fish Hatcher	WLTASE03CFH03254212	0.042 K	172	0.717 K	1.63 K	9.39	2	0.109	18.1	7.21	14.6	3.97	36.1	5.78	12.1	18.6	0.148 K	1.32 K	9.61	2.86 K	5.46	6.96	6890
Clackamas Fish Hatcher	WLTASE03CFH03254220	0.057 JT	258 T	0.916 JT	2.58 T	13.1 T	3.22 T	0.059 JT	23.3 T	8.81 T	14.7 T	4.71 T	45.3 T	7.03 JT	18.1 T	22.2 T	0.14 JT	1.66 JT	10.8 JT	2.57 JT	6.56 JT	7.23 T	13200 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	0.0405 U	389	1.47	3.82	21.7	4.57	0.099 K	37.8	15.4	23.9	7.53	68.5	11.5	28.1	36.2	0.17 K	2.33	17.9	4.13	9.34	11.9	16800
Clackamas Fish Hatcher	WLTASE03CFH03254222	0.16 U	317	1.19	2.98	15.2	4.22	0.172 U	25	9.82	19.5	7.77 K	56.5	11	20.2	28.3	0.145 K	2.01 K	11.8 K	3.94	7.43	9.8	14200
Clackamas Fish Hatcher	WLTASE03CFH03254223	0.037 UT	391 T	1.45 JT	4.05 T	18.3 T	4.6 JT	0.085 T	34.8 T	12.1 JT	23.1 T	7.54 T	72 T	11.3 T	24.9 T	33.2 T	0.178 JT	2.27 T	16.1 T	4.83 T	9.53 JT	11.3 JT	17100 T
RM 3.5-9.2	WLTASE03ISA03334750	0.165 UT	4260 T	8.5 T	84.4 T	487 T	112 T	0.178 UT	1190 T	418 T	666 T	135 T	1400 T	161 T	279 T	905 T	1.08 JT	56.6 T	343 T	58.2 T	118 T	129 T	92100 T
RM 3.5-9.2	WLTASE03ISA03334751	0.0496 U	5080	10.4	64.2	349	89.5	0.059 U	900	340	499	101	1180	132	312	766	0.939	37.4	392	53.3	152	173	84700
RM 3.5-9.2	WLTASE03ISA03354100	0.0798 U	12000	21.8	154	859	206	0.0949 U	2240	779	1270	314	2950	309	690	1860	1.51	105	867	123	334	484	206000
RM 3.5-9.2	WLTASE03ISA03354101	0.0726 U	6530	11.7	83.9	506	115	0.0862 U	1300	429	740	145	1730	183	398	1120	0.931	62.9	453	71.5	203	329	96200
RM 3.5-9.2	WLTASE03ISA03354102	0.596 U	57900	78.2	1190	7300	1640	0.695 U	15300	6010	8990	1990	15400	1760	2490	10300	4.24	728	2540	354	698	500	964000
Willamette Falls	WLTASE03WF03214300	0.135 U	664	3.69	10.3	40.5	9.83	0.638	76.6	20.9	49	12.2	118	22.3	54	76	0.838	5.65	36.1	13.3	19.5	31.6	38500
Willamette Falls	WLTASE03WF03214301	0.235 U	767	4.67	12.7	47.3	11.7	0.559	82.6	24.3	52.9	13.1	136	24.6	61.8	83.7	1.18 K	6.08 K	37.8	14.8	20.9	30.6	45700
Willamette Falls	WLTASE03WF03214302	0.178 K	786	4.57 K	13.7	49.4	12.7	0.696 K	90.2	26.2	55.9	13	139	28.4	69.3	91.8	1.1 K	6.83	44.8	18	24.3	35.2	46400
Willamette Falls	WLTASE03WF03214303	0.107 U	862	3.95	13.4	51	11.3	0.644	90	26.9	57.3	13.9	139	26.8	68.3	91.3	0.981	5.75	35.9	15	19.3	34.1	48600

Notes:
J - The associated numerical value is an estimated quantity.
K - Peak detected but did not meet QC criteria.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-54. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Tissue Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzo furan homologs	Pentachlorodibenzo furan homologs	Hexachlorodibenzo furan homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
FC001	LW2-BTFC001	4.21	0.165	1.8	4.42	11.7	8.08	2.79	1.56	1.23	0.807 U	36 T
FC002	LW2-BTFC002	6.7	1.45	2.97	6.24	14.4	12.7	3.6	2.42	1.71	0.847 U	52.2 T
FC003	LW2-BTFC003	5.44	1.08	1.42	3.93	11.2	9.27	3.84	1.71	1.1	0.55 U	39 T
FC004	LW2-BTFC004	5.99	1	1.4	4.83	12.9	8.89	3.03	1.82	1.47	0.848 U	41.3 T
FC005	LW2-BTFC005	6.9	1.46	3.29	7.1	18.8	12.3	5.64	3.01	2.12	1.12 U	60.6 T
FC0061	LW2-BTFC006 Rep 1	4.67 T	1.24 T	2.37 T	5.48 T	14.4 T	18.6 T	7.06 T	2.9 T	1.54 T	0.746 JT	59 JT
FC007	LW2-BTFC007	5.48	0.895	1.71	7.64	17.9	9.14	3.78	2.17	1.51	0.834 U	50.2 T
FC008	LW2-BTFC008	6.05	2.32	6.09	16	57.4	12.8	43	26.9	9.53	2.95	183 T
FC009	LW2-BTFC009	5.47	0.68	2.69	6.49	21.5	9.35	4.21	2.65	1.34	1.05 J	55.4 JT
FC010	LW2-BTFC010	5.13	0.984	1.4	4.75	13.2	6.5	2.82	1.86	1.49	0.808 U	38.1 T
FC011	LW2-BTFC011	8.32	1.19	2.76	6.96	16.4	13.1	5.33	2.82	1.26	1.1 J	59.2 JT
FC012	LW2-BTFC012	8.06	1.37	2.49	7.09	17.2	10.9	5.4	3.4	2.17	1.13 J	59.2 JT
FC013	LW2-BTFC013	6.24	1.16	1.68	7.43	19.6	9.15	2.92	2.2	1.47	1.66 J	53.5 JT
FC014	LW2-BTFC014	10.4	2.15	5.6	10.3	23.5	15.2	9.76	5.69	3.2	1.42 J	87.2 JT
FC015	LW2-BTFC015	12.7	2.53	6.75	13	25	21	14.4	7.88	3.93	1.73 J	109 JT
FC016	LW2-BTFC016	6.86	1.43	2.75	8.16	25.3	10.5	4.8	3.04	2.2	1.68 J	66.7 JT
FC017	LW2-BTFC017	13.6	1.78	4.08	8.95	23.2	52.3	17.6	6.02	1.91	1.53 J	131 JT
FC018	LW2-BTFC018	9.18	1.97	3.67	9.45	24.2	56.4	27.7	10.4	3.82	2.09 J	149 JT
FC019	LW2-BTFC019	5.78	1.36	4.88	34.1	110	8.57	8.15	7.94	4.7	3.26	189 T
FC020	LW2-BTFC020	7.37	1.36	2.92	8.96	24.2	13.7	4.77	2.38	1.5	1.52 J	68.7 JT
FC024	LW2-BTFC024	5.17	0.799	1.01	6.1	21.5	14.5	3.1	1.67	1.09	1.17 J	56.1 JT
FC026	LW2-BTFC026	8.99	2.17	5.61	17.9	43.4	14.1	6.6	7.42	7.77	3.95	118 T
FC0271	LW2-BTFC027 Rep 1	5.02 T	0.821 T	1.88 T	4.18 T	12.6 T	5.53 T	2.19 T	1.43 T	1.28 T	0.801 JT	35.7 JT
FC028	LW2-BTFC028	11	2.11	4.83	16.6	97	15.4	6.84	4.35	5.43	7.4	171 T
FC029	LW2-BTFC029	7.96	2.5	5.99	18.8	50.6	16.8	8.23	7.32	6.64	4.05	129 T
FC030	LW2-BTFC030	7.32	1.4	3.25	9.2	30.3	8.78	3.44	2.69	2.32	1.51 J	70.2 JT
FC031	LW2-BTFC031	6.07	1.14	2.31	5.05	15.3	6.36	2.75	1.74	1.56	0.994 J	43.3 JT
FC032	LW2-BTFC032	5.82	1.96 U	7.22	30.1	95.4	7.35	3.23	3.28	10.1	8.46 J	171 JT
FC033	LW2-BTFC033	4.09	0.299	1.79	4.85	13.1	4.05	1.62	1.48	1.41	0.939 J	33.6 JT
BT001	LW2-BTLC001	0.608	0.117 U	0.378	0.516	2.8	1.32	0.198	0.308	0.188	0.25 U	6.32 T
BT002	LW2-BTLC002	0.611	0.117 U	0.365	1.53	4.96	2.46	0.643	0.67	0.334	0.45 U	11.6 T
BT003	LW2-BTLC003	0.452	0.114 U	0.081	0.278	2.38	1.04	0.415	0.185	0.128 U	0.13 U	4.83 T
BT004	LW2-BTLC004	0.437	0.054	0.21	0.29	2.12 J	0.888	0.154	0.241	0.132 U	0.09 J	4.48 JT
BT005	LW2-BTLC005	0.553	0.116 U	0.33	1.42	5.91	1.49	0.29	0.57	0.31	0.245 U	10.9 T
BT0061	LW2-BTLC006-1	0.572	0.128	0.159 U	0.98	3.34	1.89	0.875	0.419	0.193	0.206 J	8.6 JT
BT0062	LW2-BTLC006-2	0.527	0.051	0.117	1.13	4.4	1.7	0.873	0.461	0.338	0.253 J	9.85 JT
BT007	LW2-BTLC007	2.16	0.607	3.52	13.6	49.2	5.83	23.5	23.3	8.33	2.12 J	132 JT
BT008	LW2-BTLC008	1.24	0.507	3.23	14	53.5	3.92	2.48	6.97	8.5	4.84	99.2 T
BT009	LW2-BTLC009	0.486	0.063	0.15	4.06	11.8	1.29	1.35	1.06	0.844	0.556 J	21.7 JT
BT010	LW2-BTLC010	0.473	0.113 U	0.34	0.53	3.12	1.24	0.319	0.323	0.127 U	0.122 J	6.47 JT
BT011	LW2-BTLC011	0.342	0.115 U	0.178	1.71	4.47	1.18	0.399	0.12	0.193	0.238 J	8.83 JT
BT012	LW2-BTLC012	0.777	0.063	1.22	2.88	9.04	2.61	2.13	2.18	1.07	0.493 J	22.5 JT
BT013	LW2-BTLC013	0.508	0.299	0.609	1.65	6.04	1.47	0.571	0.892	0.556	0.225 U	12.6 T
BT014	LW2-BTLC014	0.0496 U	0.059	0.338	1.13	4.27	1.67	0.431	0.45	0.285	0.212 J	8.85 JT
BT015	LW2-BTLC015	0.771	0.165	0.208	0.536	5.22	2.18	0.839	0.622	0.399	0.223 U	10.9 T
BT016	LW2-BTLC016	0.728	0.138	0.962	2.1	6.59	1.51	1.38	0.977	0.435	0.298 U	14.8 T
BT017	LW2-BTLC017	48.2	30.9	15.6	25.9	28.1	397	128	18.5	2.47	1.53 J	696 JT
BT018	LW2-BTLC018	0.815	0.084	2.47	1.39	5.14	9.43	6.81	3.58	1.12	0.601 J	31.4 JT
BT019	LW2-BTLC019	0.765	0.319	1.25	4.95	15.2	2.73	2.95	3.37	1.03	0.608 J	33.2 JT
BT020	LW2-BTLC020	1.75	0.209	0.532	2.51	10.7	3.81	1.48	0.531	0.719	0.419 J	22.7 JT
BT021	LW2-BTLC021	0.779	0.182	0.429	1.48	5.57	1.83	0.548	0.862	0.369	0.229 J	12.3 JT
BT022	LW2-BTLC022	1.8	0.809	4	8.64	25	5.12	5.43	4.66	1.71	1.01 J	58.2 JT
BT023	LW2-BTLC023	0.81	0.116 U	0.401	1.27	4.82	1.95	0.81	1.03	0.432	0.262 U	11.5 T
BT024	LW2-BTLC024	1.46	0.065	0.565	3.88	17	4.8	2.55	1.65	0.761	0.789 J	33.5 JT
BT025	LW2-BTLC025	0.527	0.187	0.072	1.46	7.19	1.79	0.63	0.299	0.457	0.32 U	12.6 T
BT026	LW2-BTLC026	0.0495 U	0.129	0.253	1.55	5.67	1.98	0.948	0.811	0.621	0.382 J	12.3 JT
BT0271	LW2-BTLC027-1	0.652	0.117 U	0.355	0.44	3.59	1.67	0.792	0.383	0.16	0.205 U	8.04 T
BT0272	LW2-BTLC027-2	0.519	0.118 U	0.211	1.03	3.71	1.11	0.566	0.259	0.183	0.313 U	7.59 T
BT028	LW2-BTLC028	2.12	0.053	2.55	8.52	39.4	3.74	2.34	2.84	3.38	3.3	68.2 T
BT029	LW2-BTLC029	0.562	0.165	0.18	1.25	8.38	1.44	0.132 U	0.711	0.751	0.494 U	13.4 T
BT030	LW2-BTLC030	1.04	0.088	0.063	1.24	5.66	3.26	1.25	0.865	0.238	0.223 U	13.7 T
BT031	LW2-BTLC031	0.0496 U	0.117 U	0.166 U	1.35	5.29	1.87	0.384	0.346	0.132 U	0.367 J	9.61 JT
BT032	LW2-BTLC032	0.742	0.354	0.94	2.52	10.1	2	1.5	1.27	0.659	0.794 J	20.9 JT
BT033	LW2-BTLC033	0.844	0.113 U	0.15	1.17	5.35	1.77	0.664	0.486	0.127 U	0.264 J	10.7 JT
BT001	LW2-BTLW001	8.67	3.17	5.79	9.74	15	16.9	10	5.59	3.91	1.64 J	80.4 JT
BT002	LW2-BTLW002	9.85	3.82	6.07	14.2	28.6	46.9	19.5	6.61	4.32	1.87 J	142 JT
BT003	LW2-BTLW003	8.5	1.98	4.44	8.39	16.6	11.5	7.67	4.05	3.32	1.69 J	68.1 JT
BT004	LW2-BTLW004	5.46	2.11	4.72	10.8	13	9.12	7.14	4.11	3.58	1.35 J	61.4 JT

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Table C2-54. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Tissue Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzo furan homologs	Pentachlorodibenzo furan homologs	Hexachlorodibenzo furan homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
BT005	LW2-BTLW005	11.2	5	17.1	46.5	405	16.2	13.2	10.3	13	7.05	545 T
BT0061	LW2-BTLW006-1	6.66	2.53	5.27	8.87	13.3	19.4	12.2	5.38	2.34	1.29 J	77.2 JT
BT0062	LW2-BTLW006-2	8.59	3.35	5.76	8.92	13.6	25	14.7	6	3.63	1.43 J	91 JT
BT007	LW2-BTLW007	5.81	3.47	14.1	62.5	174	8.31	8.62	25.1	56.1	30.6	389 T
BT008	LW2-BTLW008	7.17	4.68	21.5	79.3	220	15.5	130	112	58.5	18.2	667 T
BT009	LW2-BTLW009	9.51	5	12.3	30.6	58.2	19.2	47.6	33.1	15.3	4.18	235 T
BT010	LW2-BTLW010	8.71	3.63	8.79	15.3	33.8	14.2	13.1	7.24	5.44	2.34	113 T
BT011	LW2-BTLW011	8.44	2.39	5.35	16.5	23	12	7.89	5.36	4.65	2.22 J	87.8 JT
BT012	LW2-BTLW012	7.78	12.5	34.1	43	69	68.5	87.3	50.6	28.2	5.71	407 T
BT013	LW2-BTLW013	8.69	3.03	8.65	16.1	25.4	11.3	11.3	9.35	6.5	1.96 J	102 JT
BT014	LW2-BTLW014	10.7	4.1	14.6	19.8	24.6	27.3	20.2	19.3	8.93	2.29 J	152 JT
BT015	LW2-BTLW015	11.2	3.58	10.3	13.9	19.8	28.9	23.4	12.8	5.79	1.96 J	132 JT
BT016	LW2-BTLW016	13.5	10.7	18.4	29.3	76	21.6	31.3	15.8	9.83	4.3	231 T
BT017	LW2-BTLW017	446	291	71.1	29.4	38	4000	1380	160	19.9	6.98	6440 T
BT018	LW2-BTLW018	11.9	3.81	7.52	18	42.5	209	137	46.4	11.3	5.88	493 T
BT019	LW2-BTLW019	9.49	4.5	16.8	48.9	107	12.4	36.6	38.2	17.9	4.59	296 T
BT020	LW2-BTLW020	9.55	2.94	4.83	10.9	24.1	17.4	12.9	5.75	3.63	1.64 J	93.6 JT
BT021	LW2-BTLW021	9.63	2.96	6.38	14.9	35.5	17.7	12	7.08	5.41	2.3	114 T
BT022	LW2-BTLW022	9.17	5.71	17.4	35.6	74.3	13.5	18.3	15.7	9.56	2.71	202 T
BT023	LW2-BTLW023	10.6	6.33	12.9	16.1	21.2	22.8	16.9	13.5	9.16	2.16 J	132 JT
BT024	LW2-BTLW024	6.29	3.08	8.32	15.7	26.1	19.7	10.7	6.68	5.16	1.82 J	104 JT
BT025	LW2-BTLW025	5.71	2.63	6.48	14.9	36.9	8.61	7.69	5.63	5.38	2.41	96.3 T
BT026	LW2-BTLW026	8.02	2.43	6.61	18.9	43.7	21.2	11.7	11.5	13.3	8.1	145 T
BT0271	LW2-BTLW027-1	12.2	2.69	4.67	9.26	16.5	11.8	7.73	4.59	2.45	1.77 J	73.7 JT
BT0272	LW2-BTLW027-2	8.97	2.13	3.67	6.25	10.7	8.27	6.01	3.6	2.46	0.97 J	53 JT
BT028	LW2-BTLW028	14.7	5.8	15.1	47	199	19.7	14.7	13	21.4	22	372 T
BT029	LW2-BTLW029	5.65	1.37	6.74	17.8	30.4	12.2	10.8	7.96	6.15	2.4	101 T
BT030	LW2-BTLW030	5.58	2.09	4.54	9.38	19.7	7.58	7.02	4.61	3.85	1.27 J	65.6 JT
BT031	LW2-BTLW031	8.14	1.48	4.2	7.12	13	6.13	3.68	3.11	2.94	1.21 J	51 JT
BT032	LW2-BTLW032	6.77	4.54	10.3	15.4	32.8	14.7	15.4	10.3	8.16	3.8	122 T
BT033	LW2-BTLW033	7.47	1.81	4.44	10.5	25.7	4.82	4.52	3.72	4.21	2.5	69.7 T
MIT001	LW2-MIT001	4.03	0.91	1.99	6.34	18.9	7.32	3.95	2.02	1.86	1.75	49.1 T
MIT002	LW2-MIT002	0.974	0.238	2.52	13.9	53.2	4.73	2.4	2.81	3.93	3.27	88 T
MIT356	LW2-MIT003/005/006	6.8	1.11	3.16	10.3	32.2	31.7	21.2	11.9	4.32	3.47	126 T
MIT004	LW2-MIT004	2.79	0.175 U	2.78	9.81	30.1	4.84	4.58	3.22	2.31	1.77 J	62.2 JT
MIT007	LW2-MIT007	1.17	0.672 U	5.78	44.4	122	1.18	0.446	3.29	4.45	3.29 J	186 JT
MIT810	LW2-MIT008/010	5.72	1.4	3.83	16.8	60.3	5.3	3.79	3.22	4	3.95	108 T
MIT009	LW2-MIT009	4.11	1.39	7.56	35.8	130	5.15	4.96	6.38	8.51	8.66	213 T
T01	LW2-T01-REP1	0.0594 U	0.87	2.79	9.15	19.4	0.358	0.985	1.72	2.61	2.03 J	39.9 JT
T01	LW2-T01-REP2	0.276	0.813	2.93	8.13	17.6	0.517	0.833	0.893	1.32	1.25 J	34.6 JT
T01	LW2-T01-REP3	0.275	0.817	3.79	10.2	20.8	0.333	0.805	1.04	1.65	1.63 J	41.3 JT
T02	LW2-T02-REP1	0.512	0.619	8.02	12.4	8.28	4.5	4.27	2.05	1.18	0.602 J	42.4 JT
T02	LW2-T02-REP2	0.414	0.627	1.8	3.23	5.24	4.46	3.35	1.21	0.521	0.432 J	21.3 JT
T02	LW2-T02-REP3	0.876	2.29	3.41	4.48	7.46	3.95	2.78	1.06	0.78	0.703 J	27.8 JT
T03	LW2-T03-REP1	0.371	0.954	3.14	7.83	14.7	0.343	1.14	1.47	1.44	0.941 J	32.3 JT
T03	LW2-T03-REP2	0.252	0.727	3.11	8.42	15.7	0.473	1.96	1.85	2.07	1.57 J	36.1 JT
T03	LW2-T03-REP3	0.0577 U	1.12	4.57	9.44	18.3	0.554	1.39	1.83	1.63	1 J	39.8 JT
T04	LW2-T04-REP1	0.054 U	0.301	0.25	1.02	2.36	0.212	0.206	0.212	0.263	0.245 J	5.07 JT
T04	LW2-T04-REP2	0.0561 U	0.365	0.551	1.18	2.45	0.307	0.597 U	0.216	0.0561 U	0.243 J	5.31 JT
T04	LW2-T04-REP3	0.243	0.701	1.08	1.08	2.08 J	0.251	0.371	0.071	0.097	0.203 J	6.18 JT
02R001	LWG0102R001TSCRWBC00	0.329	0.285	0.838	2.37	8	3.21	1.48	0.464	0.525	0.865	18.4 T
02R001	LWG0102R001TSSPWBC00	0.143	0.238	0.899	1.76	3.31	1.9	1.01	0.529	0.316	0.115	10.2 T
03R003	LWG0103R003TSCRWBC00	0.563	0.57	1.75	7.81	21.8	2.86	3.1	1.38	1.56	1.2	42.6 T
03R004	LWG0103R004TSCRWBC00	0.483	0.404	1.29	5.33	17.5	2.66	3.81	1.7	1.38	1.19	35.7 T
03R004	LWG0103R004TSSPWBC10	0.327	0.565	1.42	2.29	4.71	2.26	2.15	2.46	1.63	0.491	18.3 T
03R005	LWG0103R005TSCRWBC00	0.504	0.649	1.83	5.83	13.7	4.88	4.15	1.59	1.01	0.759	34.9 T
03R005	LWG0103R005TSSPWBC00	0.119	0.187	0.657	1.43	3.05	1.73	1	0.683	0.394	0.16	9.41 T
03R014	LWG0103R014TSSBWBC00	0.537	0.689 J	0.813	0.39	0.367 U	2.19	1.7	0.531	0.224	0.095 U	7.07 JT
04R023	LWG0104R023TSSBWBC10	0.702	0.864	1.07	0.384	0.451 U	2.68	2.8	1.2	0.496	0.15 U	10.2 T
04R023	LWG0104R023TSSBWBC20	0.531	0.916	1.5	1.28	1 U	3.79	5.76	2.07	0.426	0.13 U	16.3 T
04R023	LWG0104R023TSSBWBC30	0.468	0.67	1.19	2.06	3.31	2.56	2.26	0.979	0.386	0.148 U	13.9 T
05R006	LWG0105R006TSSBWBC00	0.598	0.756	1.28	0.676	0.6	3.55	2.79	1.08	0.016 U	0.046 U	11.3 T
06R002	LWG0106R002TSSPWBC10	0.407	1.33	3.78	10.8	40	2.29	3.59	4.99	3.32	1.21	71.7 T
06R002	LWG0106R002TSSPWBC20	0.469 T	1.51 T	3.85 T	5.33 T	11 T	6.8 T	37.4 T	15.3 T	1.98 T	0.458 T	84.1 T
06R004	LWG0106R004TSCRWBC10	0.947	0.475	1.29	4.55	9.96	7.24	6.86	2.25	0.628	0.377	34.6 T
06R004	LWG0106R004TSCRWBC20	0.617	0.348	1.66	22.6	30	5.75	4.07	0.989	1.02	0.89	67.9 T
06R004	LWG0106R004TSSPWBC00	0.438	0.481	1.24	2.18	4.19	18.6	11.3	3.77	0.56	0.17	42.9 T
06R024	LWG0106R024TSSBWBC00	0.393	0.596	0.558	0.779	0.454 U	0.693	1.3	0.317	0.107	0.057 U	4.74 T

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Table C2-54. Dioxin and Furan Values Used in Total Dioxin/Furan Calculations for Tissue Samples.

	CAS No	41903-57-5	36088-22-9	34465-46-8	37871-00-4	3268-87-9	30402-14-3	30402-15-4	55684-94-1	38998-75-3	39001-02-0	TOTPCDD_F
	Chemical Name	Tetrachlorodibenzo-p-dioxin homologs	Pentachlorodibenzo-p-dioxin homologs	Hexachlorodibenzo-p-dioxin homologs	Heptachlorodibenzo-p-dioxin homologs	Octachlorodibenzo-p-dioxin	Tetrachlorodibenzo furan homologs	Pentachlorodibenzo furan homologs	Hexachlorodibenzo furan homologs	Heptachlorodibenzofuran homologs	Octachlorodibenzofuran	Total PCDD/F
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
06R031	LWG0106R031TSCRWBC00	0.737	1.1	3.94	16.1	57.2	3.57	14.5	11.5	3.62	1.79	114 T
07R006	LWG0107R006TSCRWBC00	0.801	0.621	3.98	10.4	21.6	105	89.2	34.6	8.62	6.08	281 T
07R006	LWG0107R006TSSPWBC00	0.206	0.207	2.08	17.7	37.9	117	117	89.2	5.32	1.56	388 T
07R009	LWG0107R009TSSBWBC10	0.819	1.49	2.85	1.06	1.38	9.24	21.4	7.79	1.23	0.173	47.4 T
07R009	LWG0107R009TSSBWBC20	0.76	1.51	4.69	3.48	4.38	6.94	19.5	5.8	1.41	0.258	48.7 T
07R009	LWG0107R009TSSBWBC30	1.67	3.05	6.85	2.98	4.44	7.26	12.3	5.23	1.2	0.241	45.2 T
08R003	LWG0108R003TSCRWBC00	0.807	1.34	2.76	3.63	7.72	5.58	18.3	3.93	0.589	0.307 U	44.7 T
08R003	LWG0108R003TSSPWBC00	0.18	0.308	1.22	1.75	3.15	1.27	1.07	1.17	0.491	0.143	10.8 T
08R010	LWG0108R010TSSBWBC10	0.917	1.89	2.99	1.37	0.736 U	2.24	3.39	2.3	0.544	0.115 U	15.6 T
08R010	LWG0108R010TSSBWBC20	0.606	1.25	2.71	1.89	0.981 U	3.03	4.06	1.6	0.286	0.074 U	15.4 T
08R010	LWG0108R010TSSBWBC30	0.732	1.47	2.31	1.45	1.91	2.41	3.09	1.41	0.39	0.104	15.3 T
08R032	LWG0108R032TSSBWBC00	0.815	1.09	1.4	0.368	0.404	2.46	3.45	1.28	0.567	0.111	11.9 T
09R002	LWG0109R002TSCRWBC00	0.844	0.733	2.97	8.89	28.4	2.71	3.85	1.65	1.24	1.31	52.6 T
09R002	LWG0109R002TSSPWBC00	0.256	0.73	2.72	5.75	13.7	1.41	1.16	1.47	0.886	0.554	28.6 T
09R006	LWG0109R006TSSBWBC00	1.09	1.17	1.83	1.31	0.897 U	2.48	2.56	1.22	0.323	0.1 U	12 T
20R001	LWG0120R001TSBBWBC10	2.21	0.6	1.5	0.931	0.474 U	0.658	0.871	0.384	0.299	0.046 U	7.45 T
20R001	LWG0120R001TSBBWBC20	0.211	0.427	1.26	0.795	0.632	0.375	0.807	0.428	0.128	0.046 U	5.06 T
20R001	LWG0120R001TSSBWBC10	0.47	1.09	2.33	0.547	0.409	1.24	2.89	1.13	0.32	0.063	10.5 T
20R001	LWG0120R001TSSBWBC20	0.443	0.764	1.22	0.55	2.43	1.77	1.57	0.721	0.25	0.053	9.77 T
20R001	LWG0120R001TSSBWBC30	0.514	0.704	0.631	0.38	0.17	1.3	1.12	0.432	0.115	0.046 U	5.37 T
28R001	LWG0128R001TSBBWBC00	0.194	0.188	0.482	0.369	0.273	0.503	0.579	0.309	0.136	0.045 U	3.03 T
28R001	LWG0128R001TSSBWBC10	0.404	0.53	0.807	0.664	0.233	0.984	1.13	0.591	0.32	0.071	5.73 T
28R001	LWG0128R001TSSBWBC20	0.376	0.423	0.476	0.569	0.199	0.736	0.97	0.515	0.239	0.077	4.58 T
28R001	LWG0128R001TSSBWBC30	0.316	0.377	0.335	0.198	0.212	0.838	0.987	0.39	0.277	0.058	3.99 T
FZ0306	LWG01FZ0306TSBBWBC10	0.273	0.564	2.26	2.93	1.61	1	1.85	1.17	0.445	0.112	12.2 T
FZ0306	LWG01FZ0306TSBBWBC20	0.377	0.717	2.21	2.63	2.05	0.743	1.9	1.48	0.63	0.181 U	12.7 T
FZ0306	LWG01FZ0306TSBBWBC30	0.324	0.574	1.78	2.16	3.36	1.24	2	0.867	0.253	0.046 U	12.6 T
FZ0306	LWG01FZ0306TSBCWBC10	0.389	0.6	1.12	1.89	0.364 U	1.88	1.24	0.681	0.093	0.046 U	7.89 T
FZ0306	LWG01FZ0306TSBCWBC20	0.566	1.04	2.74	6.52	0.468 U	2.25	1.73	1.02	0.207	0.128 U	16.1 T
FZ0306	LWG01FZ0306TSCPWBC10	0.492	0.714	3.07	6.46	10.2	2.13	2.38	1.61	1.13	0.262	28.4 T
FZ0306	LWG01FZ0306TSCPWBC20	0.77	1.8	8.09	13.2	19.7	3.43	16.3	13	2.8	0.636	79.7 T
FZ0306	LWG01FZ0306TSCPWBC30	0.609	0.977	3.54	5.25	8.04	2.36	2.24	1.83	1.01	0.266	26.1 T
FZ0609	LWG01FZ0609TSBBWBC10	0.461	0.846	3.29	3.51	2.8	0.826	3.02	2.48	0.567	0.121 U	17.8 T
FZ0609	LWG01FZ0609TSBBWBC20	0.372	0.63	2.06	3.32	2.62	1.2	2.55	1.47	0.21	0.05 U	14.4 T
FZ0609	LWG01FZ0609TSBBWBC30	0.543	0.697	2.15	3.25	3.89	0.941	2.16	1.39	0.616	0.163 U	15.6 T
FZ0609	LWG01FZ0609TSBCWBC10	0.322	0.498	1.69	1.55	1.21	2.09	1.87	1.51	0.22	0.093 U	11 T
FZ0609	LWG01FZ0609TSBCWBC20	0.39	0.547	1.01	0.879	0.556 U	2.35	1.27	1.06	0.163	0.085 U	7.67 T
FZ0609	LWG01FZ0609TSCPWBC10	0.795	1.4	7.25	17	31.1	2.89	5.83	6.78	7.13 J	0.711	80.9 JT
FZ0609	LWG01FZ0609TSCPWBC20	1.16	2.2	10.1	18.3	18.7	3.73	5.26	4.75	2.4	0.448	67 T
FZ0609	LWG01FZ0609TSCPWBC30	0.57	1.27	5.63	16.4	36.7	2.62	3.7	3.05	1.79	0.456	72.2 T
Clackamas Fish Hatcher	WLTASE03CFH03254200	0.072	0.057	0.065	0.038 U	0.02 U	0.952	0.224	0.02	0.026	0.029 U	1.42 T
Clackamas Fish Hatcher	WLTASE03CFH03254201	0.071 T	0.051 T	0.0605 T	0.084 T	0.27 T	0.969 T	0.201 T	0.02 UT	0.02 UT	0.02 UT	1.71 T
Clackamas Fish Hatcher	WLTASE03CFH03254202	0.064 T	0.042 T	0.0505 T	0.13 T	0.208 T	0.598 T	0.131 T	0.022 T	0.0245 T	0.035 T	1.31 T
Clackamas Fish Hatcher	WLTASE03CFH03254210	0.019 U	0.055	0.059	0.06	0.209 U	0.77	0.149	0.019 U	0.019 U	0.023 U	1.09 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	0.097	0.047	0.019 U	0.036 U	0.212 U	0.759	0.172	0.019 U	0.019 U	0.029 U	1.08 T
Clackamas Fish Hatcher	WLTASE03CFH03254212	0.027	0.02 U	0.036	0.038	0.225 U	0.417	0.134	0.02 U	0.02 U	0.033 U	0.652 T
Clackamas Fish Hatcher	WLTASE03CFH03254220	0.097	0.059	0.02 U	0.153	0.215	0.975	0.097	0.02 U	0.025	0.042 U	1.62 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	0.175	0.08	0.076	0.14 U	0.262 U	1.19	0.241	0.026	0.054	0.045 U	1.84 T
Clackamas Fish Hatcher	WLTASE03CFH03254222	0.08	0.02 U	0.116	0.057	0.247 U	0.84	0.202	0.025	0.02 U	0.05 U	1.32 T
Clackamas Fish Hatcher	WLTASE03CFH03254223	0.104 T	0.0595 T	0.0515 T	0.107 UT	0.202 UJT	1.01 T	0.11 T	0.023 T	0.024 T	0.078 T	1.46 T
RM 3.5-9.2	WLTASE03ISA03334750	0.084 T	0.0615 T	0.199 T	0.623 T	1.28 JT	0.844 T	0.142 T	0.284 T	0.228 T	0.115 UT	3.75 JT
RM 3.5-9.2	WLTASE03ISA03334751	0.06	0.02 U	0.094	0.202	0.304	0.584	0.116	0.105	0.171	0.049 U	1.64 T
RM 3.5-9.2	WLTASE03ISA03354100	0.182	0.106	0.467	0.571	1.11	1.05	0.413	0.355	0.2	0.064 U	4.45 T
RM 3.5-9.2	WLTASE03ISA03354101	0.234	0.368	3.78	5.39	8.08	0.646	0.998	2.49	0.862	0.369	23.2 T
RM 3.5-9.2	WLTASE03ISA03354102	0.134	0.128	0.579	0.864	1.33	1.08	0.574	0.651	0.233	0.082 U	5.57 T
Willamette Falls	WLTASE03WF03214300	0.376	0.082	0.275	0.284	0.496	2.85	0.728	0.337	0.167	0.05 U	5.6 T
Willamette Falls	WLTASE03WF03214301	0.426	0.02 U	0.239	0.357	0.5	3.19	0.859	0.474	0.104	0.052 U	6.15 T
Willamette Falls	WLTASE03WF03214302	0.401	0.124	0.391	0.488	0.731	3.2	0.904	0.473	0.142	0.054 U	6.85 T
Willamette Falls	WLTASE03WF03214303	0.418	0.062	0.259	0.43	0.618	3.17	0.827	0.316	0.105	0.056 U	6.21 T

Notes:
J - The associated numerical value is an estimated quantity.
K - Peak detected but did not meet QC criteria.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
FC001	LW2-BTFC001	0.172 U	0.165 U	0.092 U	0.13 U	2.22	11.7	0.418 J	1.3	0.15 J	0.256 U	0.125 J
FC002	LW2-BTFC002	0.264 U	0.21 U	0.123 U	0.192 J	3.01	14.4	0.608 J	1.54	0.211 U	0.384 U	0.182 U
FC003	LW2-BTFC003	0.181 U	0.165 U	0.086 U	0.124 J	1.94	11.2	0.375 J	1.32 U	0.212 J	0.36 U	0.173 J
FC004	LW2-BTFC004	0.192 U	0.15 U	0.089 J	0.168 J	2.36	12.9	0.448 J	1.16	0.16 J	0.33 U	0.155 U
FC005	LW2-BTFC005	0.225 U	0.235 U	0.125 J	0.215 J	3.31	18.8	0.666 J	1.39	0.202 U	0.475 U	0.227 J
FC0061	LW2-BTFC006 Rep 1	0.182 JT	0.19 JT	0.0905 JT	0.158 JT	2.78 T	14.4 T	0.526 JT	1.65 T	0.205 JT	0.478 JT	0.159 JT
FC007	LW2-BTFC007	0.202 U	0.178 U	0.103 J	0.15 J	2.73	17.9	0.458 J	1.07 U	0.165 U	0.313 U	0.161 J
FC008	LW2-BTFC008	0.325 U	0.388 J	0.18 J	0.261 J	7.35	57.4	1.58	1.45	0.617 J	6.33	3.41
FC009	LW2-BTFC009	0.181 U	0.201 U	0.104 J	0.196 J	3.21	21.5	0.606 J	1.29	0.182 J	0.427 U	0.22 J
FC010	LW2-BTFC010	0.202 U	0.156 U	0.073 J	0.173 U	2.38	13.2	0.46 J	0.939	0.133 J	0.269 U	0.143 J
FC011	LW2-BTFC011	0.232 U	0.234 J	0.119 J	0.169 J	3.27	16.4	0.613 J	2.27	0.486 J	0.583 J	0.342 J
FC012	LW2-BTFC012	0.218 U	0.289 U	0.136 J	0.266 J	3.57	17.2	0.701 J	2.25	0.413 J	0.578 U	0.355 J
FC013	LW2-BTFC013	0.223 U	0.211 J	0.098 J	0.194 U	3.6	19.6	0.502 U	0.919	0.096 U	0.257 J	0.136 J
FC014	LW2-BTFC014	0.291 U	0.449 U	0.221 J	0.464 J	5.6	23.5	1.3	3.51	1.12 J	1.16	0.884 J
FC015	LW2-BTFC015	0.382 U	0.544 J	0.268 U	0.489 J	6.69	25	1.48	5.48	1.84	1.71	1.3
FC016	LW2-BTFC016	0.239 U	0.257 J	0.122 J	0.199 U	3.99	25.3	0.674 J	0.902	0.153 J	0.347 U	0.235 J
FC017	LW2-BTFC017	0.432	0.373 J	0.189 J	0.307 U	4.58	23.2	0.984 J	17.3	3.56	3.06	1.79 J
FC018	LW2-BTFC018	0.329 U	0.263 J	0.162 U	0.269 J	4.07	24.2	0.745 J	24.4	7.01	5.87	4.8
FC019	LW2-BTFC019	0.193 U	0.273 J	0.189 J	0.27 J	9.55	110	1.19 J	0.971	0.267 J	0.675 J	0.359 J
FC020	LW2-BTFC020	0.239 U	0.23 J	0.169 U	0.26 U	4.35	24.2	0.726 J	2.4	0.268 J	0.428 J	0.213 U
FC021	LW2-BTFC021											
FC022	LW2-BTFC022											
FC024	LW2-BTFC024	0.165 J	0.14 U	0.107 U	0.172 J	3.01	21.5	0.432 U	1.9	0.09 J	0.297 J	0.101 J
FC025	LW2-BTFC025											
FC026	LW2-BTFC026	0.249	0.343 J	0.227 J	0.402 J	8.81	43.4	1.08 J	0.941	0.148 J	0.49 J	0.418 J
FC0271	LW2-BTFC027 Rep 1	0.116 UT	0.161 JT	0.086 JT	0.138 JT	2 T	12.6 T	0.37 JT	0.581 T	0.058 UT	0.157 JT	0.066 JT
FC028	LW2-BTFC028	1.05 U	0.31 J	0.179 J	0.354 J	8.82	97	0.947 J	1.28	0.113 J	0.364 J	0.161 J
FC029	LW2-BTFC029	0.299 U	0.448 J	0.248 J	0.539 J	9.32	50.6	1.25	1.28	0.211 J	0.564 J	0.397 J
FC030	LW2-BTFC030	0.224 U	0.218 J	0.156 J	0.24 J	4.42	30.3	0.625 J	0.875	0.086 J	0.238 J	0.131 J
FC031	LW2-BTFC031	0.175 U	0.197 J	0.106 U	0.211 J	2.75	15.3	0.468 J	0.654	0.057 J	0.165 J	0.084 J
FC032	LW2-BTFC032	0.974 U	1.96 U	2.77 U	0.939 J	16.1 J	95.4	1.82 J	0.833 U	2.27 U	1.67 U	1.82 U
FC033	LW2-BTFC033	0.138 U	0.146 J	0.085 J	0.156 J	2.37	13.1	0.385 J	0.343	0.144 U	0.132 J	0.075 U
BT001	LW2-BTLC001	0.065 U	0.081 U	0.071 U	0.095 J	0.352 U	2.8	0.145 J	0.305 U	0.073 U	0.117 U	0.09 J
BT002	LW2-BTLC002	0.051 J	0.075 U	0.08 J	0.073 U	0.63 J	4.96	0.115 J	0.289	0.079 U	0.178 U	0.093 J
BT003	LW2-BTLC003	0.071 U	0.114 U	0.161 U	0.0921 U	0.26 U	2.38	0.083 U	0.122 U	0.054 U	0.093 U	0.048 U
BT004	LW2-BTLC004	0.058 U	0.117 U	0.165 U	0.054 J	0.29 U	2.12 J	0.077 J	0.166 J	0.057 U	0.095 U	0.109 U
BT005	LW2-BTLC005	0.086 U	0.116 U	0.165 U	0.0944 U	0.546 U	5.91	0.101 U	0.162 J	0.051 U	0.075 U	0.108 U
BT0061	LW2-BTLC006-1	0.088 U	0.061 J	0.159 U	0.074 U	0.414 U	3.34	0.088 U	0.246 U	0.077 U	0.11 U	0.056 U
BT0062	LW2-BTLC006-2	0.068 U	0.051 J	0.156 U	0.055 U	0.5 U	4.4	0.117 J	0.193 J	0.06 U	0.091 U	0.056 U
BT007	LW2-BTLC007	0.173 J	0.211 J	0.121 U	0.178 J	5.04	49.2	1.1 J	0.895	0.343 J	3.19	3.28
BT008	LW2-BTLC008	0.144 U	0.13 U	0.083 J	0.148 J	5.27	53.5	0.833 J	0.774	0.065 J	0.217 U	0.204 J
BT009	LW2-BTLC009	0.088 U	0.063 J	0.165 U	0.075 U	1.19	11.8	0.15 J	0.184 U	0.135 U	0.199 U	0.161 J
BT010	LW2-BTLC010	0.07 U	0.113 U	0.16 U	0.0915 U	0.364 U	3.12	0.086 J	0.164 U	0.051 U	0.076 U	0.105 U
BT011	LW2-BTLC011	0.058 U	0.115 U	0.163 U	0.062 U	0.566 U	4.47	0.077 J	0.186 U	0.072 U	0.077 U	0.061 U
BT012	LW2-BTLC012	0.081 U	0.049 U	0.163 U	0.065 U	1.01 J	9.04	0.222 J	0.356	0.134 U	0.173 J	0.205 J
BT013	LW2-BTLC013	0.104 U	0.069 J	0.161 U	0.069 U	0.671 J	6.04	0.181 J	0.275	0.132 U	0.107 U	0.057 J
BT014	LW2-BTLC014	0.07 U	0.083 U	0.077 U	0.086 U	0.473 J	4.27	0.133 J	0.315 U	0.167 J	0.186 U	0.138 U
BT015	LW2-BTLC015	0.092 U	0.054 J	0.166 U	0.06 U	0.536 J	5.22	0.122 U	0.539 U	0.117 J	0.13 J	0.144 J
BT016	LW2-BTLC016	0.074 J	0.067 U	0.164 U	0.083 J	0.873 J	6.59	0.21 J	0.282 U	0.134 U	0.118 J	0.086 J
BT017	LW2-BTLC017	15.4	17	0.465 U	0.546 U	5.56	28.1	2.54	45.2	2.96	9.31	2.92
BT018	LW2-BTLC018	0.085 U	0.105 U	0.102 J	0.145 J	0.569 J	5.14	0.157 U	3.95	1.99	1.45	2.07
BT019	LW2-BTLC019	0.117 J	0.074 U	0.165 U	0.081 U	1.94	15.2	0.356 J	0.23 J	0.064 J	0.17 J	0.177 U
BT020	LW2-BTLC020	0.168 J	0.071 U	0.205 U	0.091 U	1.04 J	10.7	0.194 U	0.895	0.09 U	0.199 U	0.124 U
BT021	LW2-BTLC021	0.076 J	0.096 U	0.164 U	0.061 J	0.587 J	5.57	0.149 J	0.444	0.071 U	0.135 U	0.081 J
BT022	LW2-BTLC022	0.136 J	0.234 J	0.14 J	0.205 U	3.54	25	1.06 J	0.909	0.157 J	0.286 J	0.186 U
BT023	LW2-BTLC023	0.102 J	0.071 U	0.164 U	0.07 U	0.568 J	4.82	0.139 J	0.291 U	0.134 U	0.091 J	0.076 U
BT024	LW2-BTLC024	0.154 U	0.123 U	0.081 U	0.106 U	1.44	17	0.332 U	0.722	0.106 U	0.243 J	0.103 J
BT025	LW2-BTLC025	0.118 U	0.052 U	0.052 U	0.0926 U	0.656 J	7.19	0.144 U	0.278	0.062 U	0.115 U	0.054 J
BT026	LW2-BTLC026	0.067 U	0.056 U	0.164 U	0.0942 U	0.682 J	5.67	0.154 U	0.253 U	0.051 J	0.09 J	0.084 U
BT0271	LW2-BTLC027-1	0.078 U	0.07 U	0.166 U	0.0949 U	0.382 U	3.59	0.113 J	0.271 U	0.051 J	0.095 J	0.05 J
BT0272	LW2-BTLC027-2	0.098 U	0.065 U	0.167 U	0.089 J	0.417 J	3.71	0.121 J	0.242	0.081 U	0.109 J	0.071 U
BT028	LW2-BTLC028	0.82	0.168 U	0.107 J	0.172 J	4.06	39.4	0.62 J	0.445	0.085 J	0.199 U	0.134 U
BT029	LW2-BTLC029	0.075 J	0.061 J	0.161 U	0.0924 U	1.09 U	8.38	0.124 U	0.305	0.132 U	0.125 U	0.05 U
BT030	LW2-BTLC030	0.094 U	0.074 U	0.166 U	0.063 J	0.428 J	5.66	0.092 U	0.354	0.05 U	0.111 J	0.051 U
BT031	LW2-BTLC031	0.104 U	0.065 U	0.166 U	0.0951 U	0.705 J	5.29	0.136 J	0.327	0.051 U	0.089 J	0.109 U
BT032	LW2-BTLC032	0.094 J	0.124 J	0.102 J	0.126 J	1.12 J	10.1	0.233 U	0.235	0.072 U	0.164 J	0.119 U
BT033	LW2-BTLC033	0.117 U	0.113 U	0.159 U	0.0912 U	0.526 J	5.35	0.106 U	0.345 U	0.131 U	0.079 J	0.105 U
BT001	LW2-BTLW001	0.364	0.57 J	0.277 J	0.55 J	5.06	15	1.67	2.1	0.66 J	0.896 J	0.508 J
BT002	LW2-BTLW002	0.356	0.595 J	0.305 J	0.467 J	6.86	28.6	1.75	4.98	1.18	2.73	0.777 J
BT003	LW2-BTLW003	0.213 U	0.439 J	0.21 U	0.334 J	4.13	16.6	1.21	2	1.02 J	0.888 J	0.571 J
BT004	LW2-BTLW004	0.219 J	0.483 U	0.25 J	0.349 U	4.79	13	1.37	0.935	0.421 J	0.506 J	0.413 J
BT005	LW2-BTLW005	0.334	0.686 J	0.305 U	0.538 J	13.6	405	2.5	2.27	0.919 J	1.09 J	0.761 J
BT0061	LW2-BTLW006-1	0.363	0.542 J	0.227 J	0.445 J	4.45	13.3	1.32	2.14	0.624 J	0.939 J	0.417 J
BT0062	LW2-BTLW006-2	0.351	0.65 J	0.238 J	0.438 J	4.7	13.6	1.48	2.5	0.659 J	1.08 J	0.515 J
BT007	LW2-BTLW007	0.4 U	0.792 J	0.408 J	0.8 U	29.1	174	5.24	1.35	0.553 J	0.784 J	1.02 J
BT008	LW2-BTLW008	0.82	1.38	0.638 J	1.2	37.7	220	7.71	4.16	4.5	28.9	24.4
BT009	LW2-BTLW009	0.449	0.872 J	0.467 J	0.815 J	14.2	58.2	3.65	2.35	1.73	7.12	6.36
BT010	LW2-BTLW010	0.455	0.685 J	0.352 J	0.574 J	7.72	33.8	2.38	1.56	0.738 J	0.813 J	0.659 J
BT011	LW2-BTLW011	0.333	0.53 J	0.269 J	0.48 U	6.3	23	1.65	2.01	0.989 J	0.767 J	0.62 J
BT012	LW2-BTLW012	0.96	1.92	0.884 J	2.7	21.7	69	7.58	13.1	12.4	7.07	9.01
BT013	LW2-BTLW013	0.513 U	1.01 J	0.453 J	0.839 U	8.61	25.4	3.07	1.93	0.896 J	1.08 J	0.909 J
BT014	LW2-BTLW014	0.48 J	1.07 J	0.708 J	1.3 J	10.5	24.6	3.43 J	7.96	5.4 J	3.41 J	3.72 J
BT015	LW2-BTLW015	0.535	0.851 J	0.485 J	0.906 J	7.54	19.8	2.96	9.11	5.37	3.12	2.9
BT016	LW2-BTLW016	0.512	1.84	0.66 J	1.49	15.2	76	5.43	2.04	1.05 U	1.69	1.82

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0
	Chemical Name	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**												
FC001	LW2-BTFC001	0.061 U	0.133 U	0.127 U	0.432 U	0.132 U	0.807 U	0.215 T	383	14.9	12.8	2.37 U	156
FC002	LW2-BTFC002	0.07 U	0.134 U	0.108 U	0.551 U	0.133 U	0.847 U	0.266 T	818	36.4	23.3	3.04 U	335
FC003	LW2-BTFC003	0.055 U	0.133 U	0.085 U	0.338 U	0.132 U	0.55 U	0.0983 T	78	2.84	4.94	2.18 U	36.2
FC004	LW2-BTFC004	0.053 U	0.133 U	0.092 U	0.475 U	0.132 U	0.848 U	0.219 T	169	8.31	7.18	2.62 U	68.7
FC005	LW2-BTFC005	0.057 U	0.132 U	0.133 U	0.67 U	0.053 U	1.12 U	0.297 T	486	20.1	17.2	5.06 U	197
FC0061	LW2-BTFC006 Rep 1	0.064 JT	0.114 UT	0.116 JT	0.502 JT	0.113 UT	0.746 JT	0.932 T	609 T	20.5 T	38.9 T	8.42 UT	383 T
FC007	LW2-BTFC007	0.0947 U	0.134 U	0.098 U	0.446 U	0.133 U	0.834 U	0.116 T	148	6.51	6.91	2.56 U	62.2
FC008	LW2-BTFC008	0.424 U	0.133 U	0.317 U	2.12	0.212 U	2.95	4.37 T	147	6.93	11.2	3.59 U	72
FC009	LW2-BTFC009	0.092 U	0.164 U	0.1 U	0.582 U	0.163 U	1.05 J	0.285 JT					
FC010	LW2-BTFC010	0.057 U	0.126 U	0.1 U	0.503 U	0.125 U	0.808 U	0.193 T	68	3.19	5.63	3.31 U	35.6
FC011	LW2-BTFC011	0.096 J	0.138 U	0.118 U	0.621 U	0.065 J	1.1 J	0.946 T	142	5.36	12.3	7.41 U	69.1
FC012	LW2-BTFC012	0.119 U	0.13 U	0.127 U	0.721 U	0.129 U	1.13 J	0.429 T	98.4	3.87	8.27	3.08 U	48.3
FC013	LW2-BTFC013	0.059 J	0.139 U	0.091 U	0.667 U	0.138 U	1.66 J	0.499 T	112	5.19	11.1	10.2 U	69.1
FC014	LW2-BTFC014	0.189 U	0.132 U	0.196 U	1.08 J	0.072 U	1.42 J	1.34 T	81.5	2.76	7.67	3.27 U	41.9
FC015	LW2-BTFC015	0.254 J	0.139 U	0.25 U	1.23	0.107 J	1.73 J	2.47 T	97.1	3.25	9.22	5.24 U	50
FC016	LW2-BTFC016	0.061 J	0.139 U	0.116 U	0.748 J	0.067 J	1.68 J	0.515 T	109	9.53	77.7 U	230 U	75.3
FC017	LW2-BTFC017	0.397 J	0.25 U	0.219 J	1.51 U	0.165 J	1.53 J	4.65 T	188	7.98	11.1	6.39 U	80
FC018	LW2-BTFC018	0.868 J	0.057 U	0.426 J	1.33	0.454 J	2.09 J	6.76 T	151	4.64	8.78	5.04 U	65.2
FC019	LW2-BTFC019	0.109 J	0.138 U	0.166 U	1.22	0.098 J	3.26	1.05 T	75.9	3.1	6.13	6.22 U	40.6
FC020	LW2-BTFC020	0.138 U	0.196 U	0.091 U	1.04 U	0.195 U	1.52 J	0.816 JT	141	6 U	7.96	4.79 U	60.8
FC021	LW2-BTFC021								141	4.92 U	6.95	5.1 U	61.6
FC022	LW2-BTFC022								123	4.5 U	13.9	14 U	88.6
FC024	LW2-BTFC024	0.1 U	0.142 U	0.118 U	0.739 U	0.141 U	1.17 J	0.568 JT	172	9.41 U	11.8	7.59 U	126
FC025	LW2-BTFC025								213	8.99 U	10.9	9.79 U	91.1
FC026	LW2-BTFC026	0.104 J	0.139 U	0.17 U	2.07	0.118 J	3.95	1.28 T	122	7.19	17.4	25.7 U	80.4
FC0271	LW2-BTFC027 Rep 1	0.0942 UT	0.133 UT	0.086 JT	0.432 JT	0.133 UT	0.801 JT	0.398 JT	56 JT	1.53 UT	4.76 T	3.17 UT	32 T
FC028	LW2-BTFC028	0.095 J	0.132 U	0.121 J	1.46	0.089 J	7.4	0.925 T	1270	49.8	25.3	14.7 U	333
FC029	LW2-BTFC029	0.146 U	0.14 U	0.165 U	1.98	0.128 U	4.05	1.23 T	166	5.52	26.8	20 U	88.7
FC030	LW2-BTFC030	0.065 U	0.134 U	0.088 J	0.754 J	0.133 U	1.51 J	0.608 JT	207	8.32 U	9.99	9.81 U	89.4
FC031	LW2-BTFC031	0.0904 U	0.128 U	0.095 J	0.538 J	0.127 U	0.994 J	0.468 JT	66.1	3 U	5.47	3.57	40.2
FC032	LW2-BTFC032	1.57 U	2.22 U	1.84 U	3.77 J	2.2 U	8.46 J	0.485 T	277	8.56 J	27	51.6 U	106
FC033	LW2-BTFC033	0.099 U	0.14 U	0.081 U	0.471 J	0.139 U	0.939 J	0.339 T	68.6	3.06	4.04	2.47 U	27.9
BT001	LW2-BTLC001	0.07 U	0.069 J	0.11 U	0.142 U	0.088 U	0.25 U	0.0402 T	49.2	2.02	3.18 U	1.71 U	20.1
BT002	LW2-BTLC002	0.05 J	0.069 J	0.099 U	0.18 U	0.061 U	0.45 U	0.127 T	224	8.01	5.35	2.01 U	54.5
BT003	LW2-BTLC003	0.0909 U	0.129 U	0.065 U	0.075 U	0.128 U	0.13 U	0.000238 T	19.6	0.747	1.95	0.514 U	13.1
BT004	LW2-BTLC004	0.0935 U	0.132 U	0.059 U	0.106 U	0.132 U	0.09 J	0.0299 JT	20.8	0.745	2.04	0.517 U	13.1
BT005	LW2-BTLC005	0.0932 U	0.132 U	0.063 U	0.135 U	0.131 U	0.245 U	0.0168 JT	24.4	1.08	2.3	0.697 U	14.5
BT0061	LW2-BTLC006-1	0.0899 U	0.052 U	0.082 J	0.181 U	0.127 U	0.206 J	0.0696 JT	34.5	1.06	3	1.04 U	19.2
BT0062	LW2-BTLC006-2	0.0884 U	0.125 U	0.066 J	0.12 J	0.125 U	0.253 J	0.0903 JT	37.7	1.13 U	3	0.921 U	20.2
BT007	LW2-BTLC007	0.282 U	0.145 U	0.329 J	1.74	0.184 J	2.12 J	2.65 T	75	3.46	6.8	1.58 U	42.5
BT008	LW2-BTLC008	0.0938 U	0.133 U	0.097 U	1.43	0.078 U	4.84	0.28 T	62.3	3.35 U	5.02	1.47 U	33
BT009	LW2-BTLC009	0.0934 U	0.132 U	0.085 J	0.215 J	0.131 U	0.556 J	0.118 JT	22.9	1.03	2.45 U	0.588 U	13.7
BT010	LW2-BTLC010	0.0903 U	0.128 U	0.063 U	0.147 U	0.127 U	0.122 J	0.00892 JT	28.7	1.37	2.55 U	0.938 U	14.9
BT011	LW2-BTLC011	0.0923 U	0.055 U	0.074 U	0.176 U	0.13 U	0.238 J	0.00817 JT	20.4	0.691 U	2.41	0.54 U	13.2
BT012	LW2-BTLC012	0.068 J	0.131 U	0.088 J	0.67 U	0.13 U	0.493 J	0.191 JT	29.5	0.999	3.01	1.28 U	15.4
BT013	LW2-BTLC013	0.0911 U	0.129 U	0.061 J	0.184 J	0.128 U	0.225 U	0.136 T	26.9	1.44 U	3.31	0.923 U	18.1
BT014	LW2-BTLC014	0.066 U	0.07 J	0.075 J	0.172 U	0.073 J	0.212 J	0.0421 T	27.8	1.03	2.5 U	1.84 U	16.8
BT015	LW2-BTLC015	0.0937 U	0.133 U	0.077 U	0.131 J	0.132 U	0.223 U	0.146 JT	29.9	1.23	2.58	1.11 U	17
BT016	LW2-BTLC016	0.0925 U	0.131 U	0.079 U	0.16 U	0.13 U	0.298 U	0.18 JT	23.1	0.833	2.59	6.84 U	14.8
BT017	LW2-BTLC017	0.407 J	0.14 U	0.816 J	1.13 J	0.141 U	1.53 J	42.5 T	461	23	12.6	2.17 U	145
BT018	LW2-BTLC018	0.305 U	0.105 U	0.241 J	0.465 J	0.17 J	0.601 J	1.49 JT	24.9	1.29 U	1.97	2.33 U	13.2
BT019	LW2-BTLC019	0.0934 U	0.132 U	0.075 U	0.541 U	0.132 U	0.608 J	0.285 T	31.4	1.11	2.92 U	1.45 U	17
BT020	LW2-BTLC020	0.116 U	0.164 U	0.076 J	0.227 J	0.163 U	0.419 J	0.279 T	72.6	3.99 U	7.11	1.62 U	46.9
BT021	LW2-BTLC021	0.093 U	0.132 U	0.061 J	0.162 J	0.057 J	0.229 J	0.164 T	31.5	1.48 U	3.15	1.48 U	17.2
BT022	LW2-BTLC022	0.067 U	0.06 U	0.137 J	0.525 U	0.058 J	1.01 J	0.784 JT	76.1	2.61	8.47	2.31 U	53.6
BT023	LW2-BTLC023	0.0926 U	0.131 U	0.067 J	0.18 U	0.13 U	0.262 U	0.174 JT	38.8	2.44 U	3.11 U	1.82 U	21.4
BT024	LW2-BTLC024	0.0972 U	0.138 U	0.127 J	0.324 U	0.137 U	0.789 J	0.233 JT	84.9	4.12 U	7.84	1.69 U	64.6
BT025	LW2-BTLC025	0.0914 U	0.129 U	0.107 U	0.194 J	0.129 U	0.32 U	0.0424 T	29.2	1.45 U	2.96	0.792 U	17.4
BT026	LW2-BTLC026	0.093 U	0.132 U	0.058 J	0.186 U	0.131 U	0.382 J	0.0608 T	26.5	1.11 U	2.74	1.55	18.1
BT0271	LW2-BTLC027-1	0.0936 U	0.133 U	0.084 J	0.108 U	0.132 U	0.205 U	0.0751 JT	28.5	1.45 U	2.92	1.11 U	18
BT0272	LW2-BTLC027-2	0.0945 U	0.081 J	0.075 U	0.166 U	0.061 U	0.313 U	0.112 JT	24.9	1.11 U	3.15	0.583 U	17.1
BT028	LW2-BTLC028	0.078 U	0.061 J	0.112 J	0.667 J	0.099 U	3.3	1.03 JT	497	16.3	9.67	1.46 U	95.6
BT029	LW2-BTLC029	0.0912 U	0.129 U	0.052 U	0.237 J	0.128 U	0.494 U	0.17 T	26.1	1.15 U	3.17	1.26 U	18.1
BT030	LW2-BTLC030	0.062 J	0.133 U	0.128 J	0.212 U	0.059 U	0.223 U	0.121 JT	40.3	3.88 U	3.93 J	4.26 U	23.5
BT031	LW2-BTLC031	0.0939 U	0.133 U	0.088 J	0.183 U	0.132 U	0.367 J	0.107 JT	33.1	1.73 U	3.32	0.887 U	23.3
BT032	LW2-BTLC032	0.0936 U	0.079 U	0.103 J	0.374 U	0.079 U	0.794 J	0.369 JT	47.1	2.04 U	3.94	2.71 U	20.2
BT033	LW2-BTLC033	0.09 U	0.127 U	0.069 J	0.133 U	0.127 U	0.264 J	0.0522 JT	28.6	1.23	2.88	1.64 U	15.6
BT001	LW2-BTLW001	0.236 J	0.132 U	0.251 U	1.21	0.089 U	1.64 J	2.01 JT	1300	54.9	50.7	15.6 U	513
BT002	LW2-BTLW002	0.309 J	0.133 U	0.37 U	1.38	0.079 U	1.87 J	3.32 JT	8120	366	249	46.9 U	2840
BT003	LW2-BTLW003	0.213 J	0.133 U	0.141 J	0.91 J	0.062 J	1.69 J	1.43 JT	61.1	2.14 U	5.4	6.65 U	30.8
BT004	LW2-BTLW004	0.131 U	0.133 U	0.16 U	1.02 J	0.132 U	1.35 J	0.849 JT	72.1	2.32	5.92	3.31 U	30.6
BT005	LW2-BTLW005	0.384 U	0.132 U	0.246 J	2.65	0.147 J	7.05	2.45 T	345	13.6	21	13.6 U	205
BT0061	LW2-BTLW006-1	0.205 J	0.133 U	0.219 J	1.13 U	0.132 U	1.29 J	1.95 T	727	22.6	51.3	30.1 U	457
BT0062	LW2-BTLW006-2	0.211 J	0.133 U	0.227 U	1.16	0.057 U	1.43 J	2.17 JT	892	30.4	63.6	49.8 U	564
BT007	LW2-BTLW007	0.283 J	0.132 U	0.253 J	9.63	0.266 J	30.6	2.48 JT	143	5.17	8.84	2.11 U	59.1
BT008	LW2-BTLW008	4.39	0.287 J	1.69	13.7	1.88	18.2	21.9 JT	239	11.9	17.7	5.27 U	121
BT009	LW2-BTLW009	1.14	0.103 J	0.519 J	4.02	0.313 J	4.18	6.7 JT	120	4.54 U	10	13.5 U	61
BT010	LW2-BTLW010	0.402 J	0.069 U	0.235 J	1.64	0.134 J	2.34	2.3 JT	87.4	2.76 U	8.87	5.7 U	43.3
BT011	LW2-BTLW011	0.283 J	0.13 U	0.157 J	1.32	0.055 J	2.22 J	1.87 JT	147	3.99	11.3	11.8 U	77.1
BT012	LW2-BTLW012	4.51	0.239 U	1.55	12.8	0.449 U	5.71	11.3 JT	454	9.23	24.6	25.4 U	152
BT013	LW2-BTLW013	0.474 J	0.167 U	0.297 J	2.08	0.148 U	1.96 J	2.42 JT	125	5.49	29.3	19.6 U	63.9
BT014	LW2-BTLW014	1.22 J	0.146 U	0.559 U	3.32 J	0.196 U	2.29 J	5.5 JT	103	4.25	8.01	6.7 U	47.6
BT015	LW2-BTLW015	0.875 J	0.07 U	0.425 U	1.95	0.157 U	1.96 J	5.04 JT	123	3.83	9.49	8.63 U	51.7
BT016	LW2-BTLW016	0.605 J	0.063 U	0.412 U	2.92	0.317 U	4.3	4.59 JT	118	14.9	35.4	234 U	103

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	31508-00-6	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	PCB156_157	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	PCB156 & 157	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
FC001	LW2-BTFC001	9510	271			627	12.3	2440	522	2.89 T	3.1 T
FC002	LW2-BTFC002	18900	519			1110	21	5080	951	5.52 T	5.79 T
FC003	LW2-BTFC003	2880	61.8			360	9.3	617	270	1.02 T	1.11 T
FC004	LW2-BTFC004	4660	101			500	12	1160	416	1.58 T	1.8 T
FC005	LW2-BTFC005	14100	248			1080	26.3	3370	1090	4.2 T	4.5 T
FC0061	LW2-BTFC006 Rep 1	32700 T	485 T			2270 T	46.7 T	7190 T	2360 T	9.39 T	10.3 T
FC007	LW2-BTFC007	4230	78.5			481	12.9	1010	381	1.47 T	1.58 T
FC008	LW2-BTFC008	4560	72.4			517	15.3	1270	432	1.98 T	6.36 T
FC009	LW2-BTFC009										
FC010	LW2-BTFC010	2850	54.2			389	13.3	578	306	1.09 T	1.29 T
FC011	LW2-BTFC011	5000	92.6			451	16.1	1190	432	2.13 T	3.08 T
FC012	LW2-BTFC012	3720	61.6			347	12.1	861	341	1.5 T	1.93 T
FC013	LW2-BTFC013	4290	78.7			411	48.3	1280	627	2.04 T	2.54 T
FC014	LW2-BTFC014	3110	57.7			317	11.2	747	273	1.33 T	2.67 T
FC015	LW2-BTFC015	3410	64.6			311	11.6	872	311	1.55 T	4.03 T
FC016	LW2-BTFC016	19600	326			9090	736	1450	9210	6.96 T	7.47 T
FC017	LW2-BTFC017	4740	88.5			401	14.5	1320	386	1.98 T	6.63 T
FC018	LW2-BTFC018	4160	77.8			358	12.6	1140	319	1.63 T	8.39 T
FC019	LW2-BTFC019	3570	68.8			435	13.1	733	338	1.25 T	2.31 T
FC020	LW2-BTFC020	4230	80.6			332	13.2	1080	369	1.57 JT	2.38 JT
FC021	LW2-BTFC021	3910	68.8			343	10.1	987	303	1.39 T	
FC022	LW2-BTFC022	8740	114			959	50.7	1570	992	3 T	
FC024	LW2-BTFC024	11200	192			925	14.9	2320	738	3.01 JT	3.58 JT
FC025	LW2-BTFC025	6430	112			546	17.9	1550	500	2.22 T	
FC026	LW2-BTFC026	8110	93.7			1250	92.2	1520	1390	3.48 T	4.76 T
FC0271	LW2-BTFC027 Rep 1	2360 T	41.1 T			284 T	7.84 JT	552 T	213 T	0.903 JT	1.3 JT
FC028	LW2-BTFC028	16300	313			765	34.7	4980	1050	5.52 T	6.45 T
FC029	LW2-BTFC029	7990	125			1120	60	1740	1170	4.33 T	5.56 T
FC030	LW2-BTFC030	6000	104			527	24.2	1540	558	2.12 JT	2.72 JT
FC031	LW2-BTFC031	2770	59.4			304	7.78	685	251	1.09 JT	1.56 JT
FC032	LW2-BTFC032	7490	116			949	89.8	1970	1060	4.29 T	4.77 T
FC033	LW2-BTFC033	1900	31.8			220	5.05	506	154	0.749 T	1.09 T
BT001	LW2-BTLC001	1890	43.3			192	1.35 U	388	132	0.315 T	0.355 T
BT002	LW2-BTLC002	2810	65.2			217	2.66	1020	185	1.07 T	1.2 T
BT003	LW2-BTLC003	1550	34.9			175	0.946	233	114	0.444 T	0.444 T
BT004	LW2-BTLC004	1530	33.4			172	0.918	227	111	0.449 JT	0.479 JT
BT005	LW2-BTLC005	1630	33.8			186	1.18 U	260	126	0.497 JT	0.514 JT
BT0061	LW2-BTLC006-1	2030	42.8			207	1.81	375	156	0.638 JT	0.708 JT
BT0062	LW2-BTLC006-2	1950	40.9			193	1.89	392	154	0.631 JT	0.722 JT
BT007	LW2-BTLC007	3280	68.7			264	3.49	711	245	1.24 T	3.89 T
BT008	LW2-BTLC008	3010	58			279	3.11	576	226	1.01 T	1.29 T
BT009	LW2-BTLC009	1650	35.6			175	1.01	254	120	0.265 JT	0.383 JT
BT010	LW2-BTLC010	1620	36.3			191	1.13	254	124	0.266 JT	0.274 JT
BT011	LW2-BTLC011	1570	34.1			184	0.916 U	234	114	0.492 JT	0.5 JT
BT012	LW2-BTLC012	1860	38.2			207	1.58 U	285	135	0.6 JT	0.791 JT
BT013	LW2-BTLC013	1980	39			222	2.88	303	152	0.653 T	0.789 T
BT014	LW2-BTLC014	1680	37.9			195	1.15 U	286	128	0.278 T	0.32 T
BT015	LW2-BTLC015	1750	39.7			209	1.41	307	136	0.55 JT	0.696 JT
BT016	LW2-BTLC016	1630	33.8			228	14.9	279	221	0.577 JT	0.758 JT
BT017	LW2-BTLC017	5250	116			306	4.09	1960	303	2.27 T	44.7 T
BT018	LW2-BTLC018	1470	29.6			177	1.8	241	122	0.443 JT	1.93 JT
BT019	LW2-BTLC019	1840	37.6			207	1.37	321	139	0.303 T	0.588 T
BT020	LW2-BTLC020	3940	77.6			271	3.18	825	271	1.36 T	1.64 T
BT021	LW2-BTLC021	1810	39.6			196	1.5 U	304	123	0.606 T	0.77 T
BT022	LW2-BTLC022	4750	73.9			333	6.97	964	326	1.63 JT	2.41 JT
BT023	LW2-BTLC023	2160	40.9			219	1.81	398	162	0.358 JT	0.532 JT
BT024	LW2-BTLC024	5140	90.7			310	4.9	1140	328	1.63 JT	1.86 JT
BT025	LW2-BTLC025	1810	42.7			208	1.43 U	300	135	0.592 T	0.635 T
BT026	LW2-BTLC026	1980	39.2			209	5.07	311	167	0.62 T	0.681 T
BT0271	LW2-BTLC027-1	1900	39.1			202	4.23	308	142	0.602 T	0.677 JT
BT0272	LW2-BTLC027-2	1790	36.7			192	1.38	295	131	0.606 JT	0.718 JT
BT028	LW2-BTLC028	4360	92.4			250	5.56	1560	291	1.82 JT	2.84 JT
BT029	LW2-BTLC029	2050	42.2			214	1.65	321	144	0.644 T	0.814 T
BT030	LW2-BTLC030	2260	41.9			215	3.09 U	409	162	0.763 JT	0.884 JT
BT031	LW2-BTLC031	2160	43.6			203	1.57	386	154	0.685 JT	0.792 JT
BT032	LW2-BTLC032	1980	42.4			237	13.8	357	204	0.753 JT	1.12 JT
BT033	LW2-BTLC033	1660	35.7			198	1.21	292	130	0.565 JT	0.617 JT
BT001	LW2-BTLW001	15700	482			473	71.6	6740	1360	8.45 JT	10.5 JT
BT002	LW2-BTLW002	118000	2500			2190	311	61600	6800	48.8 JT	52.2 JT
BT003	LW2-BTLW003	1500	25.6			105	33.3	543	258	0.902 JT	2.34 JT
BT004	LW2-BTLW004	1660	26			81	23.4	581	225	0.957 JT	1.81 JT
BT005	LW2-BTLW005	9320	165			551	112	3220	1480	4.27 T	6.71 T
BT0061	LW2-BTLW006-1	22000	445			1200	178	7510	3340	10.1 T	12.1 T
BT0062	LW2-BTLW006-2	27300	497			1440	202	9520	4040	12.5 JT	14.7 JT
BT007	LW2-BTLW007	2930	41			166	46.3	1030	435	1.55 JT	4.03 JT
BT008	LW2-BTLW008	5110	89.4			331	74	1810	834	2.98 JT	24.9 JT
BT009	LW2-BTLW009	3200	49.5			249	75.6	1000	597	1.78 JT	8.48 JT
BT010	LW2-BTLW010	2850	42.4			190	52.1	773	433	1.51 JT	3.81 JT
BT011	LW2-BTLW011	3510	66.4			234	60.1	1200	571	1.96 JT	3.83 JT
BT012	LW2-BTLW012	7870	120			420	110	2320	1150	4.2 JT	15.5 JT
BT013	LW2-BTLW013	4860	56.1			694	281	1170	1490	4.36 JT	6.78 JT
BT014	LW2-BTLW014	2240	41.7			139	32.6	743	359	1.32 JT	6.82 JT
BT015	LW2-BTLW015	2490	42			147	36.3	808	373	1.51 JT	6.55 JT
BT016	LW2-BTLW016	19900	317			5010	2440	1690	10700	11.4 JT	16 JT

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
BT017	LW2-BTLW017	163	196	3.48	5.24	12.2	38	19.6	447	76	111	39
BT018	LW2-BTLW018	0.56	0.814 J	0.419 J	0.652 U	7.42	42.5	1.98	88.3	50.2	26.1	25.2
BT019	LW2-BTLW019	0.366	1.16	0.619 J	1.13 J	25.7	107	6.75	1.93	2.23	3.42	2.69
BT020	LW2-BTLW020	0.364	0.567 J	0.249 J	0.431 J	5.19	24.1	1.32	3.69	1.57	1.18 J	0.827 J
BT021	LW2-BTLW021	0.616	0.767 J	0.327 J	0.532 U	6.6	35.5	1.7	3.78	1.5	1.25	0.853 J
BT022	LW2-BTLW022	0.717 U	1.19	0.597 J	1.09 J	19.8	74.3	6	2.44	1 J	1.36	0.912 J
BT023	LW2-BTLW023	0.694	1.31	0.561 J	1.07 J	9.32	21.2	3.73	5.2	0.691 J	1.08 J	0.899 J
BT024	LW2-BTLW024	0.419 U	0.726 J	0.302 U	0.528 J	6.27	26.1	1.91	2.61	0.986 J	1.2	0.707 J
BT025	LW2-BTLW025	0.488	0.562 J	0.292 J	0.514 J	6.97	36.9	1.8	1.27	0.406 J	0.64 J	0.416 J
BT026	LW2-BTLW026	0.839	1.15	0.277 J	0.499 J	9.69	43.7	1.85	2.48	0.528 J	1.42	1.1 J
BT0271	LW2-BTLW027-1	0.744 U	0.6 J	0.238 U	0.389 J	4.45	16.5	1.24	0.966	0.268 J	0.508 J	0.333 J
BT0272	LW2-BTLW027-2	0.286 U	0.441 J	0.201 J	0.311 J	3.37	10.7	1.07 J	0.652	0.213 J	0.374 J	0.257 J
BT028	LW2-BTLW028	6.63	1.24	0.555 J	1.31	26.1	199	4.72	2.51	0.763 J	1.6	0.829 J
BT029	LW2-BTLW029	0.337 U	0.764 U	0.325 U	0.534 J	6.93	30.4	1.66	1.38	0.434 J	0.917 J	0.751 J
BT030	LW2-BTLW030	0.369	0.449 J	0.198 J	0.379 J	4.44	19.7	1.18 J	0.639	0.282 J	0.443 J	0.285 J
BT031	LW2-BTLW031	0.335 U	0.461 J	0.235 J	0.455 J	3.95	13	1.34	0.894	0.227 J	0.361 U	0.266 J
BT032	LW2-BTLW032	0.721	1.45	0.576 J	1.06 J	8.8	32.8	2.48	1.48	0.459 J	1.1 J	0.663 J
BT033	LW2-BTLW033	0.278	0.591 J	0.31 J	0.481 J	5.53	25.7	1.28	0.421	0.246 J	0.432 J	0.278 J
MIT001	LW2-MIT001	0.112 J	0.15 J	0.1 J	0.153 J	2.92	18.9	0.372 J	0.629	0.286 J	0.229 U	0.288 U
MIT002	LW2-MIT002	0.061 U	0.079 J	0.09 J	0.188 J	6.59	53.2	0.417 J	0.397	0.135 J	0.182 U	0.26 J
MIT356	LW2-MIT003/005/006	0.189	0.218 J	0.167 J	0.235 J	4.64	32.2	0.586 J	11	6.71	2.69	5.2
MIT004	LW2-MIT004	0.149 U	0.166 U	0.12 U	0.197 J	4.74	30.1	0.571 J	0.263 U	0.182 J	0.25 J	0.429 J
MIT007	LW2-MIT007	0.329 U	0.672 U	0.95 U	0.429 U	23.1	122	1.63 J	0.329 U	0.779 U	0.446 J	0.625 U
MIT810	LW2-MIT008/010	0.29	0.184 J	0.182 J	0.252 U	7.44	60.3	0.651 J	0.341 U	0.11 J	0.177 J	0.192 J
MIT009	LW2-MIT009	0.163 U	0.29 U	0.346 J	0.555 U	16.2	130	1.07 J	0.296	0.127 U	0.262 U	0.282 J
T01	LW2-T01 SC											
T01	LW2-T01-NOAA SC											
T01	LW2-T01-REP1	0.296 U	0.763 J	0.283 U	0.451 J	6.1	19.4	1.2	0.364	0.124 U	0.369 J	0.217 J
T01	LW2-T01-REP2	0.276	0.813 J	0.297 J	0.423 J	5.28	17.6	1.22	0.545	0.143 J	0.343 J	0.14 J
T01	LW2-T01-REP3	0.275	0.736 J	0.306 J	0.448 J	6.36	20.8	1.28	0.333	0.124 J	0.253 J	0.122 J
T02	LW2-T02 SC											
T02	LW2-T02-NOAA SC											
T02	LW2-T02-REP1	0.457	0.619 J	0.249 J	0.492 J	11.2	8.28	6.91	4.74	2.03	1.85	0.946 J
T02	LW2-T02-REP2	0.414	0.569 J	0.19 U	0.265 J	2.39	5.24	1.09 J	4.86	1.6	1.35	0.625 J
T02	LW2-T02-REP3	0.876	2.29	0.393 J	0.414 J	3.25	7.46	2.22	4.17	1.27	1.14 J	0.518 J
T03	LW2-T03 SC											
T03	LW2-T03-REP1	0.371	0.868 J	0.34 J	0.512 J	5.78	14.7	1.66	0.371	0.137 J	0.329 J	0.133 J
T03	LW2-T03-REP2	0.252	0.657 J	0.345 J	0.491 J	6.41	15.7	1.58	0.312	0.077 J	0.271 J	0.14 J
T03	LW2-T03-REP3	0.354 U	1.06 J	0.429 J	0.759 J	7.38	18.3	2.69	0.541	0.254 J	0.606 J	0.215 J
T04	LW2-T04 SC											
T04	LW2-T04-REP1	0.153 U	0.301 J	0.082 U	0.084 J	0.726 J	2.36	0.317 U	0.21 J	0.054 U	0.137 J	0.054 U
T04	LW2-T04-REP2	0.185 U	0.365 J	0.096 J	0.149 U	0.866 J	2.45	0.344 J	0.297	0.079 J	0.155 J	0.0561 U
T04	LW2-T04-REP3	0.243	0.701 J	0.131 J	0.166 J	0.789 J	2.08 J	0.563 J	0.26	0.071 J	0.139 J	0.0537 U
02R001	LWG0102R001TSCRWBC00	0.077	0.149	0.03	0.061	0.992	8	0.155	0.875	0.153	0.191	0.066 U
02R001	LWG0102R001TSSPWBC00	0.143	0.238	0.068	0.085	1.24	3.31	0.654	1.92	0.358	0.381	0.213
03R003	LWG0103R003TSCRWBC00	0.126	0.19	0.047	0.111	3.16	21.8	0.301	0.733	0.214	0.333	0.211
03R004	LWG0103R004TSCRWBC00	0.111	0.154	0.034	0.079	2.33	17.5	0.254	0.763	0.251	0.518	0.241
03R004	LWG0103R004TSSPWBC10	0.238	0.469	0.134	0.14	1.59	4.71	0.814	1.76	0.333	0.618	0.445
03R005	LWG0103R005TSCRWBC00	0.099	0.173	0.053	0.136	2.64	13.7	0.333	1.08	0.213	0.283	0.138
03R005	LWG0103R005TSSPWBC00	0.119	0.187	0.052	0.078	1.09	3.05	0.457	1.83	0.307	0.329	0.188
03R014	LWG0103R014TSSBWBC00	0.523	0.689 J	0.136	0.056 J	0.335	0.367 U	0.662	1.8	0.316	0.772	0.115
04R023	LWG0104R023TSSBWBC10	0.66	0.864	0.162	0.064	0.323	0.451 U	0.841	2.12	0.326	1	0.203
04R023	LWG0104R023TSSBWBC20	0.515	0.901	0.158	0.07	0.559	1 U	1.13	3	0.687	3.32	0.818
04R023	LWG0104R023TSSBWBC30	0.449	0.651	0.128	0.06	1.02	3.31	0.718	2.04	0.362	1.26	0.295
05R006	LWG0105R006TSSBWBC00	0.559	0.756	0.159	0.095	0.534	0.6	1.01	3.33	0.782	1.09	0.342
06R002	LWG0106R002TSSPWBC10	0.357	1.25	0.252	0.37	6.71	40	2.41	1.92	0.563	1.03	0.685
06R002	LWG0106R002TSSPWBC20	0.446 T	1.46 T	0.308 T	0.415 T	4.24 T	11 T	2.77 T	2.76 T	0.944 T	2.52 T	0.906 T
06R004	LWG0106R004TSCRWBC10	0.159	0.232	0.044	0.096	1.44	9.96	0.257	4.02	2.34	1.14	1.01
06R004	LWG0106R004TSCRWBC20	0.252	0.181	0.029	0.096	2.91	30	0.215	3.52	1.34	0.76	0.33
06R004	LWG0106R004TSSPWBC00	0.402	0.481	0.121	0.149	1.68	4.19	0.866	20.3	6.86	3.6	2.55
06R024	LWG0106R024TSSBWBC00	0.386	0.559	0.059	0.022 J	0.138	0.454 U	0.352	0.497	0.147	0.782	0.053
06R031	LWG0106R031TSCRWBC00	0.171	0.439	0.102	0.188	8.73	57.2	1.26	1.13	0.905	1.5	2.85
07R006	LWG0107R006TSCRWBC00	0.223	0.28	0.075	0.199	3.62	21.6	0.444	79.2	36.8	18.7	23.2
07R006	LWG0107R006TSSPWBC00	0.206	0.207	0.075 U	0.134	6.3	37.9	0.78	123	86	25.3	77.1
07R009	LWG0107R009TSSBWBC10	0.77	1.46	0.236	0.156	0.814	1.38	2.34	8.2	3.2	5.55	1.45
07R009	LWG0107R009TSSBWBC20	0.713	1.46	0.398	0.244	2.58	4.38	3.71	6.23	2.06	13.5	1.84
07R009	LWG0107R009TSSBWBC30	1.49	2.96	0.452	0.342	2.13	4.44	5.55	6.78	3.31	5.45	1.74
08R003	LWG0108R003TSCRWBC00	0.176	0.388	0.131	0.199	1.76	7.72	0.717	0.722	0.341	0.433	0.249
08R003	LWG0108R003TSSPWBC00	0.168	0.3	0.086	0.102	1.4	3.15	0.929	1.42	0.241	0.356	0.28
08R010	LWG0108R010TSSBWBC10	0.917	1.88	0.31	0.154	0.772	0.736 U	2.46	1.55	0.587	1.65	0.613

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0
	Chemical Name	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**												
BT017	LW2-BTLW017	13.4	0.727 J	6.08	10.2	2.75	6.98	472 JT	5780	311	118	12.8 U	2360
BT018	LW2-BTLW018	6.95	0.46 J	1.27	5.35	1.29	5.88	29.5 JT	333	11.9	14.3	7.57 U	120
BT019	LW2-BTLW019	0.873 J	0.113 U	0.662 J	4.98	0.221 U	4.59	5.13 JT	77.7	3.4	7.84	15.5 U	46.3
BT020	LW2-BTLW020	0.346 J	0.143 U	0.187 U	1.15 J	0.079 U	1.64 J	2.35 T	169	4.67	11	3.34 U	60.3
BT021	LW2-BTLW021	0.534 J	0.132 U	0.256 U	1.59	0.147 J	2.3	2.89 JT	325	8.96	14.2	3.96 U	123
BT022	LW2-BTLW022	0.494 J	0.134 U	0.369 J	2.59	0.128 J	2.71	3.34 JT	255	6.96	28.8	11.7 U	188
BT023	LW2-BTLW023	0.465 U	0.134 U	0.407 U	2.49	0.109 U	2.16 J	3.85 JT	480	12.8	34.1	38 U	280
BT024	LW2-BTLW024	0.57 J	0.133 U	0.363 U	1.63	0.085 J	1.82 J	2.09 JT	310	14.4	21.3	8.51 U	400
BT025	LW2-BTLW025	0.437 J	0.076 J	0.205 J	1.69	0.149 J	2.41	1.98 JT	180	6.48	11	5.9 U	89.3
BT026	LW2-BTLW026	0.399 J	0.132 U	0.287 J	3.15	0.228 U	8.1	3.55 JT	239	16.5 U	35	35.8 U	144
BT0271	LW2-BTLW027-1	0.196 U	0.054 U	0.237 U	1.12 J	0.078 U	1.77 J	1.22 JT	69.9	4.7 U	9.86 U	10.5 U	45.5
BT0272	LW2-BTLW027-2	0.166 J	0.141 U	0.133 U	0.801 J	0.057 U	0.97 J	0.947 T	61.5	2.46	7.48	5.96 U	36.6
BT028	LW2-BTLW028	0.523 J	0.086 U	0.388 J	5.22	0.284 J	22	10.1 JT	13200	516	144	29.3 U	2940
BT029	LW2-BTLW029	0.324 J	0.133 U	0.478 J	1.71	0.108 U	2.4	1.08 JT	112	3.49	26.4	9.1 U	60.9
BT030	LW2-BTLW030	0.362 J	0.142 U	0.169 U	1.25	0.08 J	1.27 J	1.42 T	113	4.61	11.3 U	6.75 U	72.2
BT031	LW2-BTLW031	0.192 J	0.135 U	0.142 J	0.927 J	0.062 J	1.21 J	0.876 JT	59.6	2.65	5.93	1.58 U	35.2
BT032	LW2-BTLW032	0.448 J	0.052 U	0.411 J	2.32	0.197 J	3.8	3.57 JT	642	41 U	64.9	102 U	185
BT033	LW2-BTLW033	0.207 J	0.064 U	0.168 U	1.38	0.118 U	2.5	1.47 JT	75	3.57	5.15	4.74 U	35.3
MIT001	LW2-MIT001	0.092 J	0.0854 U	0.063 U	0.545 J	0.072 U	1.75	0.448 JT	83.9	5.14 U	4.2	0.97 U	43.9
MIT002	LW2-MIT002	0.11 U	0.0879 U	0.097 U	1.34	0.122 J	3.27	0.307 JT	51.8	2.34 U	3.08	0.678 U	32.6
MIT356	LW2-MIT003/005/006	1.24	0.108 U	0.217 U	1.72	0.535 J	3.47	4 JT	57.5	2.37 U	3.83 U	2.13 U	27.5
MIT004	LW2-MIT004	0.093 J	0.198 U	0.126 U	0.755 J	0.142 J	1.77 J	0.323 JT	20.5	1.66 U	6.55 U	15.9 U	19.4
MIT007	LW2-MIT007	0.537 U	0.761 U	0.331 U	1.65 J	0.757 U	3.29 J	0.646 JT	20	2.23 U	2.28 J	2.44 U	10.5
MIT810	LW2-MIT008/010	0.11 J	0.0489 U	0.096 U	1.36	0.078 J	3.95	0.777 JT	54.3	2.88 U	2.87	1.6 U	21.7
MIT009	LW2-MIT009	0.189 J	0.127 U	0.178 U	2.75	0.225 U	8.66	0.422 JT	57.5	2.17 U	4.54	3.95 U	21
T01	LW2-T01 SC								143	6.62 U	13.8	5.35 U	80.3
T01	LW2-T01-NOAA SC								75.6	5.01 U	5.22 U	1.94 U	33.3
T01	LW2-T01-REP1	0.124 J	0.0594 U	0.132 J	1.14 J	0.084 J	2.03 J	1.27 JT	61.9	8.55 U	16.8	49.2 U	90.5
T01	LW2-T01-REP2	0.086 J	0.0596 U	0.119 J	0.63 J	0.0596 U	1.25 J	1.61 JT	122	10.3 U	13.8	10.1 U	119
T01	LW2-T01-REP3	0.093 J	0.0535 U	0.135 J	0.652 J	0.077 J	1.63 J	1.49 JT	54.5	6.2 U	10.7	11.5 U	72.9
T02	LW2-T02 SC								211	10.3	17	1.41 U	76.7
T02	LW2-T02-NOAA SC								83.3	3.21 U	5	1.07 U	50.6
T02	LW2-T02-REP1	0.346 J	0.055 U	0.218 J	0.755 J	0.07 J	0.602 J	3.61 JT	118	11.8 U	14.4	7.14 U	110
T02	LW2-T02-REP2	0.19 J	0.0565 U	0.112 J	0.288 J	0.0565 U	0.432 J	2.48 JT	112	12.9 U	35.3	9.93 U	114
T02	LW2-T02-REP3	0.179 J	0.0597 U	0.101 U	0.377 J	0.0597 U	0.703 J	4.63 JT	127	12 U	14.9	8.35 U	120
T03	LW2-T03 SC								115	4.9 U	11.6	8.85 U	43.9
T03	LW2-T03-REP1	0.112 J	0.0565 U	0.161 J	0.651 J	0.0565 U	0.941 J	1.81 JT	74.3	8.48 U	20.2	28.6 U	78.2
T03	LW2-T03-REP2	0.111 J	0.0551 U	0.166 J	0.759 J	0.075 U	1.57 J	1.44 JT	53.9	5.18 U	11.9	17.9 U	49.6
T03	LW2-T03-REP3	0.165 J	0.0577 U	0.211 J	0.721 J	0.063 J	1 J	1.96 JT	96.9	10.8 U	19.6	17.7 U	108
T04	LW2-T04 SC								17.4	0.712 U	2.84	0.316 U	14.7
T04	LW2-T04-REP1	0.054 U	0.054 U	0.071 J	0.14 J	0.054 U	0.245 J	0.415 JT	13.2	1.43 U	3.12	1.49 U	18.6
T04	LW2-T04-REP2	0.0561 U	0.0561 U	0.08 J	0.147 U	0.0561 U	0.243 J	0.537 JT	20.4	1.97 U	4.02	2.33 U	33.8
T04	LW2-T04-REP3	0.0537 U	0.0537 U	0.071 J	0.138 U	0.0537 U	0.203 J	1.14 JT	18.1	2.24 U	4.54	1.79 U	25.6
02R001	LWG0102R001TSCRWBC00	0.038 U	0.011 U	0.034	0.19 U	0.016 U	0.865	0.455 T	945	42.9	25.9	0.722 U	387
02R001	LWG0102R001TSSPWBC00	0.07	0.011 U	0.04 J	0.144	0.02	0.115	0.909 JT	1700	58	177	1.87	4890
03R003	LWG0103R003TSCRWBC00	0.073 U	0.011 U	0.039 J	0.484	0.026	1.2	0.676 JT	139	8.25	9.7	0.819	113
03R004	LWG0103R004TSCRWBC00	0.077 U	0.011 U	0.033 J	0.493	0.029	1.19	0.707 JT	209	10.1	9.07	0.722 U	101
03R004	LWG0103R004TSSPWBC10	0.218	0.016 J	0.127	0.815	0.095	0.491	1.42 JT	1390 T	50.8 T	64.1 T	1.56 T	1210 T
03R005	LWG0103R005TSCRWBC00	0.084	0.011 U	0.061	0.507	0.028 J	0.759	0.646 JT	185	8.34	22.3	1.54	180
03R005	LWG0103R005TSSPWBC00	0.072	0.011 U	0.047	0.203	0.024	0.16	0.772 T	258	6.82	58.2	2.33	774
03R014	LWG0103R014TSSBWBC00	0.057	0.011 U	0.044 J	0.077 U	0.019 J	0.095 U	1.9 JT	1270	56.7	103	3.19	1550
04R023	LWG0104R023TSSBWBC10	0.1	0.011 U	0.059	0.138	0.025 J	0.15 U	2.4 JT	781	37.6	95.9	4.44	1240
04R023	LWG0104R023TSSBWBC20	0.165	0.011 U	0.082	0.136	0.02	0.13 U	3.66 T	400	19.5	51.2	2.6	612
04R023	LWG0104R023TSSBWBC30	0.069	0.011 U	0.049	0.224	0.016 U	0.148 U	2.1 T	553	39.1	59.6	2.37	873
05R006	LWG0105R006TSSBWBC00	0.113	0.011 U	0.058	0.085 J	0.016 U	0.046 U	2.42 JT	311 T	15.1 T	48.5 T	2.54 T	666 T
06R002	LWG0106R002TSSPWBC10	0.259	0.041 U	0.175	1.01	0.077	1.21	2.84 T	85.3	10	22.1	1.78	133
06R002	LWG0106R002TSSPWBC20	0.974 T	0.025 UT	0.611 T	0.634 T	0.136 T	0.458 T	4.14 T	106	3.94	44.1	6.39	246
06R004	LWG0106R004TSCRWBC10	0.388	0.015	0.08	0.293	0.044	0.377	1.69 T	46	2.06	2.75	0.736 U	36.6
06R004	LWG0106R004TSCRWBC20	0.112	0.011 U	0.042	0.361	0.044 J	0.89	1.35 JT	37.4	1.54	1.84	0.729 U	33.9
06R004	LWG0106R004TSSPWBC00	0.581	0.026	0.141 J	0.308	0.075 J	0.17	5.52 JT	171	5.92	23.6	1.25	304
06R024	LWG0106R024TSSBWBC00	0.027 J	0.011 U	0.021	0.039 J	0.016 U	0.057 U	1.45 JT	174 T	11 T	43.1 T	2.8 T	355 T
06R031	LWG0106R031TSCRWBC00	0.627	0.059	0.265	1.67	0.117	1.79	2.16 T	25.4	1.76	3.12	0.729 U	35.8
07R006	LWG0107R006TSCRWBC00	4.72	0.339	0.79	4.71	2.15	6.08	22.7 T	207	8.54	6.15	0.722 U	87.7
07R006	LWG0107R006TSSPWBC00	9.01	0.444	0.84	2.56	1.6	1.56	38.6 T	137	5.93	63.9	2.25	1730
07R009	LWG0107R009TSSBWBC10	0.668	0.018	0.27	0.273	0.078	0.173	6.51 T	270	12.8	41.5	3.24	490
07R009	LWG0107R009TSSBWBC20	0.531	0.02 J	0.221	0.393	0.058 J	0.258	10.4 JT	177	13.7	49.4	3.13	681
07R009	LWG0107R009TSSBWBC30	0.478	0.022	0.216	0.339	0.041	0.241	8.92 T	246	13.8	40.8	2.65	505
08R003	LWG0108R003TSCRWBC00	0.192	0.011 U	0.107	0.301	0.026	0.307 U	1.05 T	55.7	2.32	5.85	0.722 U	48.9
08R003	LWG0108R003TSSPWBC00	0.091	0.011 U	0.052	0.222	0.029 J	0.143	0.971 JT	81.7	2.49	27.6	2.1	266
08R010	LWG0108R010TSSBWBC10	0.147	0.011 U	0.103	0.175	0.023	0.115 U	4.19 T	230	23.3	101	6.52	583

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	31508-00-6	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	PCB156_157	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	PCB156 & 157	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
BT017	LW2-BTLW017	44300	1470			536	98.7	24700	1710	21.5 JT	494 JT
BT018	LW2-BTLW018	5040	82.2			305	84.3	1750	767	2.61 JT	32.1 JT
BT019	LW2-BTLW019	2260	40.2			171	51.7	746	399	1.33 JT	6.46 JT
BT020	LW2-BTLW020	2880	49.2			150	30.5	992	368	1.73 T	4.08 T
BT021	LW2-BTLW021	5010	94.9			238	59.2	1700	620	2.51 JT	5.4 JT
BT022	LW2-BTLW022	15300	155			813	196	3050	2060	5.91 JT	9.25 JT
BT023	LW2-BTLW023	22400	223			699	92.7	4940	2130	7.44 JT	11.3 JT
BT024	LW2-BTLW024	26000	335			1060	159	6830	2990	7.2 JT	9.29 JT
BT025	LW2-BTLW025	5080	66.5			286	68.5	1430	700	2.18 JT	4.16 JT
BT026	LW2-BTLW026	12500	136			1140	350	2670	2670	6.51 JT	10.1 JT
BT0271	LW2-BTLW027-1	2540	39.4 U			204	66.4	745	474	0.604 JT	1.82 JT
BT0272	LW2-BTLW027-2	2020	28.8			184	59.4	613	402	1.25 T	2.19 T
BT028	LW2-BTLW028	93200	1750			2010	261	38000	6550	33.9 JT	44 JT
BT029	LW2-BTLW029	4230	62.3			437	111	1250	975	3.74 JT	4.82 JT
BT030	LW2-BTLW030	4820	72.3			420	50.6	1270	655	1 T	2.42 T
BT031	LW2-BTLW031	1940	31.2			139	36.7	580	328	1.94 JT	1.92 JT
BT032	LW2-BTLW032	11100	183			1960	737	3140	3010	9.69 JT	13.3 JT
BT033	LW2-BTLW033	1630	31.2			129	32.9	547	306	0.919 JT	2.39 JT
MIT001	LW2-MIT001	1540	41.1			92.4	16.1	662	238	0.796 JT	1.24 JT
MIT002	LW2-MIT002	1790	28.1			102	12.6	603	263	0.705 JT	1.01 JT
MIT356	LW2-MIT003/005/006	1160	24.5			94.7	19	431	224	0.296 JT	4.3 JT
MIT004	LW2-MIT004	2490	32.2			1050	481	290	2250	1.48 JT	1.8 JT
MIT007	LW2-MIT007	800	11.7 U			80.9	18.7 U	207	176	0.425 JT	1.07 JT
MIT810	LW2-MIT008/010	960	17.7			70.5	13.5	352	171	0.524 JT	1.3 JT
MIT009	LW2-MIT009	1120	15.4			145	53.3	359	299	0.776 JT	1.2 JT
T01	LW2-T01 SC	3610	60.4			329	110	1230	715	2.3 T	
T01	LW2-T01-NOAA SC	1630	37.5			140	41.1	550	279	0.391 T	
T01	LW2-T01-REP1	4440	75.4			684	360	1310	1690	3.2 JT	4.47 JT
T01	LW2-T01-REP2	4060	86			252	68.9	1610	608	2.34 JT	3.95 JT
T01	LW2-T01-REP3	3100	61.7			232	71.1	1060	553	1.82 JT	3.31 JT
T02	LW2-T02 SC	2520	64.7			134	36.3	1160	306	2.29 T	
T02	LW2-T02-NOAA SC	1730	41.5			76.2	21.3	762	199	0.889 T	
T02	LW2-T02-REP1	3660	82.8			224	66.2	1590	517	2.31 JT	5.92 JT
T02	LW2-T02-REP2	3810	88.4			315	72.6	1660	749	4.54 JT	7.02 JT
T02	LW2-T02-REP3	4490	83.3			254	67.1	1860	656	2.54 JT	7.17 JT
T03	LW2-T03 SC	2220	43.9			418	157	744	504	1.77 T	
T03	LW2-T03-REP1	4460	78.4			622	269	1350	1030	3.2 JT	5.01 JT
T03	LW2-T03-REP2	2500	42.5			314	147	780	564	1.85 JT	3.29 JT
T03	LW2-T03-REP3	5880	102			526	181	1930	1070	3.37 JT	5.33 JT
T04	LW2-T04 SC	631	12.9			36.2	6.74	224	83.8	0.423 T	
T04	LW2-T04-REP1	833	17.2			46.1	8.98	297	111	0.494 JT	0.909 JT
T04	LW2-T04-REP2	1430	27.8			77.2	15.2	503	196	0.717 JT	1.25 JT
T04	LW2-T04-REP3	1080	20.3			57.9	11.2	384	147	0.692 JT	1.84 JT
02R001	LWG0102R001TSCRWBC00	9630	315	706	121	322	40.4	2520		4.55 T	5.01 T
02R001	LWG0102R001TSSPWBC00	129000	2760	7200	1490	2380	325	57700		43.7 T	44.6 JT
03R003	LWG0103R003TSCRWBC00	3620	89.1	730	88.1	376	124	681		1.91 T	2.59 JT
03R004	LWG0103R004TSCRWBC00	3090	83.5	522	84.8	230	30.8	588		1.66 T	2.37 JT
03R004	LWG0103R004TSSPWBC10	40300 T	689 T	4130 T	890 T	1670 T	211 T	15300 T		15.4 T	16.8 JT
03R005	LWG0103R005TSCRWBC00	7820	179	1790	258	1050	405	1860		4.42 T	5.06 JT
03R005	LWG0103R005TSSPWBC00	36500	520	3990	945	1960	426	13100		13.8 T	14.6 T
03R014	LWG0103R014TSSBWBC00	51100	1090	4470	899	1910	369	20000		21.2 T	23.1 JT
04R023	LWG0104R023TSSBWBC10	51800	839	6030	1220	2640	567	18500		21.2 T	23.6 JT
04R023	LWG0104R023TSSBWBC20	22000	416	3160	577	1220	315	8520		10.5 T	14.2 T
04R023	LWG0104R023TSSBWBC30	27500	521	2920	558	1130	220	11300		12.2 T	14.3 T
05R006	LWG0105R006TSSBWBC00	23300 T	428 T	3250 T	638 T	1240 T	271 T	8940 T		10.5 T	12.9 JT
06R002	LWG0106R002TSSPWBC10	7210	84.2	2800	236	1140	623	1920		4.82 T	7.66 T
06R002	LWG0106R002TSSPWBC20	19000	193	15300	787	4800	3970	3370		15.4 T	19.5 T
06R004	LWG0106R004TSCRWBC10	1360	28.1	207	33.4	126	22.3	298		0.59 T	2.28 T
06R004	LWG0106R004TSCRWBC20	1140	27.2	278	29.7	161	50.4	57.5		0.488 T	1.84 JT
06R004	LWG0106R004TSSPWBC00	10700	159	1620	286	524	193	3790		4.98 T	10.5 JT
06R024	LWG0106R024TSSBWBC00	14000 T	268 T	2510 T	425 T	1140 T	316 T	4460 T		7.92 T	9.37 JT
06R031	LWG0106R031TSCRWBC00	1020	25	274	26.9	153	47.3	174		0.611 T	2.78 T
07R006	LWG0107R006TSCRWBC00	2270	64.9	310	40.5	161	49.4	381		1.13 T	23.8 T
07R006	LWG0107R006TSSPWBC00	42500	610	2750	521	710	263	21800		15.5 T	54.1 T
07R009	LWG0107R009TSSBWBC10	18600	227	4400	534	1640	694	6160		9.51 T	16 T
07R009	LWG0107R009TSSBWBC20	21700	389	3820	528	1580	597	8130		10.6 T	21 JT
07R009	LWG0107R009TSSBWBC30	20300	299	3400	544	1350	396	6290		9.1 T	18 T
08R003	LWG0108R003TSCRWBC00	1620	31.3	458	49.9	256	95.1	256		1.07 T	2.12 T
08R003	LWG0108R003TSSPWBC00	12400	152	2630	356	1090	416	3390		6.06 T	7.03 JT
08R010	LWG0108R010TSSBWBC10	60500	388	29200	2000	11800	7020	9420		33.9 T	38.1 T

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	1746-01-6	40321-76-4	39227-28-6	19408-74-3	35822-46-9	3268-87-9	57653-85-7	51207-31-9	57117-41-6	57117-31-4	70648-26-9
	Chemical Name	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Octachlorodibenzo-p-dioxin	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2,3,7,8-Tetrachloro dibenzofuran	1,2,3,7,8-Pentachloro dibenzofuran	2,3,4,7,8-Pentachloro dibenzofuran	1,2,3,4,7,8-Hexachloro dibenzofuran
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**											
08R010	LWG0108R010TSSBWBC20	0.592	1.23	0.298	0.162	1.26	0.981 U	1.98	2.36	1.07	1.96	0.543
08R010	LWG0108R010TSSBWBC30	0.716	1.44	0.291	0.12	0.848	1.91	1.8	2.02	0.514	1.44	0.34
08R032	LWG0108R032TSSBWBC00	0.771	1.08	0.179	0.076	0.291	0.404	1.1	1.9	0.658	1.41	0.27
09R002	LWG0109R002TSCRWBC00	0.228	0.225	0.1	0.22	4.17	28.4	0.461	0.551	0.13	0.236	0.139
09R002	LWG0109R002TSSPWBC00	0.256	0.694	0.302	0.305	3.97	13.7	1.62	1.37	0.27	0.488	0.282
09R006	LWG0109R006TSSBWBC00	1.07	1.15	0.22	0.113	0.883	0.897 U	1.4	1.79	0.47	1.06	0.286
20R001	LWG0120R001TSSBWBC10	2.11	0.551	0.206	0.174	0.504	0.474 U	0.944	0.266	0.088	0.218	0.071
20R001	LWG0120R001TSSBWBC20	0.169	0.413	0.138	0.105	0.572	0.632	0.893	0.186	0.063	0.235	0.048
20R001	LWG0120R001TSSBWBC10	0.449	1.08	0.132	0.094 J	0.473	0.409	2.18	0.9	0.361	1.78	0.16
20R001	LWG0120R001TSSBWBC20	0.443	0.764	0.15	0.089	0.339	2.43	0.944	1.63	0.278	0.518	0.135
20R001	LWG0120R001TSSBWBC30	0.506	0.704	0.1	0.044 J	0.164	0.17	0.488	1.25	0.2	0.453	0.077
28R001	LWG0128R001TSSBWBC00	0.143	0.188	0.069	0.048 J	0.259	0.273	0.343	0.259	0.035	0.118	0.032
28R001	LWG0128R001TSSBWBC10	0.396	0.53	0.11	0.065	0.259	0.233	0.522	0.822	0.1	0.306	0.056 J
28R001	LWG0128R001TSSBWBC20	0.353	0.423	0.066 J	0.043	0.227	0.199	0.382	0.61	0.087	0.296	0.054
28R001	LWG0128R001TSSBWBC30	0.316	0.377	0.057 J	0.036	0.198	0.212	0.253	0.702	0.13	0.298	0.043
FZ0306	LWG01FZ0306TSBBWBC10	0.253	0.54	0.296	0.178	1.69	1.61	1.54	0.698	0.362	0.58	0.245
FZ0306	LWG01FZ0306TSBBWBC20	0.343	0.679	0.252	0.187	2.05	2.05	1.51	0.344	0.29	0.64	0.263
FZ0306	LWG01FZ0306TSBBWBC30	0.255	0.546	0.236	0.167	1.21	3.36	1.05	0.715	0.322	0.695	0.215
FZ0306	LWG01FZ0306TSBCWBC10	0.322	0.458	0.129 J	0.089	0.447	0.364 U	0.635	1.3	0.269	0.239	0.119
FZ0306	LWG01FZ0306TSBCWBC20	0.354	0.518	0.172	0.111	0.589	0.468 U	0.841	1.45	0.37	0.279	0.15
FZ0306	LWG01FZ0306TSCPWBC10	0.457	0.695	0.419	0.268	5.06	10.2	2.01	1.64	0.414	0.881	0.32
FZ0306	LWG01FZ0306TSCPWBC20	0.751	1.75	1.2	0.649	11.7	19.7	5.65	2.28	1.02	12.7	8.17
FZ0306	LWG01FZ0306TSCPWBC30	0.586	0.945	0.581	0.261	4.47	8.04	2.42	1.77	0.435	0.764	0.403
FZ0609	LWG01FZ0609TSBBWBC10	0.409	0.756	0.282	0.313	1.9	2.8	2.19	0.407	0.296	1.53	0.966
FZ0609	LWG01FZ0609TSBBWBC20	0.346	0.582	0.224	0.216	2.27	2.62	1.44	0.693	0.477	0.831	0.344
FZ0609	LWG01FZ0609TSBBWBC30	0.522	0.661	0.246	0.22	2.52	3.89	1.46	0.532	0.302	0.657	0.271
FZ0609	LWG01FZ0609TSBCWBC10	0.281	0.426	0.115	0.081	1.33	1.21	1.37	1.29	0.352	0.32	0.186
FZ0609	LWG01FZ0609TSBCWBC20	0.36	0.485	0.127	0.08	0.65	0.556 U	0.693	1.48	0.276	0.261	0.164
FZ0609	LWG01FZ0609TSCPWBC10	0.741	1.33	1.04	0.621	12.3	31.1	4.55	1.62	0.581	1.3	0.876
FZ0609	LWG01FZ0609TSCPWBC20	1.07	2.08	1.51	0.772	15	18.7	6.66	2.34	1.05	1.91	1.13
FZ0609	LWG01FZ0609TSCPWBC30	0.519	1.23	0.78	0.412	11.7	36.7	3.53	1.68	0.928	1.37	0.839
WR-PG-Ref03	WLCDRD050184G											
WR-PG-Ref03	WLCDRD050187G											
WR-VC-11	WLCDRD05WRVC011Clam											
WR-VC-11	WLCDRD05WRVC011Worm											
WR-VC-28	WLCDRD05WRVC028Clam											
WR-VC-28	WLCDRD05WRVC028Worm											
WR-VC-29	WLCDRD05WRVC029Clam											
WR-VC-29	WLCDRD05WRVC029Worm											
WR-VC-43	WLCDRD05WRVC043Clam											
WR-VC-43	WLCDRD05WRVC043Worm											
WR-VC-46	WLCDRD05WRVC046Clam											
WR-VC-46	WLCDRD05WRVC046Worm											
WR-VC-57	WLCDRD05WRVC057Clam											
WR-VC-57	WLCDRD05WRVC057Worm											
WR-VC-66	WLCDRD05WRVC066Clam											
WR-VC-66	WLCDRD05WRVC066Worm											
WR-VC-72	WLCDRD05WRVC072Clam											
WR-VC-72	WLCDRD05WRVC072Worm											
WR-VC-108	WLCDRD05WRVC108Clam											
WR-VC-108	WLCDRD05WRVC108Worm											
WR-VC-118	WLCDRD05WRVC118Clam											
WR-VC-118	WLCDRD05WRVC118Worm											
Clackamas Fish Hatcher	WLTASE03CFH03254200	0.038 U	0.057	0.02 U	0.02 U	0.085 U	0.02 U	0.065	0.743	0.037	0.105	0.02 U
Clackamas Fish Hatcher	WLTASE03CFH03254201	0.028 UT	0.051 T	0.02 UT	0.02 UT	0.054 T	0.27 T	0.0505 T	0.673 T	0.0335 T	0.095 T	0.02 UT
Clackamas Fish Hatcher	WLTASE03CFH03254202	0.032 T	0.042 T	0.02 UT	0.019 UT	0.093 T	0.208 T	0.039 T	0.417 T	0.033 T	0.071 T	0.019 UT
Clackamas Fish Hatcher	WLTASE03CFH03254210	0.035 U	0.055	0.019 U	0.019 U	0.06 U	0.209 U	0.059	0.635	0.026 U	0.084	0.019 U
Clackamas Fish Hatcher	WLTASE03CFH03254211	0.031	0.047	0.019 U	0.019	0.06 U	0.212 U	0.043 U	0.551	0.026	0.071	0.019 U
Clackamas Fish Hatcher	WLTASE03CFH03254212	0.027 U	0.03 U	0.02 U	0.02 U	0.076 U	0.225 U	0.036	0.32	0.021	0.048	0.02 U
Clackamas Fish Hatcher	WLTASE03CFH03254220	0.047	0.059	0.02 U	0.02 U	0.107	0.215	0.06 U	0.699	0.038 U	0.097	0.02 U
Clackamas Fish Hatcher	WLTASE03CFH03254221	0.051	0.08	0.019 U	0.023 U	0.095 U	0.262 U	0.076	0.814	0.045	0.121	0.019 U
Clackamas Fish Hatcher	WLTASE03CFH03254222	0.04 U	0.053 U	0.02	0.022	0.111 U	0.247 U	0.054	0.621	0.049	0.091	0.02 U
Clackamas Fish Hatcher	WLTASE03CFH03254223	0.041 T	0.0595 T	0.023 T	0.02 UT	0.096 UT	0.202 UJT	0.055 T	0.796 T	0.044 T	0.107 UT	0.02 UT
RM 3.5-9.2	WLTASE03ISA03334750	0.084 T	0.0615 T	0.033 UT	0.04 T	0.623 T	1.28 JT	0.179 T	0.844 T	0.0975 T	0.128 UT	0.0635 T
RM 3.5-9.2	WLTASE03ISA03334751	0.06	0.044 U	0.02 U	0.021	0.202	0.304	0.073	0.584	0.116	0.083 U	0.036 U
RM 3.5-9.2	WLTASE03ISA03354100	0.182	0.106	0.068	0.048	0.571	1.11	0.351	1.02	0.151	0.182	0.096 U
RM 3.5-9.2	WLTASE03ISA03354101	0.234	0.368	0.315	0.187	5.39	8.08	3.28	0.646	0.37	0.477	0.393
RM 3.5-9.2	WLTASE03ISA03354102	0.134	0.128	0.074	0.09	0.864	1.33	0.415	1.08	0.226	0.273	0.195
Willamette Falls	WLTASE03WF03214300	0.041 U	0.057	0.027 U	0.033	0.284	0.496	0.122	0.956	0.145	0.103	0.074
Willamette Falls	WLTASE03WF03214301	0.041	0.054 U	0.037 U	0.036	0.357	0.5	0.147	1.09	0.17	0.127	0.111
Willamette Falls	WLTASE03WF03214302	0.049	0.07	0.033	0.05	0.421	0.731	0.163	1.04	0.137	0.115	0.068
Willamette Falls	WLTASE03WF03214303	0.052	0.062	0.03 U	0.04 U	0.368	0.618	0.131	1.03	0.13	0.126	0.073

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	57117-44-9	72918-21-9	60851-34-5	67562-39-4	55673-89-7	39001-02-0	TEQ_DIOXIN	32598-13-3	70362-50-4	57465-28-8	32774-16-6	74472-37-0
	Chemical Name	1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,7,8,9-Hexachloro dibenzofuran	2,3,4,6,7,8-Hexachloro dibenzofuran	1,2,3,4,6,7,8-Heptachloro dibenzofuran	1,2,3,4,7,8,9-Heptachloro dibenzofuran	Octachloro dibenzofuran	Dioxin/furan TCDD toxicity equivalent	PCB077	PCB081	PCB126	PCB169	PCB114
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**												
08R010	LWG0108R010TSSBWBC20	0.162	0.011 U	0.094	0.133	0.017 J	0.074 U	3.43 JT	188	10.7	63.6	5.46	339
08R010	LWG0108R010TSSBWBC30	0.115	0.011 U	0.07	0.134	0.016	0.104	3.39 T	269	14.3	71.3	6.16	406
08R032	LWG0108R032TSSBWBC00	0.111	0.011 U	0.064	0.127	0.023	0.111	2.96 T	308	14.3	55.1	3.61	586
09R002	LWG0109R002TSCRWBC00	0.099	0.011 U	0.051	0.525	0.037	1.31	0.79 T	103	4.12	7.22	1.67	56.9
09R002	LWG0109R002TSSPWBC00	0.118	0.041 U	0.095	0.393	0.06 U	0.554	1.66 T	197	9.86	59.3	4.5	700
09R006	LWG0109R006TSSBWBC00	0.144	0.011 U	0.087	0.149	0.017 J	0.1 U	3.19 JT	618	56.9	98.3	3.36	1140
20R001	LWG0120R001TSBEWBC10	0.05 J	0.011 U	0.047	0.172	0.016 J	0.046 U	2.95 JT	14.4 U	1.99	5.96	0.885	46.2
20R001	LWG0120R001TSBEWBC20	0.044	0.011 U	0.043	0.107 J	0.016 U	0.046 U	0.855 JT	13.6 U	3	10	1.18	111
20R001	LWG0120R001TSSBWBC10	0.092	0.011 J	0.102	0.137	0.016 U	0.063	2.81 JT	89	4.31	19.3	1.7	280
20R001	LWG0120R001TSSBWBC20	0.075	0.011 U	0.059	0.086	0.016 U	0.053	1.79 T	156	6.95	35.2	3.33	619
20R001	LWG0120R001TSSBWBC30	0.042	0.011 U	0.031	0.046	0.016 U	0.046 U	1.65 JT	211	11.6	46.2	3.02	361
28R001	LWG0128R001TSBEWBC00	0.021	0.011 U	0.028	0.067	0.016 U	0.045 U	0.475 JT	13.7 UT	1.66 T	4.18 T	0.772 UT	33.8 T
28R001	LWG0128R001TSSBWBC10	0.045	0.011 U	0.05	0.146	0.016 U	0.071	1.26 JT	79.8 T	5.4 T	19 T	1.74 T	169 T
28R001	LWG0128R001TSSBWBC20	0.036 J	0.011 U	0.045	0.149 J	0.016 U	0.077	1.06 JT	65.2	4.4	19.7	1.66	166
28R001	LWG0128R001TSSBWBC30	0.029	0.011 U	0.031	0.134	0.016 U	0.058	0.967 JT	60.7	4.18	14.8	1.24	115
FZ0306	LWG01FZ0306TSBEWBC10	0.128	0.013	0.083	0.229	0.016 U	0.112	1.44 T	24.9	8.36	13.9	1.43	76.2
FZ0306	LWG01FZ0306TSBEWBC20	0.136	0.015 U	0.104	0.288	0.031	0.181 U	1.66 T	28.2	10.8	22.4	1.43	214
FZ0306	LWG01FZ0306TSBEWBC30	0.108	0.014	0.065 J	0.141	0.016 U	0.046 U	1.44 JT	64.3	11.7	40	2.86	362
FZ0306	LWG01FZ0306TSBCWBC10	0.079	0.011 U	0.028 J	0.093	0.016 U	0.046 U	1.16 JT	181	8.81	17.7	1.05	130
FZ0306	LWG01FZ0306TSBCWBC20	0.09	0.022 J	0.053	0.207	0.023 J	0.128 U	1.33 JT	162	7.82	13.9	0.94	133
FZ0306	LWG01FZ0306TSCPWBC10	0.165	0.012	0.123	0.537	0.044	0.262	2.17 T	309	22.1	45.4	3.19	379
FZ0306	LWG01FZ0306TSCPWBC20	1.96	0.057	0.48	1.51	0.179	0.636	11.1 T	311	21	112	15.3	909
FZ0306	LWG01FZ0306TSCPWBC30	0.173	0.012 U	0.097	0.539	0.042	0.266	2.56 T	198	12.5	26.8	3.18	260
FZ0609	LWG01FZ0609TSBEWBC10	0.286	0.017	0.148	0.274	0.021 J	0.121 U	2.43 JT	32.4	13.3	42.1	4.45	245
FZ0609	LWG01FZ0609TSBEWBC20	0.124	0.011	0.077	0.21	0.016 U	0.05 U	1.71 T	46.9	9.62	19.5	1.41	172
FZ0609	LWG01FZ0609TSBEWBC30	0.13	0.018 U	0.08 J	0.267	0.027	0.163 U	1.85 JT	86.7	20.2	24.4	2.01	229
FZ0609	LWG01FZ0609TSBCWBC10	0.074	0.011 U	0.049	0.148	0.016 U	0.093 U	1.22 T	168	13	13.1	0.818 J	157
FZ0609	LWG01FZ0609TSBCWBC20	0.084	0.011 U	0.039	0.094	0.016 U	0.085 U	1.26 T	685	36	25.3	0.926 U	359
FZ0609	LWG01FZ0609TSCPWBC10	0.415	0.029	0.421	3.14	0.294 J	0.711	3.87 JT	170	10.1	33.2	4.25	218
FZ0609	LWG01FZ0609TSCPWBC20	0.587	0.033	0.327	1.48	0.108	0.448	5.66 T	303	21	56.5	5.42	384
FZ0609	LWG01FZ0609TSCPWBC30	0.335	0.018 U	0.191	1	0.085	0.456	3.39 T	192	11	40.9	4.43	300
WR-PG-Ref03	WLCDRD050184G								110 U	170 U	120 U	360 U	90 U
WR-PG-Ref03	WLCDRD050187G								110 U	170 U	120 U	360 U	90 U
WR-VC-11	WLCDRD05WRVC011Clam								500 U	170 U	120 U	360 U	90 U
WR-VC-11	WLCDRD05WRVC011Worm								500 U	6700 U	120 U	360 U	140 J
WR-VC-28	WLCDRD05WRVC028Clam								500 U	1100 U	120 U	360 U	90 U
WR-VC-28	WLCDRD05WRVC028Worm								720 U	13000 U	180 U	520 U	130 U
WR-VC-29	WLCDRD05WRVC029Clam								500 U	1200 U	120 U	360 U	90 U
WR-VC-29	WLCDRD05WRVC029Worm								720 U	4200 U	180 U	520 U	130 U
WR-VC-43	WLCDRD05WRVC043Clam								500 U	1200 U	120 U	360 U	90 U
WR-VC-43	WLCDRD05WRVC043Worm								500 U	4200 U	120 U	360 U	90 U
WR-VC-46	WLCDRD05WRVC046Clam								820 U	1400 U	120 U	360 U	90 U
WR-VC-46	WLCDRD05WRVC046Worm								840 U	8100 U	200 U	600 U	150 U
WR-VC-57	WLCDRD05WRVC057Clam								500 U	1300 U	120 U	360 U	90 U
WR-VC-57	WLCDRD05WRVC057Worm								500 U	940 U	120 U	360 U	150 J
WR-VC-66	WLCDRD05WRVC066Clam								500 U	170 U	120 U	360 U	90 U
WR-VC-66	WLCDRD05WRVC066Worm								500 U	9500 U	120 U	360 U	90 U
WR-VC-72	WLCDRD05WRVC072Clam								500 U	1100 U	120 U	360 U	90 U
WR-VC-72	WLCDRD05WRVC072Worm								500 U	170 U	280 U	360 U	510 NJ
WR-VC-108	WLCDRD05WRVC108Clam								500 U	1700 U	120 U	360 U	90 U
WR-VC-108	WLCDRD05WRVC108Worm								1600 U	32000 U	480 U	1100 U	510 J
WR-VC-118	WLCDRD05WRVC118Clam								500 U	1000 U	120 U	360 U	90 U
WR-VC-118	WLCDRD05WRVC118Worm								500 U	170 U	120 U	360 U	90 U
Clackamas Fish Hatcher	WLTASE03CFH03254200	0.02 U	0.02 U	0.02 U	0.026	0.02 U	0.029 U	0.192 T	6.45	0.404 K	1.54	0.498 K	16.2
Clackamas Fish Hatcher	WLTASE03CFH03254201	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.02 UT	0.173 T	5.48	0.418	1.52	0.519 U	14.4
Clackamas Fish Hatcher	WLTASE03CFH03254202	0.019 UT	0.019 UT	0.019 UT	0.022 T	0.019 UT	0.035 T	0.158 T	5.71	0.526	1.07	0.309 K	7.82 K
Clackamas Fish Hatcher	WLTASE03CFH03254210	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.023 U	0.166 T	4.43 T	0.303 JT	1.32 T	0.439 T	14.3 T
Clackamas Fish Hatcher	WLTASE03CFH03254211	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.029 U	0.172 T	4.97	1.2	1.46	0.383	11.9
Clackamas Fish Hatcher	WLTASE03CFH03254212	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.033 U	0.0607 T	4.29	0.287 K	0.764	0.238	5.89 K
Clackamas Fish Hatcher	WLTASE03CFH03254220	0.02 U	0.02 U	0.02 U	0.025	0.02 U	0.042 U	0.226 T	8.39 T	0.556 JT	1.72 T	0.365 JT	12 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	0.019 U	0.019 U	0.019 U	0.028	0.019 U	0.045 U	0.283 T	8.75	0.889	1.99	0.534	16.3
Clackamas Fish Hatcher	WLTASE03CFH03254222	0.02 U	0.02 U	0.02	0.035 U	0.02 U	0.05 U	0.122 T	7.4	0.916 K	1.7 K	0.325 U	14.2
Clackamas Fish Hatcher	WLTASE03CFH03254223	0.02 UT	0.02 UT	0.02 UT	0.025 UT	0.02 T	0.078 T	0.19 T	7.44 T	1.58 T	1.91 T	0.525 JT	17.4 T
RM 3.5-9.2	WLTASE03ISA03334750	0.073 T	0.02 UT	0.021 UT	0.173 T	0.02 UT	0.115 UT	0.278 T	10.2 T	0.834 T	1.74 T	1.52 T	92.2 T
RM 3.5-9.2	WLTASE03ISA03334751	0.047 U	0.02 U	0.02 U	0.135	0.02 U	0.049 U	0.137 T	10.5	3.52	4.85	1.1	88.2
RM 3.5-9.2	WLTASE03ISA03354100	0.091	0.019 U	0.033	0.14	0.024 U	0.064 U	0.555 T	17.4	2.49	2.77	1.68	204
RM 3.5-9.2	WLTASE03ISA03354101	0.213	0.019 U	0.114	0.542	0.092	0.369	1.44 T	6.64	0.858	2.08 U	0.862	76.8
RM 3.5-9.2	WLTASE03ISA03354102	0.114	0.019 U	0.028	0.155	0.034 U	0.082 U	0.62 T	16.5	3.2	3.84	2.06	172
Willamette Falls	WLTASE03WF03214300	0.044 U	0.019 U	0.034	0.075	0.019 U	0.05 U	0.241 T	14.3	1.02	6.02	2.32	58.6
Willamette Falls	WLTASE03WF03214301	0.056	0.02 U	0.056	0.106 U	0.02 U	0.052 U	0.266 T	15.6	0.976	6.84	3.08	74
Willamette Falls	WLTASE03WF03214302	0.052	0.019 U	0.044	0.123 U	0.019 U	0.054 U	0.333 T	19.5	1.1	7.74	2.82	72.3
Willamette Falls	WLTASE03WF03214303	0.053	0.02 U	0.038 U	0.115 U	0.02 U	0.056 U	0.316 T	17.5	1.19	7.51	2.78	77.6

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Table C2-55. Dioxin, Furan, and PCB Congener Values Used in 2,3,7,8-TCDD TEQ Value Calculations for Tissue Samples.

	CAS No	31508-00-6	65510-44-3	38380-08-4	69782-90-7	52663-72-6	39635-31-9	32598-14-4	PCB156_157	TEQ_PCB	TEQ_TOTAL
	Chemical Name	PCB118	PCB123	PCB156	PCB157	PCB167	PCB189	PCB105	PCB156 & 157	Dioxin-like PCB congener TCDD toxicity equivalent	Total TCDD toxicity equivalent
	Unit	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Location Name	**Sample ID**										
08R010	LWG0108R010TSSBWBC20	19900	255	7900	692	3180	1720	5330		13.7 T	17.1 JT
08R010	LWG0108R010TSSBWBC30	41100	232	25600	1490	11300	6620	6300		26.5 T	29.9 T
08R032	LWG0108R032TSSBWBC00	23300	338	5510	715	1950	760	7870		12.2 T	15.2 T
09R002	LWG0109R002TSCRWBC00	2010	50.3	641	65.9	647	285	356		1.41 T	2.2 T
09R002	LWG0109R002TSSPWBC00	33000	457	5070	839	2090	826	11600		13.9 T	15.6 T
09R006	LWG0109R006TSSBWBC00	42600	685	6700	1260	2620	533	15300		20.4 T	23.6 JT
20R001	LWG0120R001TSSBWBC10	1880	36.8	257	49.5	134	28.1	630		1.04 T	3.99 JT
20R001	LWG0120R001TSSBWBC20	3970	73.4	571	101	290	87.6	1340		1.95 T	2.81 JT
20R001	LWG0120R001TSSBWBC10	9830	140	1420	260	539	156	3030		4.26 T	7.07 JT
20R001	LWG0120R001TSSBWBC20	18700	278	3090	509	1130	370	5810		8.21 T	10 T
20R001	LWG0120R001TSSBWBC30	14100	207	2330	359	987	403	4700		8.15 T	9.8 JT
28R001	LWG0128R001TSSBWBC00	1480 T	30.1 T	145 T	32.7 T	106 T	17 T	454 T		0.723 T	1.2 JT
28R001	LWG0128R001TSSBWBC10	7210 T	142 T	754 T	179 T	423 T	57.1 T	2280 T		3.45 T	4.71 JT
28R001	LWG0128R001TSSBWBC20	7520	130	835	187	466	63.5	2250		3.59 T	4.64 JT
28R001	LWG0128R001TSSBWBC30	5200	91.6	537	124	310	46.5	1520		2.58 T	3.54 JT
FZ0306	LWG01FZ0306TSSBWBC10	3200	60.3	529	93.1	296	67.7	1160		2.21 T	3.65 T
FZ0306	LWG01FZ0306TSSBWBC20	9650	171	1140	226	673	116	3200		4.37 T	6.03 T
FZ0306	LWG01FZ0306TSSBWBC30	16800	365	3120	677	1780	267	4350		8.31 T	9.75 JT
FZ0306	LWG01FZ0306TSBCWBC10	5140	95.5	543	114	309	63.9	2020		2.93 T	4.08 JT
FZ0306	LWG01FZ0306TSBCWBC20	5320	93.2	512	111	301	56.8	1920		2.54 T	3.86 JT
FZ0306	LWG01FZ0306TSCPWBC10	17000	323	2180	395	1300	264	5730		8.43 T	10.6 T
FZ0306	LWG01FZ0306TSCPWBC20	74900	762	31600	2180	16000	9010	14600		38.8 T	49.9 T
FZ0306	LWG01FZ0306TSCPWBC30	11400	246	1650	272	1080	237	3650		5.39 T	7.94 T
FZ0609	LWG01FZ0609TSBBWBC10	21400	144	17200	979	8270	4140	3880		16.5 T	18.9 JT
FZ0609	LWG01FZ0609TSBBWBC20	7850	126	1770	207	829	286	2380		4.12 T	5.82 T
FZ0609	LWG01FZ0609TSBBWBC30	9710	176	2640	272	1320	579	3110		5.41 T	7.26 JT
FZ0609	LWG01FZ0609TSBCWBC10	6370	128	769	159	413	69.3	2270		2.77 JT	3.98 JT
FZ0609	LWG01FZ0609TSBCWBC20	12700	263	1110	230	584	107	4930		5.26 T	6.52 T
FZ0609	LWG01FZ0609TSCPWBC10	12400	178	2840	316	1630	612	3120		6.71 T	10.6 JT
FZ0609	LWG01FZ0609TSCPWBC20	16700	291	3000	426	1640	624	5700		9.99 T	15.7 T
FZ0609	LWG01FZ0609TSCPWBC30	17500	237	5910	503	3100	1620	4370		9.91 T	13.3 T
WR-PG-Ref03	WLCDRD050184G	1600	300 U	310 U	130 U	100 U	100 U	100 U		0.16 T	
WR-PG-Ref03	WLCDRD050187G	570 J	300 U	310 U	120 U	190 U	100 U	100 U		0.057 JT	
WR-VC-11	WLCDRD05WRVC011Clam	1500	620 U	310 U	120 U	140 NJ	100 U	350 U		0.151 JT	
WR-VC-11	WLCDRD05WRVC011Worm	3800	300 U	1500 U	270 NJ	530 J	100 U	760 U		0.59 JT	
WR-VC-28	WLCDRD05WRVC028Clam	1100 U	300 U	310 U	120 U	110 U	100 U	500 U		0 UT	
WR-VC-28	WLCDRD05WRVC028Worm	7400	430 U	2500 U	720 U	1300 NJ	150 U	1400 U		0.753 JT	
WR-VC-29	WLCDRD05WRVC029Clam	1200	300 U	310 U	120 U	100 U	100 U	340 J		0.154 JT	
WR-VC-29	WLCDRD05WRVC029Worm	2100	430 U	2100 U	340 NJ	720 U	150 U	720 U		0.38 JT	
WR-VC-43	WLCDRD05WRVC043Clam	1500	620 U	310 U	120 U	290 NJ	100 U	370 J		0.19 JT	
WR-VC-43	WLCDRD05WRVC043Worm	2200	300 U	1600 U	210 NJ	500 U	100 U	1200 U		0.325 JT	
WR-VC-46	WLCDRD05WRVC046Clam	1600	300 U	310 U	120 U	250 J	100 U	500 U		0.163 JT	
WR-VC-46	WLCDRD05WRVC046Worm	4900	500 U	1100 J	330 NJ	170 U	240 U	3200 U		1.21 JT	
WR-VC-57	WLCDRD05WRVC057Clam	1600	460 U	310 U	120 U	100 U	100 U	360 J		0.196 JT	
WR-VC-57	WLCDRD05WRVC057Worm	7800	300 U	310 U	650 J	370 J	370 U	100 U		1.18 JT	
WR-VC-66	WLCDRD05WRVC066Clam	1700	520 U	310 U	120 U	270 NJ	100 U	500 U		0.173 JT	
WR-VC-66	WLCDRD05WRVC066Worm	5200	300 U	1600 U	320 NJ	620 NJ	100 U	1200 U		0.686 JT	
WR-VC-72	WLCDRD05WRVC072Clam	1200	300 U	310 U	120 U	100 U	100 U	500 U		0.12 T	
WR-VC-72	WLCDRD05WRVC072Worm	8800	300 U	2100 U	580 NJ	800 J	100 U	2300 U		1.43 JT	
WR-VC-108	WLCDRD05WRVC108Clam	1700	610 U	310 U	120 U	190 J	100 U	450 U		0.172 JT	
WR-VC-108	WLCDRD05WRVC108Worm	23000	910 U	3400 NJ	1600 U	1000 J	340 U	5600 U		4.27 JT	
WR-VC-118	WLCDRD05WRVC118Clam	1100	510 U	310 U	120 U	160 J	100 U	340 U		0.112 JT	
WR-VC-118	WLCDRD05WRVC118Worm	3100	300 U	1700 U	280 U	500 U	100 U	760 U		0.31 T	
Clackamas Fish Hatcher	WLTASE03CFH03254200	697	12.6	36.2	12	25.3	3.91	229		0.286 T	0.478 T
Clackamas Fish Hatcher	WLTASE03CFH03254201	584	10.9	33	10.9	19.9	3.38	191		0.261 T	0.434 T
Clackamas Fish Hatcher	WLTASE03CFH03254202	369	6.51	22	6.21	13.7	2.23	117		0.178 T	0.336 T
Clackamas Fish Hatcher	WLTASE03CFH03254210	552 T	9.69 T	30.1 T	10.2 T	18.6 T	3.1 T	181 T		0.239 JT	0.405 JT
Clackamas Fish Hatcher	WLTASE03CFH03254211	506	8.29	26.9	8.37	18.2	2.99	159		0.242 T	0.414 T
Clackamas Fish Hatcher	WLTASE03CFH03254212	274	4.95	15.5	4.65	10.5	1.63 K	88.5		0.129 T	0.19 T
Clackamas Fish Hatcher	WLTASE03CFH03254220	538 T	8.68 T	28.1 T	9.07 T	19.3 T	2.58 T	176 T		0.274 JT	0.5 JT
Clackamas Fish Hatcher	WLTASE03CFH03254221	659	12.7	45.8	14.1	27.7	3.82	227		0.334 T	0.617 T
Clackamas Fish Hatcher	WLTASE03CFH03254222	617	10.9	30.7	10	22.4	2.98	194		0.281 T	0.403 T
Clackamas Fish Hatcher	WLTASE03CFH03254223	732 T	11.8 T	41.6 T	13.6 T	24.3 T	4.05 T	245 T		0.333 JT	0.523 JT
RM 3.5-9.2	WLTASE03ISA03334750	2100 T	26.1 JT	461 T	75.7 T	20.4 T	84.4 T	1160 T		0.842 JT	1.12 JT
RM 3.5-9.2	WLTASE03ISA03334751	1160	37.1	542	89.4	12.9	64.2	1100		1.09 T	1.23 T
RM 3.5-9.2	WLTASE03ISA03354100	3110	57	1240	195	33.7	154	2630		1.71 T	2.27 T
RM 3.5-9.2	WLTASE03ISA03354101	1280	26	563	84.2	10.3	83.9	990		0.61 T	2.04 T
RM 3.5-9.2	WLTASE03ISA03354102	5010	45.6	5220	335	54.6	1190	2160		4.11 T	4.73 T
Willamette Falls	WLTASE03WF03214300	2240	31.8	108	20.8	78.5	10.3	507		1 T	1.24 T
Willamette Falls	WLTASE03WF03214301	2770	30.3	149	27	92.7	12.7	630		1.19 T	1.45 T
Willamette Falls	WLTASE03WF03214302	2680	35.4	149	28.8	99.1	13.7	609		1.26 T	1.6 T
Willamette Falls	WLTASE03WF03214303	2910	30.9	139	25.3	96.8	13.4	570		1.26 T	1.57 T

Notes:

J - The associated numerical value is an estimated quantity.

K - Peak detected but did not meet QC criteria.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-56. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Tissue Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
FC001	LW2-BTFC001	7.35	12	1.16	20.5 T	2.14	0.385	0.449	23.5 T	9.49 T	12.4 T	1.61 T
FC002	LW2-BTFC002	8.98	14.1	1.6	24.7 T	2.61	0.469	0.625	28.4 T	11.6 T	14.6 T	2.23 T
FC003	LW2-BTFC003	7.87	10.1	1.21	19.2 T	2.66	0.406	0.53	22.8 T	10.5 T	10.5 T	1.74 T
FC004	LW2-BTFC004	7.14	9.85	1.58	18.6 T	2.14	0.373	0.647	21.7 T	9.28 T	10.2 T	2.23 T
FC005	LW2-BTFC005	8.39	11.8	2.56	22.8 T	2.35	0.489	0.837	26.4 T	10.7 T	12.3 T	3.4 T
FC0061	LW2-BTFC006 Rep 1	9.24 T	9.42 T	1.54 T	20.2 T	2.23 T	0.543 T	0.473 T	23.4 T	11.5 T	9.96 T	2.01 T
FC007	LW2-BTFC007	5.78	9.36	1.6	16.7 T	1.6	0.351	0.597	19.3 T	7.38 T	9.71 T	2.2 T
FC008	LW2-BTFC008	4.92	8.28	1.61	14.8 T	1.19	0.293	0.481	16.8 T	6.11 T	8.57 T	2.09 T
FC010	LW2-BTFC010	5.41	9.29	1.49	16.2 T	1.52	0.345	0.563	18.6 T	6.93 T	9.64 T	2.05 T
FC011	LW2-BTFC011	12.1	13.8	2.69	28.6 T	4.09	0.725	1.11	34.5 T	16.2 T	14.5 T	3.8 T
FC012	LW2-BTFC012	12.9	14.5	2.94	30.3 T	4.63	0.8	1.19	37 T	17.5 T	15.3 T	4.13 T
FC013	LW2-BTFC013	9.51	15	1.19	25.7 T	1.77	0.408	0.391	28.3 T	11.3 T	15.4 T	1.58 T
FC014	LW2-BTFC014	18.2	16.2	5.39	39.8 T	5.61	1.17	1.43	48 T	23.8 T	17.4 T	6.82 T
FC015	LW2-BTFC015	27.9	18.3	6.1	52.3 T	9.65	1.5	2.37	65.8 T	37.6 T	19.8 T	8.47 T
FC016	LW2-BTFC016	5.07	9.16	1.2	15.4 T	1.35	0.286	0.404	17.5 T	6.42 T	9.45 T	1.6 T
FC017	LW2-BTFC017	144	56.7	32.2	233 T	52.1	6.46	12.2	304 T	196 T	63.2 T	44.4 T
FC018	LW2-BTFC018	88.8	37.7	17.3	144 T	26.8	3.37	7.1	181 T	116 T	41.1 T	24.4 T
FC019	LW2-BTFC019	3.57	8.32	0.978	12.9 T	0.882	0.218 J	0.307	14.3 JT	4.45 T	8.54 JT	1.29 T
FC020	LW2-BTFC020	22.4	21.8	8.36	52.6 T	6.13	1.05	3.28	63 T	28.5 T	22.9 T	11.6 T
FC021	LW2-BTFC021	11.1	14.1	2.78	28 T	3.41	0.612	1.05	33.1 T	14.5 T	14.7 T	3.83 T
FC022	LW2-BTFC022	6.35	13	1.87	21.2 T	1.48	0.378	0.558	23.6 T	7.83 T	13.4 T	2.43 T
FC024	LW2-BTFC024	8.04	14.1	1.56	23.7 T	2.14	0.489	0.49	26.8 T	10.2 T	14.6 T	2.05 T
FC025	LW2-BTFC025	8.29	18.1	0.905	27.3 T	1.95	0.656	0.331	30.2 T	10.2 T	18.8 T	1.24 T
FC026	LW2-BTFC026	5.45	10	1.44	16.9 T	1.31	0.327	0.369	18.9 T	6.76 T	10.3 T	1.81 T
FC0271	LW2-BTFC027 Rep 1	2.23 T	6.13 T	0.634 T	8.99 T	0.485 T	0.141 JT	0.177 JT	9.8 JT	2.72 T	6.27 JT	0.811 JT
FC028	LW2-BTFC028	24	63.7	1.28	89 T	5.65	3.08	0.353	98.1 T	29.7 T	66.8 T	1.63 T
FC029	LW2-BTFC029	6.6	10.3	0.952	17.9 T	1.48	0.394	0.29	20 T	8.08 T	10.7 T	1.24 T
FC030	LW2-BTFC030	3.93	12.5	0.964	17.4 T	0.881	0.319	0.257	18.9 T	4.81 T	12.8 T	1.22 T
FC031	LW2-BTFC031	2.47	7.84	0.994	11.3 T	0.507	0.146 J	0.267	12.2 JT	2.98 T	7.99 JT	1.26 T
FC032	LW2-BTFC032	4.79 J	9.21	1.77 J	15.8 JT	1.05 J	0.264 J	0.486 J	17.6 JT	5.84 JT	9.47 JT	2.26 JT
FC033	LW2-BTFC033	1.76	4.79	0.611	7.16 T	0.394	0.0978 J	0.167 J	7.82 JT	2.15 T	4.89 JT	0.778 JT
BT001	LW2-BTLC001	0.595	0.77	0.0945 J	1.46 JT	0.171 J	0.0348 U	0.0211 U	1.63 JT	0.766 JT	0.77 T	0.0945 JT
BT002	LW2-BTLC002	0.525	0.778	0.102 J	1.41 JT	0.155 J	0.0347 U	0.023 J	1.58 JT	0.68 JT	0.778 T	0.125 JT
BT003	LW2-BTLC003	0.418	0.535	0.0812 J	1.03 JT	0.157 J	0.0145 J	0.025 J	1.23 JT	0.575 JT	0.55 JT	0.106 JT
BT004	LW2-BTLC004	0.375	0.513	0.071 J	0.959 JT	0.136 J	0.0134 J	0.0225 J	1.13 JT	0.511 JT	0.526 JT	0.0935 JT
BT005	LW2-BTLC005	0.935	0.625	0.0729 J	1.63 JT	0.308	0.0235 J	0.0292 J	1.99 JT	1.24 T	0.649 JT	0.102 JT
BT0061	LW2-BTLC006-1	0.624	0.612	0.0888 J	1.32 JT	0.208 J	0.0204 J	0.0274 J	1.58 JT	0.832 JT	0.632 JT	0.116 JT
BT0062	LW2-BTLC006-2	0.751	0.601	0.0802 J	1.43 JT	0.226	0.0224 J	0.0275 J	1.71 JT	0.977 T	0.623 JT	0.108 JT
BT007	LW2-BTLC007	1.52	1.7	0.212 J	3.43 JT	0.405	0.039 J	0.0819 U	3.88 JT	1.93 T	1.74 JT	0.212 JT
BT008	LW2-BTLC008	2.94	2.81	0.477	6.23 T	0.544	0.0694 J	0.122 J	6.96 JT	3.48 T	2.88 JT	0.599 JT
BT009	LW2-BTLC009	0.749	0.718	0.0841 J	1.55 JT	0.225 J	0.0188 J	0.0244 J	1.82 JT	0.974 JT	0.737 JT	0.109 JT
BT010	LW2-BTLC010	1.59	0.912	0.0859 J	2.59 JT	0.463	0.0243 J	0.0309 J	3.11 JT	2.05 T	0.936 JT	0.117 JT
BT011	LW2-BTLC011	0.757	0.589	0.0791 J	1.43 JT	0.259	0.0188 J	0.0266 J	1.73 JT	1.02 T	0.608 JT	0.106 JT
BT012	LW2-BTLC012	1.5	0.848	0.087 J	2.44 JT	0.49	0.0528 J	0.0243 J	3 JT	1.99 T	0.901 JT	0.111 JT
BT013	LW2-BTLC013	1.06	0.72	0.183 J	1.96 JT	0.323	0.035 U	0.101 U	2.29 JT	1.38 T	0.72 T	0.183 JT
BT014	LW2-BTLC014	1.59	0.776	0.131 U	2.37 T	0.603	0.0397 U	0.0626 U	2.97 T	2.19 T	0.776 T	0.131 UT
BT015	LW2-BTLC015	3.12	1	0.117 J	4.24 JT	0.977	0.0489 J	0.0437 J	5.31 JT	4.1 T	1.05 JT	0.161 JT
BT016	LW2-BTLC016	0.776	0.832	0.0665 J	1.67 JT	0.219 J	0.0171 J	0.0262 J	1.94 JT	0.995 JT	0.849 JT	0.0927 JT
BT017	LW2-BTLC017	84.5	8.55	2.61	95.7 T	18.6	1.09	0.729	116 T	103 T	9.64 T	3.34 T
BT018	LW2-BTLC018	702	8.25	87.1	797 T	239	2.93	0.0807 U	1040 T	941 T	11.2 T	87.1 T
BT019	LW2-BTLC019	0.558	0.866	0.0919 J	1.52 JT	0.16 J	0.0138 J	0.0277 J	1.72 JT	0.718 JT	0.88 JT	0.12 JT
BT020	LW2-BTLC020	4.85	2.06	0.314	7.22 T	1.41	0.0664 J	0.091 J	8.79 JT	6.26 T	2.13 JT	0.405 JT
BT021	LW2-BTLC021	1.27	0.847	0.119 J	2.24 JT	0.411	0.0278 J	0.0622 U	2.67 JT	1.68 T	0.875 JT	0.119 JT
BT022	LW2-BTLC022	2.39	2.44	0.228 J	5.06 JT	0.597	0.0848 J	0.0682 J	5.81 JT	2.99 T	2.52 JT	0.296 JT
BT023	LW2-BTLC023	0.558	1.01	0.125 U	1.57 T	0.183 J	0.0343 U	0.0244 U	1.75 JT	0.741 JT	1.01 T	0.125 UT
BT024	LW2-BTLC024	2.2	2.59	0.247 J	5.04 JT	0.494	0.0658 J	0.064 J	5.66 JT	2.69 T	2.66 JT	0.311 JT
BT025	LW2-BTLC025	0.727	1.01	0.101 J	1.84 JT	0.176 J	0.027 J	0.054 U	2.04 JT	0.903 JT	1.04 JT	0.101 JT
BT026	LW2-BTLC026	0.434	0.576	0.075 J	1.09 JT	0.094 J	0.0155 J	0.0384 U	1.19 JT	0.528 JT	0.592 JT	0.075 JT
BT0271	LW2-BTLC027-1	0.615	0.832	0.0967 J	1.54 JT	0.165 J	0.0158 J	0.0261 J	1.75 JT	0.78 JT	0.848 JT	0.123 JT
BT0272	LW2-BTLC027-2	0.484	0.731	0.121 J	1.34 JT	0.121 J	0.0139 J	0.0388 J	1.51 JT	0.605 JT	0.745 JT	0.16 JT
BT028	LW2-BTLC028	8.15	6.68	0.103 J	14.9 JT	2.4	0.429	0.0433 J	17.8 JT	10.6 T	7.11 T	0.146 JT
BT029	LW2-BTLC029	0.451	0.645	0.0898 U	1.1 T	0.155 J	0.0139 J	0.0587 U	1.26 JT	0.606 JT	0.659 JT	0.0898 UT
BT030	LW2-BTLC030	0.898	1.23	0.148 J	2.28 JT	0.185 J	0.025 J	0.0418 J	2.53 JT	1.08 JT	1.26 JT	0.19 JT
BT031	LW2-BTLC031	0.45	0.904	0.129 J	1.48 JT	0.106 J	0.0151 J	0.0339 J	1.64 JT	0.556 JT	0.919 JT	0.163 JT
BT032	LW2-BTLC032	0.547	0.704	0.1 J	1.35 JT	0.122 J	0.0131 J	0.0288 J	1.51 JT	0.669 JT	0.717 JT	0.129 JT
BT033	LW2-BTLC033	0.464	0.74	0.0824 J	1.29 JT	0.149 J	0.0125 J	0.0247 J	1.47 JT	0.613 JT	0.753 JT	0.107 JT
BT001	LW2-BTLW001	13.2	24.8	0.163 J	38.2 JT	2.34	0.49	0.0469 U	41 JT	15.5 T	25.3 T	0.163 JT

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Table C2-56. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Tissue Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
BT002	LW2-BTLW002	11.9	17.7	0.428	30 T	2.33	0.321	0.113 J	32.8 JT	14.2 T	18 T	0.541 JT
BT003	LW2-BTLW003	9.69	11.5	1.27	22.5 T	1.51	0.239 J	0.159 J	24.4 JT	11.2 T	11.7 JT	1.43 JT
BT004	LW2-BTLW004	4.6	10.4	0.549	15.5 T	0.611	0.127 J	0.086 J	16.4 JT	5.21 T	10.5 JT	0.635 JT
BT005	LW2-BTLW005	19.4	20.2	0.297 J	39.9 JT	3.73	0.776	0.051 J	44.5 JT	23.1 T	21 T	0.348 JT
BT0061	LW2-BTLW006-1	13.3	12.2	0.472	26 T	2.06	0.439	0.067 J	28.5 JT	15.4 T	12.6 T	0.539 JT
BT0062	LW2-BTLW006-2	16.9	14	0.286 J	31.2 JT	2.69	0.57	0.067 J	34.5 JT	19.6 T	14.6 T	0.353 JT
BT007	LW2-BTLW007	13.4	20.3	2.99	36.7 T	1.4	0.265	0.465	38.8 T	14.8 T	20.6 T	3.46 T
BT008	LW2-BTLW008	9.36	12.5	0.116 J	22 JT	1.77	0.345	0.0191 U	24.1 JT	11.1 T	12.8 T	0.116 JT
BT009	LW2-BTLW009	21.3	26.8	0.234 J	48.3 JT	2.99	0.64	0.053 J	52 JT	24.3 T	27.4 T	0.287 JT
BT010	LW2-BTLW010	38.5	46.3	0.435	85.2 T	6.77	1.05	0.138 J	93.2 JT	45.3 T	47.4 T	0.573 JT
BT011	LW2-BTLW011	17.9	17.8	0.252 J	36 JT	3.51	0.549	0.074 J	40.1 JT	21.4 T	18.3 T	0.326 JT
BT012	LW2-BTLW012	61.1	42.3	1.65	105 T	17.6	3.69	0.399 J	127 JT	78.7 T	46 T	2.05 JT
BT013	LW2-BTLW013	23.2	16.2	2.6	42 T	3.97	0.454	0.226 J	46.7 JT	27.2 T	16.7 T	2.83 JT
BT014	LW2-BTLW014	57.1	24.8	0.939	82.8 T	14	2.42	0.201 J	99.5 JT	71.1 T	27.2 T	1.14 JT
BT015	LW2-BTLW015	51.4	25.3	0.859	77.6 T	10.9	1.7	0.04 U	90.2 T	62.3 T	27 T	0.859 T
BT016	LW2-BTLW016	17.6	27.6	0.305	45.5 T	3.29	0.595	0.196 J	49.6 JT	20.9 T	28.2 T	0.501 JT
BT017	LW2-BTLW017	1060	171	31.1	1260 T	204	16.8	3.13	1490 T	1260 T	188 T	34.2 T
BT018	LW2-BTLW018	705	31.2 J	37.9	774 JT	191	52.7	4.27 U	1020 JT	896 T	83.9 JT	37.9 T
BT019	LW2-BTLW019	9.46	20.1	0.151 U	29.6 T	1.94	0.348	0.0695 J	31.9 JT	11.4 T	20.4 T	0.0695 JT
BT020	LW2-BTLW020	51.7	24	0.541 J	76.2 JT	12.5	1.18	0.29 J	90.2 JT	64.2 T	25.2 T	0.831 JT
BT021	LW2-BTLW021	24.7	24.8	0.396	49.9 T	4.9	0.962	0.0211 U	55.8 T	29.6 T	25.8 T	0.396 T
BT022	LW2-BTLW022	15	22.1	0.102 J	37.2 JT	2.64	0.86	0.0213 U	40.7 JT	17.6 T	23 T	0.102 JT
BT023	LW2-BTLW023	11.6	28	0.109 U	39.6 T	2.66	0.669	0.0707 U	42.9 T	14.3 T	28.7 T	0.109 UT
BT024	LW2-BTLW024	18.8	30.9	0.258	50 T	2.82	0.845	0.0212 U	53.6 T	21.6 T	31.7 T	0.258 T
BT025	LW2-BTLW025	20	38.9	0.144 J	59 JT	2.99	1.06	0.021 U	63.1 JT	23 T	40 T	0.144 JT
BT026	LW2-BTLW026	9.14	11.8	0.234 J	21.2 JT	1.53	0.38	0.0372 J	23.1 JT	10.7 T	12.2 T	0.271 JT
BT0271	LW2-BTLW027-1	7.5	13.9	0.126 J	21.5 JT	1.31	0.264	0.0232 J	23.1 JT	8.81 T	14.2 T	0.149 JT
BT0272	LW2-BTLW027-2	6.53	11.5	0.119 J	18.1 JT	1.26	0.226 J	0.0342 J	19.7 JT	7.79 T	11.7 JT	0.153 JT
BT028	LW2-BTLW028	113	145	0.0873 J	258 JT	17.8	8.15	0.0199 U	284 JT	131 T	153 T	0.0873 JT
BT029	LW2-BTLW029	8.07	10.8	0.056 J	18.9 JT	1.18	0.31	0.0213 U	20.4 JT	9.25 T	11.1 T	0.056 JT
BT030	LW2-BTLW030	10.8	15.1	1.21	27.1 T	1.97	0.423	0.418	29.9 T	12.8 T	15.5 T	1.63 T
BT031	LW2-BTLW031	5.27	13.9	0.109 J	19.3 JT	0.709	0.202 J	0.0234 J	20.2 JT	5.98 T	14.1 JT	0.132 JT
BT032	LW2-BTLW032	10.3	11.3	0.178 J	21.8 JT	1.78	0.278	0.0528 J	23.9 JT	12.1 T	11.6 T	0.231 JT
BT033	LW2-BTLW033	4.08	9.52	0.0456 J	13.6 JT	0.7	0.136 J	0.0212 U	14.5 JT	4.78 T	9.66 JT	0.0456 JT
MIT001	LW2-MIT001	3.08	6.42	0.463	9.96 T	1.47	0.17	0.313	11.9 T	4.55 T	6.59 T	0.776 T
MIT002	LW2-MIT002	0.831	1.21	0.111	2.15 T	0.393	0.0736	0.0532	2.67 T	1.22 T	1.28 T	0.164 T
MIT356	LW2-MIT003/005/006	30.3	29.4	12.2	71.9 T	14.1	1.28	7.54	94.8 T	44.4 T	30.7 T	19.7 T
MIT004	LW2-MIT004	0.841 J	3.13	0.236	4.21 JT	0.328 J	0.0775	0.12 J	4.73 JT	1.17 JT	3.21 T	0.356 JT
MIT007	LW2-MIT007	0.746	1.96	0.0517 J	2.76 JT	0.214 J	0.0525 J	0.0374 U	3.02 JT	0.96 JT	2.01 JT	0.0517 JT
MIT810	LW2-MIT008/010	1.62	6.07	0.192	7.88 T	0.476	0.117	0.0962	8.57 T	2.1 T	6.19 T	0.288 T
MIT009	LW2-MIT009	0.646	2.14	0.0502	2.84 T	0.136	0.0382 J	0.0172 U	3.01 JT	0.782 T	2.18 JT	0.0502 T
T01	LW2-T01 SC	2.04	9.16	0.969	12.2 T	0.228 J	0.0542 J	0.21 J	12.7 JT	2.27 JT	9.21 JT	1.18 JT
T01	LW2-T01-NOAA SC	2.01 NJ	4.96 NJ	1.29 J	8.26 JT	0.419 NJ	0.0713 NJ	0.208 J	8.96 JT	2.43 JT	5.03 JT	1.5 JT
T01	LW2-T01-REP1	1 J	8.7	18	27.7 JT	4.2	0.16 U	4.4 U	31.9 JT	5.2 JT	8.7 T	18 T
T01	LW2-T01-REP2	1.9	9.1	5.4	16.4 T	1.1 U	0.16 U	2.9 NJ	19.3 JT	1.9 T	9.1 T	8.3 JT
T01	LW2-T01-REP3	1.6	8.6	4.2	14.4 T	1.1 U	0.16 U	2.5 NJ	16.9 JT	1.6 T	8.6 T	6.7 JT
T02	LW2-T02 SC	113 NJ	144 NJ	37.5 J	295 JT	23.5 NJ	2.91 NJ	6.42 J	327 JT	137 JT	147 JT	43.9 JT
T02	LW2-T02-NOAA SC	22.8	74	53.1	150 T	5.02	3.78	16.3	175 T	27.8 T	77.8 T	69.4 T
T02	LW2-T02-REP1	110	87	34	231 T	9.7	1.4 U	8.6	249 T	120 T	87 T	42.6 T
T02	LW2-T02-REP2	120	92	38	250 T	12	1.6 U	10	272 T	132 T	92 T	48 T
T02	LW2-T02-REP3	130	93	38	261 T	13	2.1 U	10	284 T	143 T	93 T	48 T
T03	LW2-T03 SC	0.528	6.91	1.17	8.61 T	0.0924 J	0.0289 J	0.149 J	8.88 JT	0.62 JT	6.94 JT	1.32 JT
T03	LW2-T03-REP1	1.2 J	7	12	20.2 JT	3.6 J	1.5 U	3 U	23.8 JT	4.8 JT	7 T	12 T
T03	LW2-T03-REP2	1.5 J	8.1	10	19.6 JT	2.6 NJ	1.2 U	2.7 U	22.2 JT	4.1 JT	8.1 T	10 T
T03	LW2-T03-REP3	1.4 J	13	15	29.4 JT	5.1 NJ	6.2 U	5.3 U	34.5 JT	6.5 JT	13 T	15 T
T04	LW2-T04 SC	0.478	5.33	0.578	6.39 T	0.0822 J	0.0317 J	0.108	6.61 JT	0.56 JT	5.36 JT	0.686 T
T04	LW2-T04-REP1	0.69 U	6.3	1.5	7.8 T	0.34 U	0.16 U	0.81 NJ	8.61 JT	0.69 UT	6.3 T	2.31 JT
T04	LW2-T04-REP2	1 J	7.9	2.1	11 JT	0.34 U	0.84 U	1.2 NJ	12.2 JT	1 JT	7.9 T	3.3 JT
T04	LW2-T04-REP3	0.88 U	6.6	1.6	8.2 T	0.34 U	0.93 U	1 NJ	9.2 JT	0.88 UT	6.6 T	2.6 JT
02R001	LWG0102R001TSCRWBC00	1 U	2.9 N	1.1 U	2.9 T	1 U	1 UJ	7.6 NJ	10.5 JT	1 UT	2.9 T	7.6 JT
02R001	LWG0102R001TSSPWBC00	14 JT	30 T	6.3 UT	44 JT	4 UT	7.5 UT	6.9 UT	44 JT	14 JT	30 T	6.9 UT
02R015	LWG0102R015TSCRWBC00	1 U	4.1	1 U	4.1 T	1 U	1 UJ	9.5 NJ	13.6 JT	1 UT	4.1 T	9.5 JT
02R015	LWG0102R015TSSPWBC00	9.2 JT	28 T	6.3 UT	37.2 JT	8.1 UT	7.5 UT	6.9 UT	37.2 JT	9.2 JT	28 T	6.9 UT
03R001	LWG0103R001TSCRWBC00	1 U	4.8	1 U	4.8 T	1 U	1 UJ	2.2 N	7 T	1 UT	4.8 T	2.2 T
03R001	LWG0103R001TSSPWBC00	5.2 NJ	19 U	16 J	21.2 JT	1.1 U	1.4 UJ	8.6 NJ	29.8 JT	5.2 JT	19 UT	24.6 JT
03R002	LWG0103R002TSCRWBC00	1 U	3.8	1 U	3.8 T	1 U	1 UJ	2.1 NJ	5.9 JT	1 UT	3.8 T	2.1 JT
03R002	LWG0103R002TSSPWBC10	6.7 N	21 U	19	25.7 T	1.4 U	1.2 UJ	8.4 NJ	34.1 JT	6.7 T	21 UT	27.4 JT

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Table C2-56. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Tissue Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
03R002	LWG0103R002TSSPWBC20	7.2 N	34 U	37	44.2 T	1.2 U	1.4 U	9.7 NJ	53.9 JT	7.2 T	34 UT	46.7 JT
03R003	LWG0103R003TSCRWBC00	1 U	3.5 N	3.4 NJ	6.9 JT	1 U	1 UJ	3.5 NJ	10.4 JT	1 UT	3.5 T	6.9 JT
03R004	LWG0103R004TSCRWBC00	1 U	3.7 N	2.3 NJ	6 JT	1 U	1 UJ	2.9 J	8.9 JT	1 UT	3.7 T	5.2 JT
03R004	LWG0103R004TSSPWBC10	5.7 N	20 UJ	54	59.7 T	2.4 U	1.4 U	30	89.7 T	5.7 T	20 UJT	84 T
03R004	LWG0103R004TSSPWBC20	8.3 N	22 NJ	50	80.3 JT	2.9 U	1.7 U	27 J	107 JT	8.3 T	22 JT	77 JT
03R005	LWG0103R005TSCRWBC00	1 U	3.5 J	3.1 U	3.5 JT	1 U	1 UJ	6.1 UJ	3.5 JT	1 UT	3.5 JT	6.1 UJT
03R005	LWG0103R005TSSPWBC00	7.7 N	25 NJ	75	108 JT	2.8 U	1 U	34 NJ	142 JT	7.7 T	25 JT	109 JT
03R014	LWG0103R014TSLSWBC10	41 T	160 T	17 JT	218 JT	8.6 UT	4 UT	6.9 UT	218 JT	41 T	160 T	17 JT
03R014	LWG0103R014TSLSWBC20	31 J	93	32 J	156 JT	7.8 U	4 U	14 NJ	170 JT	31 JT	93 T	46 JT
03R014	LWG0103R014TSNPWBC10	46 T	225 T	6.3 UT	271 T	8.6 UT	7.5 UT	6.9 UT	271 T	46 T	225 T	6.9 UT
03R014	LWG0103R014TSNPWBC20	40.5 T	210 T	6.3 UT	251 T	4.5 UT	4 UT	6.9 UT	251 T	40.5 T	210 T	6.9 UT
03R014	LWG0103R014TSPMWBC00	11.1 T	109 T	6.4 JT	127 JT	4 UT	1 UT	5.7 JT	132 JT	11.1 T	109 T	12.1 JT
03R014	LWG0103R014TSSBFLC00	4.1 J	25	8.3	37.4 JT	1.2 U	1 U	4.6 J	42 JT	4.1 JT	25 T	12.9 JT
03R014	LWG0103R014TSSBWBC00	30.5 JT	145 T	15 JT	191 JT	5.4 UT	4 UT	6.9 UT	191 JT	30.5 JT	145 T	15 JT
03R032	LWG0103R032TSCRWBC00	1 U	3.4	1.5 N	4.9 T	1 UJ	1 UJ	2.1 NJ	7 JT	1 UT	3.4 T	3.6 JT
03R032	LWG0103R032TSSPWBC00	7.3 N	18 NJ	23 J	48.3 JT	1.2 U	1.6 U	7.4 NJ	55.7 JT	7.3 T	18 JT	30.4 JT
03R034	LWG0103R034TSSPWBC00	6.1 UT	24 JT	12 JT	36 JT	4 UT	4 UJT	6.9 UT	36 JT	6.1 UT	24 JT	12 JT
04R002	LWG0104R002TSCRWBC00	1 U	4	1 U	4 T	1 U	1 UJ	1.9 NJ	5.9 JT	1 UT	4 T	1.9 JT
04R002	LWG0104R002TSSPWBC00	5.6 J	16 NJ	26 J	47.6 JT	12 U	1.1 U	9 NJ	56.6 JT	5.6 JT	16 JT	35 JT
04R003	LWG0104R003TSCRWBC00	1.2 NJ	3.9	9.5	14.6 JT	1 U	3.3 NJ	5.5 U	17.9 JT	1.2 JT	7.2 JT	9.5 T
04R003	LWG0104R003TSSPWBC00	5.3 N	14 NJ	21 J	40.3 JT	1.3 U	1 U	9.8 NJ	50.1 JT	5.3 T	14 JT	30.8 JT
04R004	LWG0104R004TSCRWBC10	1 U	6.9	1 U	6.9 T	1 U	1 UJ	2.1 N	9 T	1 UT	6.9 T	2.1 T
04R004	LWG0104R004TSCRWBC20	1 U	2.1	1 U	2.1 T	1 U	1 UJ	1 U	2.1 T	1 UT	2.1 T	1 UT
04R004	LWG0104R004TSSPWBC00	12 J	32 NJ	26 J	70 JT	2.1 U	1.2 U	5.4 NJ	75.4 JT	12 JT	32 JT	31.4 JT
04R023	LWG0104R023TSSBWBC10	47 T	220 T	27 T	294 T	9.6 JT	4 UT	6.9 UT	304 JT	56.6 JT	220 T	27 T
04R023	LWG0104R023TSSBWBC20	33.5 JT	140 T	6.3 UT	174 JT	4.9 UT	4 UT	6.9 UT	174 JT	33.5 JT	140 T	6.9 UT
04R023	LWG0104R023TSSBWBC30	31 JT	99.5 JT	6.3 UT	131 JT	4.9 UT	1 UT	6.9 UT	131 JT	31 JT	99.5 JT	6.9 UT
05R001	LWG0105R001TSCRWBC00	1 U	5.2	1 U	5.2 T	1 U	1 UJ	1.7 NJ	6.9 JT	1 UT	5.2 T	1.7 JT
05R001	LWG0105R001TSSPWBC00	6.1 UT	16 JT	6.3 UT	16 JT	1 UT	1 UJT	8.45 T	24.5 JT	6.1 UT	16 JT	8.45 T
05R003	LWG0105R003TSCRWBC00	1 U	6.6	1 U	6.6 T	1 U	1.4 NJ	2 U	8 JT	1 UT	8 JT	2 UT
05R006	LWG0105R006TSLSWBC00	20	79	27	126 T	16 NJ	1 U	9.3 NJ	151 JT	36 JT	79 T	36.3 JT
05R006	LWG0105R006TSNPWBC00	48 T	305 T	6.3 UT	353 T	6.1 UT	4 UT	6.9 UT	353 T	48 T	305 T	6.9 UT
05R006	LWG0105R006TSPMWBC00	24.5 T	110 T	7 T	142 T	8.6 UT	1.7 UT	6.9 UT	142 T	24.5 T	110 T	7 T
05R006	LWG0105R006TSSBFLC00	4.2 J	14	6.6	24.8 JT	1.1 U	1 U	2.9 NJ	27.7 JT	4.2 JT	14 T	9.5 JT
05R006	LWG0105R006TSSBWBC00	35 JT	108 JT	35 T	178 JT	6.5 UT	1.5 UT	6.9 UT	178 JT	35 JT	108 JT	35 T
05R020	LWG0105R020TSSPWBC00	11 J	27 U	22 J	33 JT	1.5 U	1.8 U	4.3 U	33 JT	11 JT	27 UT	22 JT
06R001	LWG0106R001TSCRWBC00	1 U	4.6	1.1 U	4.6 T	1 U	1 UJ	1.2 N	5.8 T	1 UT	4.6 T	1.2 T
06R001	LWG0106R001TSSPWBC00	16 J	29 NJ	27 J	72 JT	2.1 NJ	1.9 U	7.7 NJ	81.8 JT	18.1 JT	29 JT	34.7 JT
06R002	LWG0106R002TSCAWBC00	2.2 N	7.5 N	8.3 U	9.7 T	2.6 N	1.1 U	3.9 U	12.3 T	4.8 T	7.5 T	8.3 UT
06R002	LWG0106R002TSSPWBC10	6.1 UT	19 JT	6.3 UT	19 JT	4 UT	4 UT	6.9 UT	19 JT	6.1 UT	19 JT	6.9 UT
06R002	LWG0106R002TSSPWBC20	12 JT	26 T	11 JT	49 JT	8.6 UT	7.5 UT	6.9 UT	49 JT	12 JT	26 T	11 JT
06R004	LWG0106R004TSCRWBC10	2.9 J	8.8	1.5 N	13.2 JT	1 U	1 UJ	1.6 N	14.8 JT	2.9 JT	8.8 T	3.1 T
06R004	LWG0106R004TSCRWBC20	9.6 NJ	3.3	1 U	12.9 JT	1 U	1 UJ	1.1 NJ	14 JT	9.6 JT	3.3 T	1.1 JT
06R004	LWG0106R004TSSPWBC00	140 JT	230 JT	135 JT	505 JT	33 JT	14 JT	18 JT	570 JT	173 JT	244 JT	153 JT
06R024	LWG0106R024TSSBFLC00	5	12	5.6	22.6 T	1.4 NJ	1 U	2 NJ	26 JT	6.4 JT	12 T	7.6 JT
06R024	LWG0106R024TSSBWBC00	19 JT	105 JT	17 JT	141 JT	8.6 UT	1 UT	6.9 UT	141 JT	19 JT	105 JT	17 JT
06R031	LWG0106R031TSCRWBC00	1 U	3.2	1.6 NJ	4.8 JT	1 U	1 NJ	1.4 NJ	7.2 JT	1 UT	4.2 JT	3 JT
07R003	LWG0107R003TSCAWBC00	30	26	49	105 T	14 J	2.5 NJ	20	142 JT	44 JT	28.5 JT	69 T
07R003	LWG0107R003TSCRWBC00	3.1 J	15 J	14 J	32.1 JT	2 UJ	2 U	3.5 NJ	35.6 JT	3.1 JT	15 JT	17.5 JT
07R003	LWG0107R003TSSPWBC00	84 T	160 T	250 T	494 T	18 JT	7.9 JT	62.5 T	582 JT	102 JT	168 JT	313 T
07R004	LWG0107R004TSCRWBC00	1 U	6.4	1 U	6.4 T	1 U	1 UJ	1.5 NJ	7.9 JT	1 UT	6.4 T	1.5 JT
07R006	LWG0107R006TSCAWBC00	160 T	94.5 T	75 T	330 T	82 T	12.5 JT	39 T	463 JT	242 T	107 JT	114 T
07R006	LWG0107R006TSCRWBC00	17 NJ	51	10	78 JT	4.3 NJ	1 U	2.6 N	84.9 JT	21.3 JT	51 T	12.6 T
07R006	LWG0107R006TSSPWBC00	305 T	630 T	1700 T	2640 T	71 T	27 T	325 T	3060 T	376 T	657 T	2030 T
07R009	LWG0107R009TSLSWBC00	57 T	96 JT	31 T	184 JT	8.6 UT	7.5 UT	6.9 UT	184 JT	57 T	96 JT	31 T
07R009	LWG0107R009TSNPWBC00	43 T	545 T	6.3 UT	588 T	29 T	53 T	91 T	761 T	72 T	598 T	91 T
07R009	LWG0107R009TSSBWBC10	58 T	190 T	130 T	378 T	8.6 UT	6.5 UT	30 T	408 T	58 T	190 T	160 T
07R009	LWG0107R009TSSBWBC20	55 T	180 T	98 T	333 T	13 JT	4 UT	17 JT	363 JT	68 JT	180 T	115 JT
07R009	LWG0107R009TSSBWBC30	110 T	160 T	35 T	305 T	29 T	7.5 UT	6.9 UT	334 T	139 T	160 T	35 T
08R001	LWG0108R001TSCRWBC00	1 UJ	6.3 J	4.1 UJ	6.3 JT	1 U	1 U	6.6 NJ	12.9 JT	1 UJT	6.3 JT	6.6 JT
08R001	LWG0108R001TSSPWBC00	6.1 UT	29 T	8.9 JT	37.9 JT	8.6 UT	7.5 UT	6.9 UT	37.9 JT	8.6 UT	29 T	8.9 JT
08R002	LWG0108R002TSCRWBC00	1 UJ	3 J	1 UJ	3 JT	1 U	1 U	2.9 NJ	5.9 JT	1 UJT	3 JT	2.9 JT
08R002	LWG0108R002TSSPWBC00	4.6 NJ	18 U	21 J	25.6 JT	1.2 U	1 UJ	10 NJ	35.6 JT	4.6 JT	18 UT	31 JT
08R003	LWG0108R003TSCRWBC00	1 UJ	3.4 NJ	2.4 UJ	3.4 JT	1 U	1 U	1.8 U	3.4 JT	1 UJT	3.4 JT	2.4 UJT
08R003	LWG0108R003TSSPWBC00	6.1 UT	18 JT	6.3 UT	18 JT	4 UT	4 UT	6.9 UT	18 JT	6.1 UT	18 JT	6.9 UT
08R010	LWG0108R010TSLSWBC00	150 T	185 T	245 T	580 T	40 T	6.7 UT	50 T	670 T	190 T	185 T	295 T
08R010	LWG0108R010TSNPWBC00	17 NJ	82	53 J	152 JT	9.8 U	9.8 U	21 U	152 JT	17 JT	82 T	53 JT

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Table C2-56. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Tissue Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
08R010	LWG0108R010TSPMWBC00	25 JT	125 JT	6.3 UJT	150 JT	4.2 UT	1 UT	6.9 UJT	150 JT	25 JT	125 JT	6.9 UJT
08R010	LWG0108R010TSSBWBC10	11 JT	92.5 JT	7.3 JT	111 JT	8.6 UT	7.5 UT	6.9 UT	111 JT	11 JT	92.5 JT	7.3 JT
08R010	LWG0108R010TSSBWBC20	12 JT	53 JT	6.3 UT	65 JT	8.6 UT	7.5 UT	6.9 UT	65 JT	12 JT	53 JT	6.9 UT
08R010	LWG0108R010TSSBWBC30	25.5 T	81.5 JT	6.3 UT	107 JT	8.6 UT	7.5 UT	6.9 UT	107 JT	25.5 T	81.5 JT	6.9 UT
08R032	LWG0108R032TSSBFLC00	2.7 J	16	10	28.7 JT	1.1 U	1 U	5.2 NJ	33.9 JT	2.7 JT	16 T	15.2 JT
08R032	LWG0108R032TSSBWBC00	25 JT	128 JT	26 T	179 JT	8.6 UT	4 UJT	6.9 UT	179 JT	25 JT	128 JT	26 T
09R001	LWG0109R001TSCRWBC10	1 UJ	1.6 J	2.9 UJ	1.6 JT	1 U	1 U	1.4 U	1.6 JT	1 UJT	1.6 JT	2.9 UJT
09R001	LWG0109R001TSCRWBC20	1 UJ	1.9 NJ	2.9 UJ	1.9 JT	1 U	1 U	1.8 U	1.9 JT	1 UJT	1.9 JT	2.9 UJT
09R001	LWG0109R001TSSPWBC00	4 UT	24 JT	19 JT	43 JT	4 UJT	4 UT	6.9 UT	43 JT	4 UT	24 JT	19 JT
09R002	LWG0109R002TSCRWBC00	1 UJ	2.5 J	4.7 UJ	2.5 JT	1 U	1 U	2.2 U	2.5 JT	1 UJT	2.5 JT	4.7 UJT
09R002	LWG0109R002TSSPWBC00	9.6 U	11 U	81	81 T	9.6 U	9.6 U	81 NJ	162 JT	9.6 UT	11 UT	162 JT
09R006	LWG0109R006TSLSWBC00	27.5 JT	115 T	6.3 UT	143 JT	8.6 UT	4 UT	6.9 UT	143 JT	27.5 JT	115 T	6.9 UT
09R006	LWG0109R006TSNPWBC00	6.1 UT	145 T	6.3 UT	145 T	8.6 UT	7.5 UT	6.9 UT	145 T	8.6 UT	145 T	6.9 UT
09R006	LWG0109R006TSPMWBC00	29.5 T	185 T	6.3 UT	215 T	5.8 UT	2.1 UT	6.9 UT	215 T	29.5 T	185 T	6.9 UT
09R006	LWG0109R006TSSBFLC00	1.9 N	13	6.2 J	21.1 JT	1 U	1 U	3.1 NJ	24.2 JT	1.9 T	13 T	9.3 JT
09R006	LWG0109R006TSSBWBC00	37.5 T	140 T	6.3 UT	178 T	8.6 UT	7.5 UT	6.9 UT	178 T	37.5 T	140 T	6.9 UT
20R001	LWG0120R001TSBBWBC10	2.2 NJ	12 J	2.2 NJ	16.4 JT	2 N	1 U	2 N	20.4 JT	4.2 JT	12 JT	4.2 JT
20R001	LWG0120R001TSBBWBC20	2.8 NJ	37 J	6 NJ	45.8 JT	1.7 NJ	1 U	4.5 N	52 JT	4.5 JT	37 JT	10.5 JT
20R001	LWG0120R001TSSBWBC10	4.7 NJ	32 J	13 J	49.7 JT	1.6 U	1.5 U	7.2 NJ	56.9 JT	4.7 JT	32 JT	20.2 JT
20R001	LWG0120R001TSSBWBC20	10 NJ	60 J	27 J	97 JT	7.4 NJ	1.7 U	16 NJ	120 JT	17.4 JT	60 JT	43 JT
20R001	LWG0120R001TSSBWBC30	9.8 NJ	55 J	24 J	88.8 JT	4.7 NJ	2 U	11 NJ	105 JT	14.5 JT	55 JT	35 JT
28R001	LWG0128R001TSBBWBC00	2.3 NJ	12 J	2.1 NJ	16.4 JT	1 U	1 U	1.6 N	18 JT	2.3 JT	12 JT	3.7 JT
28R001	LWG0128R001TSSBWBC10	10 NJ	47 J	12 J	69 JT	2.8 NJ	2.4 U	5.7 NJ	77.5 JT	12.8 JT	47 JT	17.7 JT
28R001	LWG0128R001TSSBWBC20	9.6 NJ	59 J	14 J	82.6 JT	2.2 U	1.5 U	6.6 NJ	89.2 JT	9.6 JT	59 JT	20.6 JT
28R001	LWG0128R001TSSBWBC30	8 NJ	39 J	8.8 J	55.8 JT	1.9 U	1 U	4.3 NJ	60.1 JT	8 JT	39 JT	13.1 JT
FZ0306	LWG01FZ0306TSBBFLC10	2.1 J	11	5.1 J	18.2 JT	1.1 NJ	1 UJ	2.6 N	21.9 JT	3.2 JT	11 T	7.7 JT
FZ0306	LWG01FZ0306TSBBFLC20	2.7 J	9.9 J	3.9 J	16.5 JT	1 U	1 U	1.7 N	18.2 JT	2.7 JT	9.9 JT	5.6 JT
FZ0306	LWG01FZ0306TSBBFLC30	3.8 J	15 J	4.6 J	23.4 JT	1 U	1 U	2.5 J	25.9 JT	3.8 JT	15 JT	7.1 JT
FZ0306	LWG01FZ0306TSBBWBC10	6.9 J	32	5.3 J	44.2 JT	1.6 U	1 UJ	3.3 N	47.5 JT	6.9 JT	32 T	8.6 JT
FZ0306	LWG01FZ0306TSBBWBC20	9 NJ	70	15 N	94 JT	2.2 U	1.6 UJ	8.1 NJ	102 JT	9 JT	70 T	23.1 JT
FZ0306	LWG01FZ0306TSBBWBC30	7.4 J	42 J	24	73.4 JT	1.9 U	1 UJ	14 N	87.4 JT	7.4 JT	42 JT	38 T
FZ0306	LWG01FZ0306TSBCFLC10	1.8 J	5.5	1.5 J	8.8 JT	1 U	1 U	1 U	8.8 JT	1.8 JT	5.5 T	1.5 JT
FZ0306	LWG01FZ0306TSBCFLC20	2.4 J	6.5	1.5 J	10.4 JT	1 U	1 U	1 U	10.4 JT	2.4 JT	6.5 T	1.5 JT
FZ0306	LWG01FZ0306TSBCWBC10	7.9 J	38	8.6 J	54.5 JT	3.1 U	1 U	4.7 NJ	59.2 JT	7.9 JT	38 T	13.3 JT
FZ0306	LWG01FZ0306TSBCWBC20	11 J	37 J	10 J	58 JT	3.7 U	1.1 U	5 NJ	63 JT	11 JT	37 JT	15 JT
FZ0306	LWG01FZ0306TSCPFLC10	33.5 JT	98.5 JT	6.3 UT	132 JT	8.6 UT	4 UJT	6.9 UT	132 JT	33.5 JT	98.5 JT	6.9 UT
FZ0306	LWG01FZ0306TSCPFLC20	23 NJ	87 J	39 NJ	149 JT	9.4 U	4 U	24 N	173 JT	23 JT	87 JT	63 JT
FZ0306	LWG01FZ0306TSCPFLC30	38 JT	135 JT	6.3 UT	173 JT	8.6 UT	4 UT	6.9 UT	173 JT	38 JT	135 JT	6.9 UT
FZ0306	LWG01FZ0306TSCPWBC10	27 J	81 J	24 J	132 JT	19 NJ	1 U	23 NJ	174 JT	46 JT	81 JT	47 JT
FZ0306	LWG01FZ0306TSCPWBC20	89.5 JT	260 JT	6.3 UT	350 JT	81.5 JT	7.5 UT	6.9 UT	431 JT	171 JT	260 JT	6.9 UT
FZ0306	LWG01FZ0306TSCPWBC30	38 JT	105 JT	6.3 UT	143 JT	8.6 UT	1 UT	6.9 UT	143 JT	38 JT	105 JT	6.9 UT
FZ0609	LWG01FZ0609TSBBFLC10	1.4 N	6.6 J	8.4 J	16.4 JT	1.4 NJ	1 U	3.1 NJ	20.9 JT	2.8 JT	6.6 JT	11.5 JT
FZ0609	LWG01FZ0609TSBBFLC20	6.1 UT	12 JT	6.3 UT	12 JT	8.6 UT	7.5 UT	6.9 UT	12 JT	8.6 UT	12 JT	6.9 UT
FZ0609	LWG01FZ0609TSBBFLC30	6.1 UT	26.5 JT	6.3 UT	26.5 JT	8.6 UT	4 UT	4.8 UT	26.5 JT	8.6 UT	26.5 JT	6.3 UT
FZ0609	LWG01FZ0609TSBBWBC10	8 JT	29.5 JT	6.3 UT	37.5 JT	8.6 UT	7.5 UT	6.9 UT	37.5 JT	8 JT	29.5 JT	6.9 UT
FZ0609	LWG01FZ0609TSBBWBC20	12	53 NJ	25	90 JT	3.4 U	1.3 UJ	8.1 NJ	98.1 JT	12 T	53 JT	33.1 JT
FZ0609	LWG01FZ0609TSBBWBC30	13	58	46	117 T	12 NJ	4 U	12 NJ	141 JT	25 JT	58 T	58 JT
FZ0609	LWG01FZ0609TSBCFLC10	2.7 J	7.8	2.1 J	12.6 JT	1 U	1 U	1.1 NJ	13.7 JT	2.7 JT	7.8 T	3.2 JT
FZ0609	LWG01FZ0609TSBCFLC20	2 N	7.1	2.3 NJ	11.4 JT	1 U	1 U	1.1 NJ	12.5 JT	2 T	7.1 T	3.4 JT
FZ0609	LWG01FZ0609TSBCWBC10	11 J	67	15 J	93 JT	2 U	1.1 U	6.6 NJ	99.6 JT	11 JT	67 T	21.6 JT
FZ0609	LWG01FZ0609TSBCWBC20	18.5 JT	80.5 T	6.3 UT	99 JT	3 UT	1 UT	6.9 UT	99 JT	18.5 JT	80.5 T	6.9 UT
FZ0609	LWG01FZ0609TSCPFLC10	26.5 JT	73 JT	6.3 UT	99.5 JT	8.6 UT	7.5 UT	6.9 UT	99.5 JT	26.5 JT	73 JT	6.9 UT
FZ0609	LWG01FZ0609TSCPFLC20	63.5 T	91.5 T	6.3 UT	155 T	16 JT	4 UT	6.9 UT	171 JT	79.5 JT	91.5 T	6.9 UT
FZ0609	LWG01FZ0609TSCPFLC30	43.5 JT	83.5 T	6.3 UT	127 JT	11 JT	7.5 UT	6.9 UT	138 JT	54.5 JT	83.5 T	6.9 UT
FZ0609	LWG01FZ0609TSCPWBC10	22.6 JT	145 T	6.3 UT	168 JT	8.6 UT	4 UJT	6.9 UT	168 JT	22.6 JT	145 T	6.9 UT
FZ0609	LWG01FZ0609TSCPWBC20	57.5 JT	130 T	6.3 UT	188 JT	8.6 UT	5 UJT	6.9 UT	188 JT	57.5 JT	130 T	6.9 UT
FZ0609	LWG01FZ0609TSCPWBC30	44 JT	91.5 JT	6.3 UT	136 JT	20.8 JT	7.5 UT	6.9 UT	156 JT	64.8 JT	91.5 JT	6.9 UT
02R102	LWG1A02R102TSSCWBC00	4.6 N	20	4.4 N	29 T	1 U	1 U	1.7 NJ	30.7 JT	4.6 T	20 T	6.1 JT
02R112	LWG1A02R112TSSCWBC00	6 JT	24 T	19 UT	30 JT	1.3 UT	1 UT	9.2 JT	39.2 JT	6 JT	24 T	9.2 JT
02R113	LWG1A02R113TSSCWBC00	5.2 JT	19 T	19 UT	24.2 JT	1 UT	1 UT	19 UT	24.2 JT	5.2 JT	19 T	19 UT
03R118	LWG1A03R118TSSCWBC00	4.2 J	19	6.4 J	29.6 JT	1 U	1 U	2.9 NJ	32.5 JT	4.2 JT	19 T	9.3 JT
03R125	LWG1A03R125TSSCWBC00	6.3 J	21	7.6 J	34.9 JT	1 U	1 U	3.2 NJ	38.1 JT	6.3 JT	21 T	10.8 JT
04R126	LWG1A04R126TSSCWBC00	8.1 J	24	7.4 J	39.5 JT	1.4 U	1 U	3.3 J	42.8 JT	8.1 JT	24 T	10.7 JT
26R111	LWG1A26R111TSSCWBC00	1 UJ	7.2	1.3 J	8.5 JT	1 U	1 U	1 UJ	8.5 JT	1 UJT	7.2 T	1.3 JT
WR-PG-Ref03	WLCDRD050184G	0.69 J	1.2 J	1.9	3.79 T	0.32 U	1.2 U	2.1 J	5.89 JT	0.69 JT	1.2 JT	4 JT
WR-PG-Ref03	WLCDRD050187G	0.96 J	6.1	0.2 U	7.06 T	0.32 U	0.56 J	3.7	11.3 JT	0.96 JT	6.66 JT	3.7 T
WR-VC-11	WLCDRD05WRVC011Clam	0.87 NJ	1.2	1.4	3.47 T	0.61 U	1 U	1.5 U	3.47 JT	0.87 JT	1.2 T	1.4 T

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Table C2-56. 2,4' and 4,4' DDx Values Used in Total DDx Calculations for Tissue Samples.

	CAS No	72-54-8	72-55-9	50-29-3	PP_DDT3ISO	53-19-0	3424-82-6	789-02-6	E966176	E17075011	E17075029	E17075037
	Chemical Name	4,4'-DDD	4,4'-DDE	4,4'-DDT	Total of 4,4'-DDD, -DDE, -DDT	2,4'-DDD	2,4'-DDE	2,4'-DDT	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	Total of 2,4' and 4,4'-DDD	Total of 2,4' and 4,4'-DDE	Total of 2,4' and 4,4'-DDT
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
WR-VC-11	WLCDRD05WRVC011Worm	6.8	16	4.7 NJ	27.5 T	5.1 J	1 U	3.2 J	35.8 JT	11.9 JT	16 T	7.9 JT
WR-VC-28	WLCDRD05WRVC028Clam	1.6 J	1.2	1.5	4.3 T	1.5 U	1.1 U	1.6 U	4.3 JT	1.6 JT	1.2 T	1.5 T
WR-VC-28	WLCDRD05WRVC028Worm	27 J	29	8.3 NJ	64.3 T	14 J	2.7 U	5.1 J	83.4 JT	41 JT	29 T	13.4 JT
WR-VC-29	WLCDRD05WRVC029Clam	0.77 NJ	1.2	1.3	3.27 T	0.45 U	0.93 U	1.4 U	3.27 JT	0.77 JT	1.2 T	1.3 T
WR-VC-29	WLCDRD05WRVC029Worm	6.7 J	19	3.2 J	28.9 T	4.1	1.5 U	2.4 NJ	35.4 JT	10.8 JT	19 T	5.6 JT
WR-VC-43	WLCDRD05WRVC043Clam	0.7 J	1.1	1.5	3.3 T	0.47 U	1 U	1.5 U	3.3 JT	0.7 JT	1.1 T	1.5 T
WR-VC-43	WLCDRD05WRVC043Worm	4.3	13	3.1 NJ	20.4 T	3.2	1 U	3.1 J	26.7 JT	7.5 T	13 T	6.2 JT
WR-VC-46	WLCDRD05WRVC046Clam	1.8 J	1.2	1.4	4.4 T	1.9 U	0.8 U	1.5 U	4.4 JT	1.8 JT	1.2 T	1.4 T
WR-VC-46	WLCDRD05WRVC046Worm	19	15	2.6 NJ	36.6 T	9.3	2 U	3.1 NJ	49 JT	28.3 T	15 T	5.7 JT
WR-VC-57	WLCDRD05WRVC057Clam	0.71 NJ	1.2	1.7	3.61 T	1.3 U	1 U	1.8 J	5.41 JT	0.71 JT	1.2 T	3.5 JT
WR-VC-57	WLCDRD05WRVC057Worm	2.6 J	11	10 NJ	23.6 T	7.9 NJ	3.8 U	5.3 NJ	36.8 JT	10.5 JT	11 T	15.3 JT
WR-VC-66	WLCDRD05WRVC066Clam	4.7	2.3 J	1.5	8.5 T	2 U	0.98 U	1.7 U	8.5 JT	4.7 T	2.3 JT	1.5 T
WR-VC-66	WLCDRD05WRVC066Worm	98	38 J	3.9 J	139.9 T	23 J	4.6 J	4 J	172 JT	121 JT	42.6 JT	7.9 JT
WR-VC-72	WLCDRD05WRVC072Clam	3.6	1.6 J	1.3	6.5 T	1.9 J	1.1 U	1.6 U	8.4 JT	5.5 JT	1.6 JT	1.3 T
WR-VC-72	WLCDRD05WRVC072Worm	210	71 J	6.1 J	287.1 T	99	6.9 U	7.7	394 JT	309 T	71 JT	13.8 JT
WR-VC-108	WLCDRD05WRVC108Clam	1.2 J	1.4 J	1.7	4.3 T	0.89 U	0.88 U	1.7 U	4.3 JT	1.2 JT	1.4 JT	1.7 T
WR-VC-108	WLCDRD05WRVC108Worm	11	17	16 J	44 T	7.3 U	5.5 U	14	58 JT	11 T	17 T	30 JT
WR-VC-118	WLCDRD05WRVC118Clam	0.85 NJ	1.2	1.3	3.35 T	1 U	1.1 U	1.3 U	3.35 JT	0.85 JT	1.2 T	1.3 T
WR-VC-118	WLCDRD05WRVC118Worm	3.8 J	13	3.7 J	20.5 T	3.9 J	1 U	2.9 J	27.3 JT	7.7 JT	13 T	6.6 JT
Clackamas Fish Hatcher	WLTASE03CFH03254200	1.7 U	11 J	1 J	12 J	1 U	0.91 U	0.91 U	12 JT	1.7 UT	11 JT	1 JT
Clackamas Fish Hatcher	WLTASE03CFH03254201	3.6 U	8.9 J	2	10.9 J	0.92 U	0.92 U	1.9 U	10.9 JT	3.6 UT	8.9 JT	2 T
Clackamas Fish Hatcher	WLTASE03CFH03254202	1.7 U	3.6 U	1.1 U	3.6 U	0.91 U	0.91 U	0.91 U	3.6 UT	1.7 UT	3.6 UT	1.1 UT
Clackamas Fish Hatcher	WLTASE03CFH03254220	2.2 U	5.4 J	3.8 U	5.4 J	0.94 U	3.8 U	1.4 U	5.4 JT	2.2 UT	5.4 JT	3.8 UT
Clackamas Fish Hatcher	WLTASE03CFH03254221	2.7 U	7.9 J	1.8 U	7.9 J	0.93 U	0.93 U	1.7 U	7.9 JT	2.7 UT	7.9 JT	1.8 UT
Clackamas Fish Hatcher	WLTASE03CFH03254222	2.6 U	6.1 J	1.4 U	6.1 J	0.96 U	0.96 U	1.4 U	6.1 JT	2.6 UT	6.1 JT	1.4 UT
Clackamas Fish Hatcher	WLTASE03CFH03254223	1.6 UT	6.25 JT	1.4 UT	6.25 JT	0.91 UT	0.91 UT	1.35 JT	7.6 JT	1.6 UT	6.25 JT	1.35 JT
RM 3.5-9.2	WLTASE03ISA03334750	0.91 UT	27.5 JT	12 JT	39.5 JT	1.1 UT	0.96 UT	3.9 UT	39.5 JT	1.1 UT	27.5 JT	12 JT
RM 3.5-9.2	WLTASE03ISA03334751	8.1 U	28 J	10 J	38 J	0.95 U	1.9 U	0.95 U	38 JT	8.1 UT	28 JT	10 JT
RM 3.5-9.2	WLTASE03ISA03354100	24 U	94 J	28 J	122 J	3.3 U	0.91 U	6.6 U	122 JT	24 UT	94 JT	28 JT
RM 3.5-9.2	WLTASE03ISA03354101	15 U	51 J	13 J	64 J	1.7 U	2.2 U	19 U	64 JT	15 UT	51 JT	13 JT
RM 3.5-9.2	WLTASE03ISA03354102	10 U	51 J	74 J	125 J	4.7 U	0.44 U	0.23 U	125 JT	10 UT	51 JT	74 JT
Willamette Falls	WLTASE03WF03214300	7 UJ	23 UJ	4.4 UJ	23 UJ	1.6 UJ	0.84 UJ	2.1 UJ	23 UJT	7 UJT	23 UJT	4.4 UJT
Willamette Falls	WLTASE03WF03214301	8.6 UJ	28 UJ	5.2 UJ	28 UJ	1.6 UJ	1.7 UJ	2 UJ	28 UJT	8.6 UJT	28 UJT	5.2 UJT
Willamette Falls	WLTASE03WF03214302	8.8 UJ	27 UJ	5.7 UJ	27 UJ	2.3 UJ	0.93 UJ	3.3 UJ	27 UJT	8.8 UJT	27 UJT	5.7 UJT
Willamette Falls	WLTASE03WF03214303	8.4 UJ	24 UJ	5.2 UJ	24 UJ	2.1 UJ	0.91 UJ	1.2 UJ	24 UJT	8.4 UJT	24 UJT	5.2 UJT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
FC001	LW2-BTFC001	0.759	0.565	0.057 J	0.379 J	1.04	2.8 JT
FC002	LW2-BTFC002	0.986	0.709	0.0628 U	0.436 J	1.35	3.48 JT
FC003	LW2-BTFC003	0.655	0.471	0.0513 J	0.301 J	0.932	2.41 JT
FC004	LW2-BTFC004	0.773	0.556	0.0582 J	0.336 J	0.981	2.7 JT
FC005	LW2-BTFC005	0.937	0.679	0.0602 J	0.381 J	1.09	3.15 JT
FC0061	LW2-BTFC006 Rep 1	0.798 T	0.618 T	0.0447 JT	0.314 JT	0.875 T	2.65 JT
FC007	LW2-BTFC007	0.717	0.511	0.0626 J	0.353 J	0.938	2.58 JT
FC008	LW2-BTFC008	0.671	0.514	0.0454 J	0.316 J	0.929	2.48 JT
FC010	LW2-BTFC010	0.763	0.549	0.0587 J	0.333 J	0.967	2.67 JT
FC011	LW2-BTFC011	0.959	0.708	0.0825 J	0.449 J	1.21	3.41 JT
FC012	LW2-BTFC012	1 J	0.705 J	0.0788 U	0.437 J	1.18	3.32 JT
FC013	LW2-BTFC013	1.65	1.2	0.0524 J	0.549	1.13	4.58 JT
FC014	LW2-BTFC014	0.923	0.682	0.0663 J	0.404 J	1.2	3.28 JT
FC015	LW2-BTFC015	1.04	0.77	0.0838 J	0.474 J	1.29	3.66 JT
FC016	LW2-BTFC016	0.826	0.607	0.0628 J	0.394 J	1.05	2.94 JT
FC017	LW2-BTFC017	2.96	2.37	0.105 J	1.04	3.38	9.86 JT
FC018	LW2-BTFC018	0.973	0.75	0.0624 J	0.443 J	1.2	3.43 JT
FC019	LW2-BTFC019	0.825	0.618	0.0613 J	0.392 J	1.05	2.95 JT
FC020	LW2-BTFC020	1.49	1.13	0.0941 U	0.633	1.78	5.03 T
FC021	LW2-BTFC021	0.881	0.709	0.0515 J	0.392 J	1.22	3.25 JT
FC022	LW2-BTFC022	1.31	0.911	0.101 J	0.587 J	1.61	4.52 JT
FC024	LW2-BTFC024	1.39	1.08	0.085 J	0.508	1.49	4.55 JT
FC025	LW2-BTFC025	1.54	1.35	0.0806 J	0.547	1.61	5.13 JT
FC026	LW2-BTFC026	1.24	0.942	0.0839 J	0.575	1.52	4.36 JT
FC0271	LW2-BTFC027 Rep 1	0.691 T	0.485 JT	0.0552 JT	0.319 JT	0.915 T	2.47 JT
FC028	LW2-BTFC028	5.12	5.57	0.099 J	1.08	4.15	16 JT
FC029	LW2-BTFC029	1.89	1.5	0.101 J	0.759	2.06	6.31 JT
FC030	LW2-BTFC030	1.26	0.944	0.0851 J	0.508	1.45	4.25 JT
FC031	LW2-BTFC031	0.88	0.602	0.081 J	0.403 J	1.22	3.19 JT
FC032	LW2-BTFC032	1.67 J	1.43 J	1.13 U	0.719 J	1.93 J	5.75 JT
FC033	LW2-BTFC033	0.716	0.556	0.0559 U	0.284 J	0.873	2.43 JT
BT001	LW2-BTLC001	0.569	0.337 J	0.0451 U	0.342 J	0.877	2.13 JT
BT002	LW2-BTLC002	0.82	0.455	0.0689 J	0.405 J	1.13	2.88 JT
BT003	LW2-BTLC003	0.554	0.318 J	0.0427 U	0.262 J	0.782	1.92 JT
BT004	LW2-BTLC004	0.48 J	0.295 J	0.042 J	0.257 J	0.739	1.81 JT
BT005	LW2-BTLC005	0.461	0.312 J	0.0387 J	0.27 J	0.731	1.81 JT
BT0061	LW2-BTLC006-1	0.621	0.36 J	0.0476 J	0.319 J	0.884	2.23 JT
BT0062	LW2-BTLC006-2	0.529	0.328 J	0.0393 J	0.277 J	0.798	1.97 JT
BT007	LW2-BTLC007	1.2	0.762	0.104 J	0.742	2.19	5 JT
BT008	LW2-BTLC008	1.22	0.832	0.0926 J	0.637	1.99	4.77 JT
BT009	LW2-BTLC009	0.553	0.344 J	0.0448 J	0.291 J	0.847	2.08 JT
BT010	LW2-BTLC010	0.772	0.477	0.0444 J	0.35 J	0.96	2.6 JT
BT011	LW2-BTLC011	0.494	0.293 J	0.0459 J	0.265 J	0.741	1.84 JT
BT012	LW2-BTLC012	0.534	0.317 J	0.0468 J	0.29 J	0.834	2.02 JT
BT013	LW2-BTLC013	0.485	0.309 J	0.0514 J	0.261 J	0.759	1.87 JT
BT014	LW2-BTLC014	0.665	0.357 J	0.0651 J	0.348 J	1.04	2.48 JT
BT015	LW2-BTLC015	0.741	0.431 J	0.0592 J	0.402 J	1.08	2.71 JT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
BT016	LW2-BTLC016	0.665	0.395 J	0.0609 U	0.357 J	0.965	2.38 JT
BT017	LW2-BTLC017	2.02	1.54	0.157 J	0.985	3	7.7 JT
BT018	LW2-BTLC018	0.535	0.332 J	0.0326 U	0.275 J	0.749	1.89 JT
BT019	LW2-BTLC019	0.783	0.452 J	0.0543 J	0.39 J	1.16	2.84 JT
BT020	LW2-BTLC020	1.34	0.877	0.135 J	0.765	2.55	5.67 JT
BT021	LW2-BTLC021	0.438 J	0.303 J	0.0339 U	0.238 J	0.774	1.75 JT
BT022	LW2-BTLC022	1.07	0.785	0.0779 J	0.673	1.85	4.46 JT
BT023	LW2-BTLC023	0.827	0.467	0.0611 J	0.493	1.2	3.05 JT
BT024	LW2-BTLC024	1.39	0.94	0.122 J	0.761	2.28	5.49 JT
BT025	LW2-BTLC025	0.616	0.409 J	0.0456 J	0.314 J	0.908	2.29 JT
BT026	LW2-BTLC026	0.414 J	0.26 J	0.0493 J	0.234 J	0.657	1.61 JT
BT0271	LW2-BTLC027-1	0.533	0.339 J	0.0609 J	0.328 J	0.993	2.25 JT
BT0272	LW2-BTLC027-2	0.549	0.364 J	0.0478 U	0.281 J	0.933	2.13 JT
BT028	LW2-BTLC028	2.29	2.81	0.0583 J	0.498	1.55	7.21 JT
BT029	LW2-BTLC029	0.569	0.363 J	0.0387 J	0.28 J	0.892	2.14 JT
BT030	LW2-BTLC030	0.763	0.512	0.0692 J	0.411 J	1.31	3.07 JT
BT031	LW2-BTLC031	0.665	0.431 J	0.0537 J	0.388 J	1.13	2.67 JT
BT032	LW2-BTLC032	0.641	0.437 J	0.0606 J	0.336 J	1.03	2.5 JT
BT033	LW2-BTLC033	0.719	0.428 J	0.0593 J	0.382 J	1.2	2.79 JT
BT001	LW2-BTLW001	1.47	0.921	0.0177 U	0.378 J	0.635	3.4 JT
BT002	LW2-BTLW002	1.05	0.662	0.03 U	0.271 J	0.589	2.57 JT
BT003	LW2-BTLW003	0.749	0.438 J	0.048 J	0.218 J	0.435 J	1.89 JT
BT004	LW2-BTLW004	0.977	0.558 J	0.048 J	0.31 J	0.597	2.49 JT
BT005	LW2-BTLW005	1.04	0.794	0.026 J	0.32 J	0.59	2.77 JT
BT0061	LW2-BTLW006-1	1.06	0.807	0.03 J	0.301 J	0.643	2.84 JT
BT0062	LW2-BTLW006-2	1.04	0.923	0.033 J	0.327 J	0.667	2.99 JT
BT007	LW2-BTLW007	2.15	1.48	0.0534 J	0.623	1.24	5.55 JT
BT008	LW2-BTLW008	0.928	0.675	0.0145 J	0.276 J	0.575	2.47 JT
BT009	LW2-BTLW009	2.32	1.63	0.031 J	0.707 J	1.2	5.89 JT
BT010	LW2-BTLW010	8.18	5.39	0.038 J	1.93	3.58	19.1 JT
BT011	LW2-BTLW011	1.02	0.686	0.023 J	0.312 J	0.641	2.68 JT
BT012	LW2-BTLW012	1.45	1.49	0.0668 U	0.633	0.744	4.32 T
BT013	LW2-BTLW013	1.38	0.995	0.0396 J	0.374 J	0.725	3.51 JT
BT014	LW2-BTLW014	1.16	0.849	0.042 U	0.377 J	0.625	3.01 JT
BT015	LW2-BTLW015	0.919	0.721	0.0154 J	0.295 J	0.591	2.54 JT
BT016	LW2-BTLW016	1.81	1.13	0.00788 U	0.467	0.793	4.2 T
BT017	LW2-BTLW017	0.0749 U	0.0304 U	0.334 J	1.89	5.54	7.76 JT
BT018	LW2-BTLW018	1.4	1.37	0.0671 U	0.39 J	0.877	4.04 JT
BT019	LW2-BTLW019	1.33	0.868	0.0445 U	0.374 J	0.732	3.3 JT
BT020	LW2-BTLW020	1.55	1.3	0.0333 J	0.459 J	0.972 J	4.31 JT
BT021	LW2-BTLW021	1.29	1.15	0.0366 J	0.371 J	0.739	3.59 JT
BT022	LW2-BTLW022	1.4	1.17	0.0178 U	0.449 J	0.798	3.82 JT
BT023	LW2-BTLW023	2.14	1.65	0.0439 U	0.77	1.36	5.92 T
BT024	LW2-BTLW024	2.32	1.75	0.0321 J	0.639	1.05	5.79 JT
BT025	LW2-BTLW025	3.89	3.02	0.0197 U	0.956	1.83	9.7 T
BT026	LW2-BTLW026	1.22	0.926	0.03 U	0.396 J	0.748	3.29 JT
BT0271	LW2-BTLW027-1	1.09	0.775	0.0357 J	0.343 J	0.656	2.9 JT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
BT0272	LW2-BTLW027-2	0.947	0.646	0.0309 J	0.288 J	0.517	2.43 JT
BT028	LW2-BTLW028	28.6	30.5	0.0964 U	2.98	9.8	71.9 T
BT029	LW2-BTLW029	2.47	1.83	0.0264 J	0.609	1.41	6.35 JT
BT030	LW2-BTLW030	1.7	1.22	0.0569 J	0.54	1.21	4.73 JT
BT031	LW2-BTLW031	1.11	0.733	0.0299 J	0.317 J	0.656	2.85 JT
BT032	LW2-BTLW032	3.86	3.12	0.0922 J	0.866	2.3	10.2 JT
BT033	LW2-BTLW033	1.15	0.785	0.0197 J	0.302 J	0.68	2.94 JT
MIT001	LW2-MIT001	0.373	0.312	0.0375 J	0.163	0.452	1.34 JT
MIT002	LW2-MIT002	0.0977	0.0686	0.0204 U	0.0405 J	0.106	0.313 JT
MIT356	LW2-MIT003/005/006	0.6	0.466	0.0614 J	0.24	0.697	2.06 JT
MIT004	LW2-MIT004	0.216	0.139	0.0573 U	0.0954 J	0.291	0.741 JT
MIT007	LW2-MIT007	0.186 J	0.114 J	0.0682 U	0.0833 J	0.256 J	0.639 JT
MIT810	LW2-MIT008/010	0.451	0.389	0.132	0.181	0.587	1.74 T
MIT009	LW2-MIT009	0.159	0.127	0.183	0.0812 J	0.302	0.852 JT
T01	LW2-T01 SC	0.183 J	0.126 J	0.379 U	0.124 J	0.647	1.08 JT
T01	LW2-T01-NOAA SC	0.309 J	0.262 J	0.172 J	0.137 J	0.452 J	1.33 JT
T01	LW2-T01-REP1	0.12 U	2.1 U	0.42 U	17 U	0.7 J	0.7 JT
T01	LW2-T01-REP2	0.12 U	1.8 U	0.41 U	0.27 U	1.2	1.2 T
T01	LW2-T01-REP3	0.29 U	1.4 U	0.4 U	1.1 U	1.1 J	1.1 JT
T02	LW2-T02 SC	1.39	1.09	0.427 J	0.416 J	1.29	4.61 JT
T02	LW2-T02-NOAA SC	0.891	0.7 J	0.663 U	0.412 J	1.37	3.37 JT
T02	LW2-T02-REP1	0.85 NJ	3.1 U	0.41 U	2.5 U	1.2 U	0.85 JT
T02	LW2-T02-REP2	0.59 NJ	2.8 U	0.42 U	3.1 U	1.3 U	0.59 JT
T02	LW2-T02-REP3	0.73 U	2.7 U	0.41 U	8.8 U	1.8 U	8.8 UT
T03	LW2-T03 SC	0.358 J	0.13 J	0.868	0.301 J	1.32	2.98 JT
T03	LW2-T03-REP1	0.24 J	2.9	0.42 U	1.1 U	0.78 J	3.92 JT
T03	LW2-T03-REP2	0.23 J	2.4	0.42 U	1.1 U	0.84 J	3.47 JT
T03	LW2-T03-REP3	0.26 J	4	0.41 U	1.1 U	0.76 J	5.02 JT
T04	LW2-T04 SC	0.267	0.151 J	0.58	0.244	1.02	2.26 JT
T04	LW2-T04-REP1	0.56 J	0.56 NJ	0.45 U	1.1 U	1.9	3.02 JT
T04	LW2-T04-REP2	0.34 J	0.73 NJ	0.41 U	0.26 U	1 J	2.07 JT
T04	LW2-T04-REP3	0.37 J	0.51 NJ	0.42 U	0.27 U	1.3	2.18 JT
02R001	LWG0102R001TSCRWBC00	1 U	1.1 NJ	1 UJ	1 UJ	1 UJ	1.1 JT
02R001	LWG0102R001TSSPWBC00	4 U	4 UT	4 UT	7.1 UT	8.2 UT	8.2 UT
02R015	LWG0102R015TSCRWBC00	1 U	1.3 NJ	1 UJ	1 UJ	1 UJ	1.3 JT
02R015	LWG0102R015TSSPWBC00	4 U	8.4 UT	4.6 UT	7.1 UT	9 UT	9 UT
03R001	LWG0103R001TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
03R001	LWG0103R001TSSPWBC00	4.4 NJ	1.5 U	1 U	3.6 UJ	5.5 NJ	9.9 JT
03R002	LWG0103R002TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
03R002	LWG0103R002TSSPWBC10	5 NJ	4.4 NJ	1 U	4.9 UJ	5 NJ	14.4 JT
03R002	LWG0103R002TSSPWBC20	4.1 NJ	1 U	1 U	5.1 U	6.5 NJ	10.6 JT
03R003	LWG0103R003TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
03R004	LWG0103R004TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
03R004	LWG0103R004TSSPWBC10	3.9 U	1 U	1.9 U	3.5 U	3.1 U	3.9 UT
03R004	LWG0103R004TSSPWBC20	4.4 U	2.1 U	1.3 U	6.3 U	3.5 U	6.3 UT
03R005	LWG0103R005TSCRWBC00	1 U	1 N	1 UJ	1 UJ	1 UJ	1 T
03R005	LWG0103R005TSSPWBC00	2.7 U	1 U	1 U	6.4 U	3.7 U	6.4 UT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
03R014	LWG0103R014TSLSWBC10	4 U	8.4 UT	4 UT	7.1 UT	9.4 UT	9.4 UT
03R014	LWG0103R014TSLSWBC20	4 U	4 U	4 U	17 U	9.6 NJ	9.6 JT
03R014	LWG0103R014TSNPWBC10	9.9 U	8.4 UT	9.9 UT	7.1 UT	11 UT	11 UT
03R014	LWG0103R014TSNPWBC20	6.4 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
03R014	LWG0103R014TSPMWBC00	2.4 U	1 UT	1 UT	5.7 UT	11 UT	11 UT
03R014	LWG0103R014TSSBFLC00	1 U	2.4 U	1 U	2.9 U	4.1 NJ	4.1 JT
03R014	LWG0103R014TSSBWBC00	4.4 U	8.4 UT	4 UT	7.1 UT	11 UT	11 UT
03R032	LWG0103R032TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
03R032	LWG0103R032TSSPWBC00	4 NJ	2.5 U	1 U	5.1 U	5.6 NJ	9.6 JT
03R034	LWG0103R034TSSPWBC00	4 U	4 UT	4 UT	4.4 UT	4 UT	4.4 UT
04R002	LWG0104R002TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
04R002	LWG0104R002TSSPWBC00	3.4 N	1.7 U	1 U	4.6 U	5.2 NJ	8.6 JT
04R003	LWG0104R003TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
04R003	LWG0104R003TSSPWBC00	3.7 NJ	1.6 U	1 U	4.1 U	6.1 NJ	9.8 JT
04R004	LWG0104R004TSCRWBC10	1 U	2.7 NJ	1 UJ	1 UJ	1 UJ	2.7 JT
04R004	LWG0104R004TSCRWBC20	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
04R004	LWG0104R004TSSPWBC00	3.7 NJ	1 U	1 U	8.4 U	4.8 N	8.5 JT
04R023	LWG0104R023TSSBWBC10	4 UJ	8.4 UT	4 UJT	7.1 UT	11 UT	11 UT
04R023	LWG0104R023TSSBWBC20	4 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
04R023	LWG0104R023TSSBWBC30	2.8 UJ	1 UJT	1 UT	7.1 UT	11 UT	11 UT
05R001	LWG0105R001TSCRWBC00	1 U	1.9 NJ	1 UJ	1 UJ	1 UJ	1.9 JT
05R001	LWG0105R001TSSPWBC00	2.8 NJ	1.8 UT	1 UT	3.6 UJT	11 UT	2.8 JT
05R003	LWG0105R003TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
05R006	LWG0105R006TSLSWBC00	2 U	1 U	2.3 N	11 U	6.3 NJ	8.6 JT
05R006	LWG0105R006TSNPWBC00	10 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
05R006	LWG0105R006TSPMWBC00	3.4 N	1 UT	1 UT	7.1 UT	11 UT	3.4 T
05R006	LWG0105R006TSSBFLC00	1 U	1.4 U	1 U	2.9 U	2.4 U	2.9 UT
05R006	LWG0105R006TSSBWBC00	2.8 UJ	1 UJT	32 UT	7.1 UT	11 UT	32 UT
05R020	LWG0105R020TSSPWBC00	4 NJ	3.6 U	1 U	7.8 U	4.8 NJ	8.8 JT
06R001	LWG0106R001TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
06R001	LWG0106R001TSSPWBC00	3.9 NJ	3.2 U	1 U	11 U	5 NJ	8.9 JT
06R002	LWG0106R002TSCAWBC00	1 U	1.8 NJ	1 U	1.2 U	2.7 NJ	4.5 JT
06R002	LWG0106R002TSSPWBC10	4 U	4 UT	4 UJT	4 UJT	4 UJT	4 UT
06R002	LWG0106R002TSSPWBC20	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
06R004	LWG0106R004TSCRWBC10	1 U	1 U	1 UJ	1.4 UJ	1 UJ	1.4 UJT
06R004	LWG0106R004TSCRWBC20	1 U	1 U	1 UJ	1.7 UJ	1 UJ	1.7 UJT
06R004	LWG0106R004TSSPWBC00	4 UJ	4 UT	4 UJT	7.1 UT	11 UT	11 UT
06R024	LWG0106R024TSSBFLC00	1 U	1 U	1 U	2.4 U	1.8 NJ	1.8 JT
06R024	LWG0106R024TSSBWBC00	1.2 UJ	1 UJT	1 UT	7.1 UT	11 UT	11 UT
06R031	LWG0106R031TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
07R003	LWG0107R003TSCAWBC00	1 U	1.1 NJ	1 U	12 U	1 U	1.1 JT
07R003	LWG0107R003TSCRWBC00	2 UJ	2 UJ	2 U	2.2 U	2 UJ	2.2 UT
07R003	LWG0107R003TSSPWBC00	2.5 NJ	2.9 UT	1 UT	7.1 UT	11 UT	2.5 JT
07R004	LWG0107R004TSCRWBC00	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UT
07R006	LWG0107R006TSCAWBC00	2.2 N	1 UT	1 UT	7.1 UT	1 UT	2.2 T
07R006	LWG0107R006TSCRWBC00	1 U	1 U	1 U	2.3 U	1 U	2.3 UT
07R006	LWG0107R006TSSPWBC00	16 NJ	1.2 UT	1 UT	7.1 UT	5 UT	16 JT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
07R009	LWG0107R009TSLSWBC00	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
07R009	LWG0107R009TSNPWBC00	19 U	8.4 UT	19 UT	7.1 UT	11 UT	19 UT
07R009	LWG0107R009TSSBWBC10	5.4 NJ	4 UT	4 UT	7.1 UT	11 UT	5.4 JT
07R009	LWG0107R009TSSBWBC20	5.6 NJ	4 UT	4 UT	7.1 UT	11 UT	5.6 JT
07R009	LWG0107R009TSSBWBC30	4 U	4 UT	4 UT	7.1 UT	6.6 UT	7.1 UT
08R001	LWG0108R001TSCRWBC00	1 UJ	1 UJ	1 U	1 U	1 U	1 UJT
08R001	LWG0108R001TSSPWBC00	4 UJ	4 UT	4 UJT	7.1 UT	4 UJT	7.1 UT
08R002	LWG0108R002TSCRWBC00	1 UJ	1 UJ	1 U	1 U	1 U	1 UJT
08R002	LWG0108R002TSSPWBC00	3.6 NJ	1.6 U	1 U	3.3 UJ	5.8 NJ	9.4 JT
08R003	LWG0108R003TSCRWBC00	1 UJ	1 UJ	1 U	1 U	1 U	1 UJT
08R003	LWG0108R003TSSPWBC00	4 U	4 UT	4 UT	4 UT	4 UT	4 UT
08R010	LWG0108R010TSLSWBC00	4 U	4 UT	4 UT	7.1 UT	4 UT	7.1 UT
08R010	LWG0108R010TSNPWBC00	9.8 U	9.8 U	9.8 U	9.8 U	14 U	14 UT
08R010	LWG0108R010TSPMWBC00	1.7 U	2.8 UT	1 UT	5.2 UT	3.6 UT	5.2 UT
08R010	LWG0108R010TSSBWBC10	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
08R010	LWG0108R010TSSBWBC20	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
08R010	LWG0108R010TSSBWBC30	10 U	8.4 UT	10 UT	7.1 UT	10 UT	10 UT
08R032	LWG0108R032TSSBFLC00	1 U	1 U	1 U	1.8 U	3 NJ	3 JT
08R032	LWG0108R032TSSBWBC00	4 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
09R001	LWG0109R001TSCRWBC10	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJT
09R001	LWG0109R001TSCRWBC20	1 UJ	1 UJ	1 U	1.4 U	1 U	1.4 UT
09R001	LWG0109R001TSSPWBC00	4.4 N	4 UT	4 UJT	4 UJT	11 UT	4.4 T
09R002	LWG0109R002TSCRWBC00	1 UJ	1 UJ	1 U	1.8 U	1 U	1.8 UT
09R002	LWG0109R002TSSPWBC00	9.6 U	9.6 U	9.6 U	9.6 U	9.6 U	9.6 UT
09R006	LWG0109R006TSLSWBC00	4.1 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
09R006	LWG0109R006TSNPWBC00	10 U	8.4 UT	10 UT	7.1 UT	11 UT	11 UT
09R006	LWG0109R006TSPMWBC00	3.1 N	5.6 UT	1 UT	7.1 UT	11 UT	3.1 T
09R006	LWG0109R006TSSBFLC00	1 U	1 U	1 U	1.3 U	1 U	1.3 UT
09R006	LWG0109R006TSSBWBC00	4 U	4 UT	4 UT	7.1 UT	11 UT	11 UT
20R001	LWG0120R001TSBBWBC10	1 UJ	1 UJ	1 U	1.3 U	2.1 N	2.1 T
20R001	LWG0120R001TSBBWBC20	1 UJ	1.2 NJ	1 U	2.1 U	2.5 N	3.7 JT
20R001	LWG0120R001TSSBWBC10	1 UJ	2 UJ	1.9 NJ	2.6 U	4 N	5.9 JT
20R001	LWG0120R001TSSBWBC20	2.1 NJ	8.4 UJ	3.7 NJ	8 U	9.2 NJ	15 JT
20R001	LWG0120R001TSSBWBC30	1 UJ	4.6 UJ	3.1 N	7.5 U	7.8 NJ	10.9 JT
28R001	LWG0128R001TSBBWBC00	1 UJ	1 UJ	1 U	1.3 U	1.1 N	1.1 T
28R001	LWG0128R001TSSBWBC10	1 UJ	1.8 UJ	2 NJ	3.6 U	4.6 N	6.6 JT
28R001	LWG0128R001TSSBWBC20	1 UJ	2.2 UJ	1.6 NJ	3.7 U	4.3 NJ	5.9 JT
28R001	LWG0128R001TSSBWBC30	1 UJ	2.1 UJ	1.3 NJ	3.4 U	3.2 N	4.5 JT
FZ0306	LWG01FZ0306TSBBFLC10	1 U	1 U	1 U	1.5 U	1.3 N	1.3 T
FZ0306	LWG01FZ0306TSBBFLC20	1 U	1 U	1 U	1.6 U	1.2 NJ	1.2 JT
FZ0306	LWG01FZ0306TSBBFLC30	1 U	1 U	1 U	2 U	1.6 NJ	1.6 JT
FZ0306	LWG01FZ0306TSBBWBC10	1 U	1 U	1 U	3 UJ	1.8 NJ	1.8 JT
FZ0306	LWG01FZ0306TSBBWBC20	27	25	1 U	11 UJ	15	67 T
FZ0306	LWG01FZ0306TSBBWBC30	1.3 U	1 U	1 U	5.5 UJ	3.7 NJ	3.7 JT
FZ0306	LWG01FZ0306TSBCFLC10	1 U	1 U	1 U	1.2 U	1 U	1.2 UT
FZ0306	LWG01FZ0306TSBCFLC20	1 U	1 U	1 U	1.6 U	1.1 NJ	1.1 JT
FZ0306	LWG01FZ0306TSBCWBC10	3.4 NJ	1 U	2.3 N	5.8 U	3.2 NJ	8.9 JT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
FZ0306	LWG01FZ0306TSBCWBC20	3.5 NJ	1 U	2.2 NJ	6.9 U	3.5 NJ	9.2 JT
FZ0306	LWG01FZ0306TSCPFLC10	4 UJ	4 UT	4 UT	7.1 UT	11 UT	11 UT
FZ0306	LWG01FZ0306TSCPFLC20	4 UJ	4 U	4 U	17 U	4 U	17 UT
FZ0306	LWG01FZ0306TSCPFLC30	4.3 NJ	4 UT	4 UT	7.1 UT	6.3 UT	4.3 JT
FZ0306	LWG01FZ0306TSCPWBC10	2.8 NJ	1 UJ	1.1 NJ	17 U	10 NJ	13.9 JT
FZ0306	LWG01FZ0306TSCPWBC20	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
FZ0306	LWG01FZ0306TSCPWBC30	3.2 NJ	1 UJT	1 UT	7.1 UT	11 UT	3.2 JT
FZ0609	LWG01FZ0609TSBBFLC10	1 U	1 U	1 U	1.1 U	1.6 NJ	1.6 JT
FZ0609	LWG01FZ0609TSBBFLC20	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
FZ0609	LWG01FZ0609TSBBFLC30	4 U	4 UT	4 UT	4 UT	4 UT	4 UT
FZ0609	LWG01FZ0609TSBBWBC10	20 U	8.4 UT	20 UT	7.1 UT	11 UT	20 UT
FZ0609	LWG01FZ0609TSBBWBC20	1.7 NJ	1 U	1 U	8.7 UJ	5.6 NJ	7.3 JT
FZ0609	LWG01FZ0609TSBBWBC30	4 U	4 U	4 UJ	8.8 UJ	4 UJ	8.8 UJT
FZ0609	LWG01FZ0609TSBCFLC10	1 U	1 U	1 U	1.6 U	1 U	1.6 UT
FZ0609	LWG01FZ0609TSBCFLC20	1 U	1 U	1 U	1.5 U	1 U	1.5 UT
FZ0609	LWG01FZ0609TSBCWBC10	1.4 N	3.7 N	1 U	7.3 U	1.8 U	5.1 T
FZ0609	LWG01FZ0609TSBCWBC20	2.1 NJ	1.4 UT	1 UT	7.1 UT	2.2 UT	2.1 JT
FZ0609	LWG01FZ0609TSCPFLC10	20 UJ	8.4 UT	20 UT	7.1 UT	11 UT	20 UJT
FZ0609	LWG01FZ0609TSCPFLC20	4 U	4 UT	4 UT	7.1 UT	4 UT	7.1 UT
FZ0609	LWG01FZ0609TSCPFLC30	9.8 U	8.4 UT	9.8 UT	7.1 UT	9.8 UT	9.8 UT
FZ0609	LWG01FZ0609TSCPWBC10	4 U	4 UT	4 UT	7.1 UT	4.8 UT	7.1 UT
FZ0609	LWG01FZ0609TSCPWBC20	8.3 N	8.4 UT	4 UT	7.1 UT	11 UT	8.3 T
FZ0609	LWG01FZ0609TSCPWBC30	9.9 U	8.4 UT	9.9 UT	7.1 UT	9.9 UT	9.9 UT
02R102	LWG1A02R102TSSCWBC00	1 U	1 U	1 U	2.1 U	1.6 NJ	1.6 JT
02R112	LWG1A02R112TSSCWBC00	1 UT	1 UT	1 UT	3.5 UT	19 UT	19 UT
02R113	LWG1A02R113TSSCWBC00	1 UT	1 UT	1 UT	2.1 UT	19 UT	19 UT
03R118	LWG1A03R118TSSCWBC00	1 UJ	2 NJ	1 U	2.9 U	2.5 NJ	4.5 JT
03R125	LWG1A03R125TSSCWBC00	1.6 N	2.9 NJ	1 U	3.5 U	3.3 NJ	7.8 JT
04R126	LWG1A04R126TSSCWBC00	1.4 N	2.9 NJ	1 U	3.4 U	3.3 NJ	7.6 JT
26R111	LWG1A26R111TSSCWBC00	1 U	1 U	1 U	1 U	1 U	1 UT
WR-PG-Ref03	WLCDRD050184G	1.2	1.7 J	0.89 U	0.96 U	1.7	4.6 JT
WR-PG-Ref03	WLCDRD050187G	0.11 U	1 U	0.39 U	1 U	0.29 U	1 UT
WR-VC-11	WLCDRD05WRVC011Clam	1.2	1.6 J	0.39 U	2 J	1.8	6.6 JT
WR-VC-11	WLCDRD05WRVC011Worm	1.3	4.5	0.39 U	3.8 U	0.7 U	5.8 T
WR-VC-28	WLCDRD05WRVC028Clam	1.5	1.7 J	0.64 U	2.2 U	1.9	5.1 JT
WR-VC-28	WLCDRD05WRVC028Worm	1.8	4 J	0.56 U	5.4 U	1.5 U	5.8 JT
WR-VC-29	WLCDRD05WRVC029Clam	1.7	1.8 J	0.54 U	1.9 J	1.9	7.3 JT
WR-VC-29	WLCDRD05WRVC029Worm	2.1	5.7 J	0.56 U	4.6 U	0.78 U	7.8 JT
WR-VC-43	WLCDRD05WRVC043Clam	1.2	1.6 J	0.39 U	1.9 NJ	1.8	6.5 JT
WR-VC-43	WLCDRD05WRVC043Worm	1.3	3.7	0.39 U	3.4 U	1 U	5 T
WR-VC-46	WLCDRD05WRVC046Clam	1.2	1.5 J	0.39 U	1.9	1.8	6.4 JT
WR-VC-46	WLCDRD05WRVC046Worm	0.93 U	5.4 J	0.65 U	4.9 U	0.32 U	5.4 JT
WR-VC-57	WLCDRD05WRVC057Clam	1.2	1.7 J	0.39 U	1.2 U	1.8	4.7 JT
WR-VC-57	WLCDRD05WRVC057Worm	1.2 U	7	0.39 U	2.8 U	1 U	7 T
WR-VC-66	WLCDRD05WRVC066Clam	1.2	1.6 J	0.39 U	2 NJ	2	6.8 JT
WR-VC-66	WLCDRD05WRVC066Worm	1.3 U	5.1	0.78 J	3.9 U	1 U	5.88 JT
WR-VC-72	WLCDRD05WRVC072Clam	1.5	1.8 J	0.39 U	1.7 U	1.8	5.1 JT

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Table C2-57. Values Used in Total Chlordanes Calculations for Tissue Samples.

	CAS No	5103-71-9	5103-74-2	27304-13-8	5103-73-1	39765-80-5	TOTCHLDANE
	Chemical Name	cis-Chlordane	trans-Chlordane	Oxychlordane	cis-Nonachlor	trans-Nonachlor	Total Chlordanes
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**						
WR-VC-72	WLCDRD05WRVC072Worm	1.6 U	5.7	0.98 J	3.8 U	1.3 U	6.68 JT
WR-VC-108	WLCDRD05WRVC108Clam	1.8	2	0.5 J	2	1.9	8.2 JT
WR-VC-108	WLCDRD05WRVC108Worm	0.69 U	10 J	1.2 U	9.3 U	0.58 U	10 JT
WR-VC-118	WLCDRD05WRVC118Clam	1.6	1.9 J	0.56 U	1.7	2	7.2 JT
WR-VC-118	WLCDRD05WRVC118Worm	1 J	4.4 J	0.39 U	3.5 U	1 U	5.4 JT

Notes:

J - The associated numerical value is an estimated quantity.

N - Presumptive evidence of presence of material; identification of the compound is not definitive.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C2-58. Values Used in Total Endosulfans Calculations for Tissue Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
FC001	LW2-BTFC001	0.121 J	0.147 J	0.567	0.835 JT
FC002	LW2-BTFC002	0.157 J	0.206	0.758	1.12 JT
FC003	LW2-BTFC003	0.106 J	0.129 J	0.482	0.717 JT
FC004	LW2-BTFC004	0.116 J	0.147 J	0.562	0.825 JT
FC005	LW2-BTFC005	0.138 J	0.175 J	0.62	0.933 JT
FC0061	LW2-BTFC006 Rep 1	0.127 JT	0.128 JT	0.486 T	0.741 JT
FC007	LW2-BTFC007	0.105 J	0.139 J	0.528	0.772 JT
FC008	LW2-BTFC008	0.106 J	0.14 J	0.534	0.78 JT
FC010	LW2-BTFC010	0.115 J	0.141 J	0.539	0.795 JT
FC011	LW2-BTFC011	0.152 J	0.184 J	0.711	1.05 JT
FC012	LW2-BTFC012	0.171 J	0.208	0.804	1.18 JT
FC013	LW2-BTFC013	0.0878 J	0.145 J	0.51	0.743 JT
FC014	LW2-BTFC014	0.15 J	0.157 J	0.582	0.889 JT
FC015	LW2-BTFC015	0.16 J	0.164 J	0.723	1.05 JT
FC016	LW2-BTFC016	0.141 J	0.182 J	0.702	1.03 JT
FC017	LW2-BTFC017	0.211	0.235	0.905	1.35 T
FC018	LW2-BTFC018	0.153 J	0.158 J	0.683	0.994 JT
FC019	LW2-BTFC019	0.128 J	0.161 J	0.665	0.954 JT
FC020	LW2-BTFC020	0.208	0.252	0.89	1.35 T
FC021	LW2-BTFC021	0.14 J	0.17 J	0.686	0.996 JT
FC022	LW2-BTFC022	0.211 J	0.252	0.803	1.27 JT
FC024	LW2-BTFC024	0.167 J	0.198	0.868	1.23 JT
FC025	LW2-BTFC025	0.158 J	0.202	0.732	1.09 JT
FC026	LW2-BTFC026	0.223	0.26	0.745	1.23 T
FC0271	LW2-BTFC027 Rep 1	0.114 JT	0.143 JT	0.573 T	0.83 JT
FC028	LW2-BTFC028	0.224	0.248	1	1.47 T
FC029	LW2-BTFC029	0.244	0.262	0.895	1.4 T
FC030	LW2-BTFC030	0.152 J	0.173 J	0.735	1.06 JT
FC031	LW2-BTFC031	0.16 J	0.196	0.782	1.14 JT
FC032	LW2-BTFC032	0.437 U	0.622 U	0.872 J	0.872 JT
FC033	LW2-BTFC033	0.106 J	0.135 J	0.555	0.796 JT
BT001	LW2-BTLC001	0.0239 U	0.0616 U	0.029 U	0.0616 UT
BT002	LW2-BTLC002	0.0238 U	0.0614 U	0.027 U	0.0614 UT
BT003	LW2-BTLC003	0.0462 U	0.119 U	0.033 U	0.119 UT
BT004	LW2-BTLC004	0.0238 U	0.0613 U	0.0203 J	0.0203 JT
BT005	LW2-BTLC005	0.0237 U	0.0611 U	0.0198 U	0.0611 UT
BT0061	LW2-BTLC006-1	0.025 U	0.059 U	0.0287 U	0.059 UT
BT0062	LW2-BTLC006-2	0.0225 U	0.0205 U	0.0302 U	0.0302 UT
BT007	LW2-BTLC007	0.018 U	0.028 U	0.086 U	0.086 UT
BT008	LW2-BTLC008	0.015 U	0.037 U	0.075 J	0.075 JT
BT009	LW2-BTLC009	0.0237 U	0.0612 U	0.0328 U	0.0612 UT
BT010	LW2-BTLC010	0.023 U	0.0592 U	0.0314 U	0.0592 UT
BT011	LW2-BTLC011	0.0235 U	0.0605 U	0.0288 J	0.0288 JT
BT012	LW2-BTLC012	0.017 U	0.021 U	0.0387 U	0.0387 UT
BT013	LW2-BTLC013	0.009 U	0.012 U	0.023 J	0.023 JT
BT014	LW2-BTLC014	0.0239 U	0.0616 U	0.037 J	0.037 JT
BT015	LW2-BTLC015	0.0238 U	0.0615 U	0.03 U	0.0615 UT
BT016	LW2-BTLC016	0.0235 U	0.0607 U	0.034 U	0.0607 UT
BT017	LW2-BTLC017	0.025 J	0.03 U	0.054 J	0.079 JT
BT018	LW2-BTLC018	0.0239 U	0.0616 U	0.023 J	0.023 JT
BT019	LW2-BTLC019	0.0238 U	0.0613 U	0.041 J	0.041 JT
BT020	LW2-BTLC020	0.049 J	0.025 J	0.075 J	0.149 JT
BT021	LW2-BTLC021	0.015 J	0.02 U	0.036 J	0.051 JT
BT022	LW2-BTLC022	0.0125 U	0.0308 J	0.0513 J	0.0821 JT
BT023	LW2-BTLC023	0.016 U	0.0607 U	0.021 J	0.021 JT
BT024	LW2-BTLC024	0.0104 U	0.0638 U	0.0492 U	0.0638 UT
BT025	LW2-BTLC025	0.012 U	0.015 U	0.018 U	0.018 UT
BT026	LW2-BTLC026	0.008 U	0.031 U	0.021 J	0.021 JT
BT0271	LW2-BTLC027-1	0.0139 U	0.0614 U	0.0467 J	0.0467 JT
BT0272	LW2-BTLC027-2	0.0195 U	0.0619 U	0.0416 U	0.0619 UT
BT028	LW2-BTLC028	0.0114 U	0.0614 U	0.0392 U	0.0614 UT
BT029	LW2-BTLC029	0.003 U	0.021 U	0.03 J	0.03 JT
BT030	LW2-BTLC030	0.0192 U	0.0284 J	0.027 U	0.0284 JT
BT031	LW2-BTLC031	0.0187 U	0.0616 U	0.0633 J	0.0633 JT
BT032	LW2-BTLC032	0.0443 U	0.0324 U	0.0635 U	0.0635 UT
BT033	LW2-BTLC033	0.017 U	0.0591 U	0.053 J	0.053 JT
BT001	LW2-BTLW001	0.0237 U	0.0649 J	0.342	0.407 JT
BT002	LW2-BTLW002	0.033 U	0.0449 U	0.394 U	0.394 UT

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Table C2-58. Values Used in Total Endosulfans Calculations for Tissue Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
BT003	LW2-BTLW003	0.0233 U	0.0496 U	0.35	0.35 T
BT004	LW2-BTLW004	0.0238 U	0.0411 U	0.372	0.372 T
BT005	LW2-BTLW005	0.0299 J	0.0774 J	0.37	0.477 JT
BT0061	LW2-BTLW006-1	0.0483 J	0.0788 J	0.393	0.52 JT
BT0062	LW2-BTLW006-2	0.0496 J	0.0989 J	0.382	0.531 JT
BT007	LW2-BTLW007	0.0223 J	0.0633 J	0.461	0.547 JT
BT008	LW2-BTLW008	0.0234 U	0.0738 U	0.316	0.316 T
BT009	LW2-BTLW009	0.0282 J	0.067 U	0.396	0.424 JT
BT010	LW2-BTLW010	0.0296 U	0.0518 J	0.383	0.435 JT
BT011	LW2-BTLW011	0.0234 U	0.065 J	0.352	0.417 JT
BT012	LW2-BTLW012	0.043 U	0.0613 U	0.246	0.246 T
BT013	LW2-BTLW013	0.0423 U	0.0877 U	0.366	0.366 T
BT014	LW2-BTLW014	0.04 U	0.0778 J	0.396	0.474 JT
BT015	LW2-BTLW015	0.033 U	0.0628 U	0.363 J	0.363 JT
BT016	LW2-BTLW016	0.03 U	0.0509 J	0.319	0.37 JT
BT017	LW2-BTLW017	0.0757 U	0.108 U	0.278	0.278 T
BT018	LW2-BTLW018	0.03 U	0.061 U	0.392	0.392 T
BT019	LW2-BTLW019	0.028 U	0.0479 J	0.294	0.342 JT
BT020	LW2-BTLW020	0.072 J	0.133 U	0.358	0.43 JT
BT021	LW2-BTLW021	0.034 U	0.121 J	0.347	0.468 JT
BT022	LW2-BTLW022	0.0238 U	0.0743 U	0.305	0.305 T
BT023	LW2-BTLW023	0.024 U	0.0423 U	0.272	0.272 T
BT024	LW2-BTLW024	0.0471 U	0.117 J	0.302	0.419 JT
BT025	LW2-BTLW025	0.0296 U	0.0708 U	0.381	0.381 T
BT026	LW2-BTLW026	0.0384 U	0.103 J	0.354	0.457 JT
BT0271	LW2-BTLW027-1	0.0219 J	0.113 J	0.42	0.555 JT
BT0272	LW2-BTLW027-2	0.0267 J	0.0753 U	0.343	0.37 JT
BT028	LW2-BTLW028	0.0557 J	0.202	0.491	0.749 JT
BT029	LW2-BTLW029	0.0373 J	0.0516 U	0.247	0.284 JT
BT030	LW2-BTLW030	0.108 J	0.18 J	0.626	0.914 JT
BT031	LW2-BTLW031	0.0327 J	0.127 U	0.453	0.486 JT
BT032	LW2-BTLW032	0.181 J	0.492	0.743	1.42 JT
BT033	LW2-BTLW033	0.03 U	0.076 J	0.416	0.492 JT
MIT001	LW2-MIT001	0.064	0.047	0.14	0.251 T
MIT002	LW2-MIT002	0.02 U	0.021	0.067 U	0.021 T
MIT356	LW2-MIT003/005/006	0.097 J	0.098 J	0.296	0.491 JT
MIT004	LW2-MIT004	0.045	0.046 U	0.097	0.142 T
MIT007	LW2-MIT007	0.137 U	0.156 U	0.061 U	0.156 UT
MIT810	LW2-MIT008/010	0.092 J	0.058 U	0.227	0.319 JT
MIT009	LW2-MIT009	0.055	0.04 U	0.128	0.183 T
T01	LW2-T01 SC	0.23 U	0.224 U	0.414 J	0.414 JT
T01	LW2-T01-NOAA SC	0.533 U	0.52 U	0.782 U	0.782 UT
T01	LW2-T01-REP1	0.22 NJ	1 U	0.21 UJ	0.22 JT
T01	LW2-T01-REP2	0.18 U	1.1 U	0.2 UJ	1.1 UT
T01	LW2-T01-REP3	0.18 U	0.82 U	0.2 UJ	0.82 UT
T02	LW2-T02 SC	0.49 U	0.439 U	0.68 J	0.68 JT
T02	LW2-T02-NOAA SC	0.724 J	0.561 U	0.713 J	1.44 JT
T02	LW2-T02-REP1	0.88 J	0.43 U	0.99 J	1.87 JT
T02	LW2-T02-REP2	0.6 NJ	1.2 U	0.96 J	1.56 JT
T02	LW2-T02-REP3	1.1 U	1.6	1 J	2.6 JT
T03	LW2-T03 SC	0.141 U	0.198 U	0.232 J	0.232 JT
T03	LW2-T03-REP1	0.18 U	0.26 U	0.21 UJ	0.26 UT
T03	LW2-T03-REP2	0.19 U	0.26 U	0.21 UJ	0.26 UT
T03	LW2-T03-REP3	0.18 U	1.1 U	0.2 UJ	1.1 UT
T04	LW2-T04 SC	0.449	0.25 J	0.891	1.59 JT
T04	LW2-T04-REP1	1.1 U	0.26 U	0.34 J	0.34 JT
T04	LW2-T04-REP2	0.3 U	1.1 U	0.24 UJ	1.1 UT
T04	LW2-T04-REP3	0.18 U	1.1 U	0.32 UJ	1.1 UT
02R001	LWG0102R001TSCRWBC00	1 U	1 U	1 U	1 UT
02R001	LWG0102R001TSSPWBC00	4.6 U	4 UT	4 UT	4.6 UT
02R015	LWG0102R015TSCRWBC00	1 U	1 U	1 U	1 UT
02R015	LWG0102R015TSSPWBC00	7.2 U	4 UT	4 UT	7.2 UT
03R001	LWG0103R001TSCRWBC00	1 U	1 N	1 U	1 T
03R001	LWG0103R001TSSPWBC00	1.1 U	1 U	1.3 NJ	1.3 JT
03R002	LWG0103R002TSCRWBC00	1 U	1.4 N	1 U	1.4 T
03R002	LWG0103R002TSSPWBC10	1 U	1.1 U	1 U	1.1 UT
03R002	LWG0103R002TSSPWBC20	1 U	1 U	1 U	1 UT
03R003	LWG0103R003TSCRWBC00	1 U	1.1 N	1 U	1.1 T

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Table C2-58. Values Used in Total Endosulfans Calculations for Tissue Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
03R004	LWG0103R004TSCRWBC00	1 U	3.1 J	1 U	3.1 JT
03R004	LWG0103R004TSSPWBC10	2.9 U	1 U	1.2 NJ	1.2 JT
03R004	LWG0103R004TSSPWBC20	2.6 U	1.1 U	1 UJ	2.6 UT
03R005	LWG0103R005TSCRWBC00	1 U	1.6 N	1 U	1.6 T
03R005	LWG0103R005TSSPWBC00	1 U	3.1 U	1 U	3.1 UT
03R014	LWG0103R014TSLSWBC10	11 N	4.1 UT	4 UT	11 T
03R014	LWG0103R014TSLSWBC20	4 U	4 U	4 U	4 UT
03R014	LWG0103R014TSNPWBC10	9.9 U	9.9 UT	9.9 UT	9.9 UT
03R014	LWG0103R014TSNPWBC20	4 U	4 UT	4 UT	4 UT
03R014	LWG0103R014TSPMWBC00	1 U	1 UT	1 UT	1 UT
03R014	LWG0103R014TSSBFLC00	1 U	1 U	1 U	1 UT
03R014	LWG0103R014TSSBWBC00	4 U	4 UT	4 UT	4 UT
03R032	LWG0103R032TSCRWBC00	1 U	1 U	1 U	1 UT
03R032	LWG0103R032TSSPWBC00	1 U	1 U	1 U	1 UT
03R034	LWG0103R034TSSPWBC00	4 U	4 UT	4 UT	4 UT
04R002	LWG0104R002TSCRWBC00	1 U	1 UJ	1 U	1 UT
04R002	LWG0104R002TSSPWBC00	1 U	3.6 U	1 U	3.6 UT
04R003	LWG0104R003TSCRWBC00	1 U	1.6 N	1 U	1.6 T
04R003	LWG0104R003TSSPWBC00	1.1 U	1 U	1 U	1.1 UT
04R004	LWG0104R004TSCRWBC10	1 U	1 U	1 U	1 UT
04R004	LWG0104R004TSCRWBC20	1 U	1 U	1 U	1 UT
04R004	LWG0104R004TSSPWBC00	1 U	1 U	1 U	1 UT
04R023	LWG0104R023TSSBWBC10	4 U	4 UT	4 UT	4 UT
04R023	LWG0104R023TSSBWBC20	4 U	4 UT	4 UT	4 UT
04R023	LWG0104R023TSSBWBC30	1.5 U	1.3 UJT	1 UJT	1.5 UT
05R001	LWG0105R001TSCRWBC00	1 U	1.7 NJ	1 U	1.7 JT
05R001	LWG0105R001TSSPWBC00	1 U	1.3 UT	12 UT	12 UT
05R003	LWG0105R003TSCRWBC00	1 U	1.3 N	1 U	1.3 T
05R006	LWG0105R006TSLSWBC00	1.4 U	1.2 U	1.3 U	1.4 UT
05R006	LWG0105R006TSNPWBC00	4 U	4 UT	4 UT	4 UT
05R006	LWG0105R006TSPMWBC00	1 U	1 UT	1 UT	1 UT
05R006	LWG0105R006TSSBFLC00	1 U	1 U	1 U	1 UT
05R006	LWG0105R006TSSBWBC00	1.1 U	1.2 UJT	1 UJT	1.2 UJT
05R020	LWG0105R020TSSPWBC00	1 U	1 U	1 U	1 UT
06R001	LWG0106R001TSCRWBC00	1 U	2.1 J	1 U	2.1 JT
06R001	LWG0106R001TSSPWBC00	1.1 U	1 UJ	1 U	1.1 UT
06R002	LWG0106R002TSCAWBC00	1 U	1 U	1 UJ	1 UJT
06R002	LWG0106R002TSSPWBC10	4 U	4 UT	4 UT	4 UT
06R002	LWG0106R002TSSPWBC20	20 U	15 UT	12 UT	20 UT
06R004	LWG0106R004TSCRWBC10	1 U	1 U	1 U	1 UT
06R004	LWG0106R004TSCRWBC20	1 U	1 U	1 U	1 UT
06R004	LWG0106R004TSSPWBC00	4 U	4 UT	4 UJT	4 UJT
06R024	LWG0106R024TSSBFLC00	1 U	1 U	1 U	1 UT
06R024	LWG0106R024TSSBWBC00	1 U	1 UJT	1 UJT	1 UJT
06R031	LWG0106R031TSCRWBC00	1 U	1.3 N	1 U	1.3 T
07R003	LWG0107R003TSCAWBC00	1 U	1 U	1 UJ	1 UJT
07R003	LWG0107R003TSCRWBC00	2 U	2 UJ	2 UJ	2 UJT
07R003	LWG0107R003TSSPWBC00	1 U	1.7 UT	1 UT	1.7 UT
07R004	LWG0107R004TSCRWBC00	1 U	2.2 J	1 U	2.2 JT
07R006	LWG0107R006TSCAWBC00	1 U	2.1 UT	1 UJT	2.1 UT
07R006	LWG0107R006TSCRWBC00	1 U	1 U	1 U	1 UT
07R006	LWG0107R006TSSPWBC00	4.4 U	1 UT	1.7 UT	4.4 UT
07R009	LWG0107R009TSLSWBC00	20 U	15 UT	12 UT	20 UT
07R009	LWG0107R009TSNPWBC00	19 U	15 UT	12 UT	19 UT
07R009	LWG0107R009TSSBWBC10	4 U	4 UT	4 UT	4 UT
07R009	LWG0107R009TSSBWBC20	4 U	4 UT	4 UT	4 UT
07R009	LWG0107R009TSSBWBC30	4 UJ	4 UT	4 UT	4 UT
08R001	LWG0108R001TSCRWBC00	1 U	1 UJ	1 UJ	1 UJT
08R001	LWG0108R001TSSPWBC00	4 UJ	4 UT	12 UT	12 UT
08R002	LWG0108R002TSCRWBC00	1 U	1 UJ	1 UJ	1 UJT
08R002	LWG0108R002TSSPWBC00	1 U	1 U	1 UJ	1 UJT
08R003	LWG0108R003TSCRWBC00	1 U	1.8 UJ	1 UJ	1.8 UJT
08R003	LWG0108R003TSSPWBC00	4 U	4 UT	4 UT	4 UT
08R010	LWG0108R010TSLSWBC00	4 U	4 UT	4 UT	4 UT
08R010	LWG0108R010TSNPWBC00	9.8 U	9.8 U	9.8 U	9.8 UT
08R010	LWG0108R010TSPMWBC00	1 U	1 UT	1 UT	1 UT
08R010	LWG0108R010TSSBWBC10	8.4 J	20 UT	20 UT	8.4 JT
08R010	LWG0108R010TSSBWBC20	20 U	20 UT	20 UT	20 UT

Table C2-58. Values Used in Total Endosulfans Calculations for Tissue Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
08R010	LWG0108R010TSSBWBC30	10 U	10 UT	10 UT	10 UT
08R032	LWG0108R032TSSBFLC00	1 U	1 U	1 U	1 UT
08R032	LWG0108R032TSSBWBC00	4 U	4 UT	4 UT	4 UT
09R001	LWG0109R001TSCRWBC10	1 U	1 UJ	1 UJ	1 UJT
09R001	LWG0109R001TSCRWBC20	1 U	1.1 UJ	1 UJ	1.1 UJT
09R001	LWG0109R001TSSPWBC00	4 U	4 UT	4 UT	4 UT
09R002	LWG0109R002TSCRWBC00	1 U	1 UJ	1 UJ	1 UJT
09R002	LWG0109R002TSSPWBC00	9.6 U	9.6 U	9.6 U	9.6 UT
09R006	LWG0109R006TSLSWBC00	4 U	4 UT	4 UT	4 UT
09R006	LWG0109R006TSNPWBC00	10 U	10 UT	10 UT	10 UT
09R006	LWG0109R006TSPMWBC00	1 U	1.2 UT	1 UT	1.2 UT
09R006	LWG0109R006TSSBFLC00	1 U	1 U	1 U	1 UT
09R006	LWG0109R006TSSBWBC00	4 U	4 UT	4 UT	4 UT
20R001	LWG0120R001TSBBWBC10	1 U	1 UJ	1 UJ	1 UJT
20R001	LWG0120R001TSBBWBC20	1 UJ	1 UJ	1 UJ	1 UJT
20R001	LWG0120R001TSSBWBC10	1 U	1 UJ	1 UJ	1 UJT
20R001	LWG0120R001TSSBWBC20	1 U	1 UJ	1 UJ	1 UJT
20R001	LWG0120R001TSSBWBC30	1 U	1.2 UJ	1 UJ	1.2 UJT
28R001	LWG0128R001TSBBWBC00	1 U	1 UJ	1 UJ	1 UJT
28R001	LWG0128R001TSSBWBC10	1 U	1 UJ	1 UJ	1 UJT
28R001	LWG0128R001TSSBWBC20	1 U	1 UJ	1 UJ	1 UJT
28R001	LWG0128R001TSSBWBC30	1 U	1 UJ	1 UJ	1 UJT
FZ0306	LWG01FZ0306TSBBFLC10	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBBFLC20	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBBFLC30	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBBWBC10	1 U	2.3 NJ	1 U	2.3 JT
FZ0306	LWG01FZ0306TSBBWBC20	1 U	8.6 NJ	1 U	8.6 JT
FZ0306	LWG01FZ0306TSBBWBC30	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBCFLC10	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBCFLC20	1 U	1 U	1 U	1 UT
FZ0306	LWG01FZ0306TSBCWBC10	1 U	1 U	1.1 NJ	1.1 JT
FZ0306	LWG01FZ0306TSBCWBC20	1 U	1 U	1 UJ	1 UJT
FZ0306	LWG01FZ0306TSCPFLC10	4 U	4 UJT	4 UJT	4 UJT
FZ0306	LWG01FZ0306TSCPFLC20	4 U	4 UJ	4 UJ	4 UJT
FZ0306	LWG01FZ0306TSCPFLC30	4.1 NJ	4 UT	4 UT	4.1 JT
FZ0306	LWG01FZ0306TSCPWBC10	1.2 U	1 UJ	1 UJ	1.2 UT
FZ0306	LWG01FZ0306TSCPWBC20	20 UJ	15 UT	12 UT	20 UJT
FZ0306	LWG01FZ0306TSCPWBC30	1 U	9.7 UJT	1 UJT	9.7 UJT
FZ0609	LWG01FZ0609TSBBFLC10	1 U	1 U	1 U	1 UT
FZ0609	LWG01FZ0609TSBBFLC20	20 U	15 UT	12 UT	20 UT
FZ0609	LWG01FZ0609TSBBFLC30	4 U	4 UT	4 UT	4 UT
FZ0609	LWG01FZ0609TSBBWBC10	20 U	15 UT	12 UT	20 UT
FZ0609	LWG01FZ0609TSBBWBC20	1 U	5 U	1 U	5 UT
FZ0609	LWG01FZ0609TSBBWBC30	4 U	4 U	4 U	4 UT
FZ0609	LWG01FZ0609TSBCFLC10	1 U	1 U	1 U	1 UT
FZ0609	LWG01FZ0609TSBCFLC20	1 U	1 U	1 U	1 UT
FZ0609	LWG01FZ0609TSBCWBC10	1 U	1.3 U	1 U	1.3 UT
FZ0609	LWG01FZ0609TSBCWBC20	1 U	1.1 UT	12 UT	12 UT
FZ0609	LWG01FZ0609TSCPFLC10	20 U	15 UT	12 UT	20 UT
FZ0609	LWG01FZ0609TSCPFLC20	4 U	4 UT	4 UT	4 UT
FZ0609	LWG01FZ0609TSCPFLC30	9.8 U	9.8 UT	9.8 UT	9.8 UT
FZ0609	LWG01FZ0609TSCPWBC10	4 U	11 UT	4 UT	11 UT
FZ0609	LWG01FZ0609TSCPWBC20	4 U	15 UT	4 UT	15 UT
FZ0609	LWG01FZ0609TSCPWBC30	3.6 NJ	9.9 UT	9.9 UT	3.6 JT
02R102	LWG1A02R102TSSCWBC00	1 U	4.3 N	1 U	4.3 T
02R112	LWG1A02R112TSSCWBC00	1 UJT	1.3 UT	1 UT	1.3 UT
02R113	LWG1A02R113TSSCWBC00	1 UT	19 UT	1 UT	19 UT
03R118	LWG1A03R118TSSCWBC00	1 U	2.4 N	1 U	2.4 T
03R125	LWG1A03R125TSSCWBC00	1.1 U	3.1 NJ	1 U	3.1 JT
04R126	LWG1A04R126TSSCWBC00	1 U	3.3 N	1 U	3.3 T
26R111	LWG1A26R111TSSCWBC00	1 U	1 U	1 U	1 UT
WR-PG-Ref03	WLCDRD050184G	1 U	0.48 U	0.73 NJ	0.73 JT
WR-PG-Ref03	WLCDRD050187G	0.36 J	0.24 U	0.19 U	0.36 JT
WR-VC-11	WLCDRD05WRVC011Clam	1 U	0.24 U	0.19 U	1 UT
WR-VC-11	WLCDRD05WRVC011Worm	1 U	0.48 U	1 U	1 UT
WR-VC-28	WLCDRD05WRVC028Clam	1 U	0.24 U	0.22 U	1 UT
WR-VC-28	WLCDRD05WRVC028Worm	0.95 U	0.35 U	0.37 U	0.95 UT
WR-VC-29	WLCDRD05WRVC029Clam	1 U	0.24 U	0.42 J	0.42 JT

Table C2-58. Values Used in Total Endosulfans Calculations for Tissue Samples.

	CAS No	959-98-8	33213-65-9	1031-07-8	TOTENDOSLFN
	Chemical Name	alpha-Endosulfan	beta-Endosulfan	Endosulfan sulfate	Total Endosulfan
	Unit	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**				
WR-VC-29	WLCDRD05WRVC029Worm	0.25 U	0.35 U	0.78 J	0.78 JT
WR-VC-43	WLCDRD05WRVC043Clam	1 U	1 U	0.19 U	1 UT
WR-VC-43	WLCDRD05WRVC043Worm	1 U	0.31 U	0.8 U	1 UT
WR-VC-46	WLCDRD05WRVC046Clam	1 U	0.24 U	0.19 U	1 UT
WR-VC-46	WLCDRD05WRVC046Worm	0.29 U	0.4 U	0.32 U	0.4 UT
WR-VC-57	WLCDRD05WRVC057Clam	1 U	1 U	0.29 U	1 UT
WR-VC-57	WLCDRD05WRVC057Worm	0.4 U	1.1 J	0.86 U	1.1 JT
WR-VC-66	WLCDRD05WRVC066Clam	1 U	0.24 U	0.19 U	1 UT
WR-VC-66	WLCDRD05WRVC066Worm	0.41 U	1.1 NJ	0.96 U	1.1 JT
WR-VC-72	WLCDRD05WRVC072Clam	1 U	0.24 U	0.24 U	1 UT
WR-VC-72	WLCDRD05WRVC072Worm	0.48 U	1.5 NJ	1 U	1.5 JT
WR-VC-108	WLCDRD05WRVC108Clam	1 U	0.24 U	0.24 U	1 UT
WR-VC-108	WLCDRD05WRVC108Worm	0.52 U	3.1 U	0.58 U	3.1 UT
WR-VC-118	WLCDRD05WRVC118Clam	1 U	0.24 U	0.3 U	1 UT
WR-VC-118	WLCDRD05WRVC118Worm	0.21 U	0.24 U	0.64 U	0.64 UT
Clackamas Fish Hatcher	WLTASE03CFH03254200	8.8 U	3.6 U	3.6 U	8.8 UT
Clackamas Fish Hatchery	WLTASE03CFH03254201	1.2 J	3.7 U	3.7 U	1.2 JT
Clackamas Fish Hatchery	WLTASE03CFH03254202	0.91 U	3.6 U	3.6 U	3.6 UT
Clackamas Fish Hatchery	WLTASE03CFH03254220	5.4 U	3.8 U	3.8 U	5.4 UT
Clackamas Fish Hatchery					
Clackamas Fish Hatchery	WLTASE03CFH03254222	4.6 U	3.8 U	3.8 U	4.6 UT
Clackamas Fish Hatcher	WLTASE03CFH03254223	0.99 T	3.6 UT	3.6 UT	0.99 T
RM 3.5-9.2	WLTASE03ISA03334750	0.91 UT	3.6 UT	3.6 UT	3.6 UT
RM 3.5-9.2	WLTASE03ISA03334751	0.95 U	4.3 U	3.8 U	4.3 UT
RM 3.5-9.2	WLTASE03ISA03354100	0.91 U	3.6 U	3.6 U	3.6 UT
RM 3.5-9.2	WLTASE03ISA03354101	1 U	3.6 U	3.6 U	3.6 UT
RM 3.5-9.2	WLTASE03ISA03354102	1.1 J	3.7 U	3.7 U	1.1 JT
Willamette Falls	WLTASE03WF03214300	0.84 UJ	4 UJ	4 UJ	4 UJT
Willamette Falls	WLTASE03WF03214301	0.92 UJ	2.5 UJ	3.7 UJ	3.7 UJT
Willamette Falls	WLTASE03WF03214302	2.1 UJ	5.7 UJ	3.7 UJ	5.7 UJT
Willamette Falls	WLTASE03WF03214303	1.5 UJ	3.6 UJ	3.6 UJ	3.6 UJT

Notes:
J - The associated numerical value is an estimated quantity.
N - Presumptive evidence of presence of material; identification of the compound is not definitive.
T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.
U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table C2-59. PAH Values Used in Total PAH Calculations for Tissue Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methyln aphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthrace ne	Benzo(a)anthracene	Benzo(a)pyrene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
FC001	LW2-BTFC001	1.4	0.68	1.2	6.4	1.9	1.2 U	21	32.6 T	0.11 U	31	4.7
FC002	LW2-BTFC002	1.5	1.3	2	7	2.4	1.5 U	20	34.2 T	0.11 U	48	7.7
FC003	LW2-BTFC003	1.3	1.1	1.8	17	3.9	1.2 U	59	84.1 T	0.11 U	60	13
FC004	LW2-BTFC004	1.3	0.67	1.5	5.6	1.6	1.3 U	15	25.7 T	0.11 U	44	8.4
FC005	LW2-BTFC005	2	1.7	1.8	10	4.7	1.8 U	30	50.2 T	0.11 U	67	16
FC0061	LW2-BTFC006 Rep 1	1.5 T	1.2 T	0.825 T	9.25 T	4.1 T	2 UT	26 T	42.9 T	2.8 T	56 T	15 T
FC007	LW2-BTFC007	1.4	3	1.9	5.8	2	1.4 U	18	32.1 T	0.11 U	37	7.6
FC008	LW2-BTFC008	1.3	2.7	1.2	5.2	2.2	2.5 U	11	23.6 T	1.3	44	9.8
FC009	LW2-BTFC009	1.8	0.81	1.7	8.9	2.4	1.5 U	24	39.6 T	1	34	7.7
FC010	LW2-BTFC010	1.5	0.68	1.5	5.2	1.6	1.7 U	15	25.5 T	0.81	35	7
FC012	LW2-BTFC012	2.4	0.091 U	3.8	30	9.2	2.2 U	66	111 T	3.8	150	39
FC013	LW2-BTFC013	2.3	1.3	1.4	5.6	3	1.8 U	16	29.6 T	0.5 J	22	4.6
FC014	LW2-BTFC014	2.3	21	14	65	16	3	190	311 T	37	670	460
FC015	LW2-BTFC015	20	61	14	78	36	33	300	542 T	43	630	490
FC016	LW2-BTFC016	1.8 J	0.97 J	1.2	5.5	2.4	1.5 U	16	27.9 JT	0.22 U	18	3.8
FC017	LW2-BTFC017	2	2.5	4.6	24	5.3	1.6 U	87	125 T	6.3	160	60
FC018	LW2-BTFC018	3.3	4.7	2.4	8.6	5.2	2.6	36	62.8 T	0.28 U	82	19
FC019	LW2-BTFC019	2.1	1.7	0.79 J	3.4	2.9	1.9 U	16	26.9 JT	0.22 U	12	2.4
FC020	LW2-BTFC020	1.9	2.3	2	5.8	3.7	1.9 U	21	36.7 T	0.11 U	18	3.2
FC021	LW2-BTFC021	1.7	1.1	1.2	3.9	2.3	1.5 U	12	22.2 T	0.11 U	14	2.8
FC022	LW2-BTFC022	1.8	0.78	1.2	3.1	2	1.6 U	7.9	16.8 T	0.11 U	8.8	2.3
FC024	LW2-BTFC024	1.9	0.92	1.1	4.5	3.1	1.5 U	19	30.5 T	0.11 U	9.8	1.9
FC025	LW2-BTFC025	22	21	3.1	5	20	9	160	240 T	0.22 U	17	5
FC026	LW2-BTFC026	3	1.2	1.4	6.8	3.6	1.9 U	16	32 T	0.22 U	20	3.9
FC0271	LW2-BTFC027 Rep 1	1.3 T	0.22 JT	0.28 JT	1.25 T	0.965 T	0.97 UT	4.1 T	8.12 JT	0.11 UT	2.95 T	1.4 T
FC028	LW2-BTFC028	2	1.6	1.6	4.5	3.4	1.5 U	15	28.1 T	0.11 U	14	2.6
FC030	LW2-BTFC030	1.8	3.4	0.89	4.1	5.2	1.6 U	19	34.4 T	0.11 U	8.4	1.9
FC031	LW2-BTFC031	1.7	0.61	0.092 U	1.7	1.4	1.5 U	6	11.4 T	0.11 U	4.7	1.8
FC033	LW2-BTFC033	1.6 J	1.1	0.19 U	1.2	1.7	1.4 U	5.7	11.3 JT	0.22 U	5.9	1.8
BT001	LW2-BTLC001	1.1	0.33 J	0.44 J	0.87	0.7	1.2 U	5	8.44 JT	0.11 U	0.78	0.51
BT002	LW2-BTLC002	0.54 U	0.31 J	0.28 J	1.2	0.83	0.75 U	6.1	8.72 JT	0.11 U	1.3	0.64
BT003	LW2-BTLC003	0.94 J	0.27 J	0.25 J	0.89	0.6	1.2 U	3.9	6.85 JT	0.11 U	1.1	0.57
BT004	LW2-BTLC004	0.81 U	0.25 J	0.34 J	1.1	0.55	0.93 U	4	6.24 JT	0.11 U	0.98	0.52
BT005	LW2-BTLC005	0.76 U	0.23 J	0.52	1.1	0.65	1.1 U	4	6.5 JT	0.11 U	1.6	0.76
BT0061	LW2-BTLC006-1	0.87 U	0.29 J	0.31 J	0.93	0.68	1 U	4.4	6.61 JT	0.11 U	1.1	0.64
BT0062	LW2-BTLC006-2	0.52 U	0.2 J	0.19 J	0.85	0.64	0.64 U	4	5.88 JT	0.11 U	1.1	0.67
BT007	LW2-BTLC007	0.63 U	0.38 J	0.092 U	3.2	0.96	0.64 U	5	9.54 JT	0.11 U	9.5	1.8
BT008	LW2-BTLC008	0.81 J	0.42 J	0.092 U	2.7	0.93	0.64 U	8.9	13.8 JT	0.11 U	4.4	1.4
BT009	LW2-BTLC009	0.45 U	0.42 J	0.26 J	2.2	1.4	0.64 U	7.8	12.1 JT	0.19 J	2.2	1.5
BT010	LW2-BTLC010	0.94 J	0.5	0.092 U	1.2	0.86	1 U	7.1	10.6 JT	0.11 U	0.85	0.46 J
BT011	LW2-BTLC011	0.75 U	0.4 J	0.26 J	1.6	0.76	1.1 U	4.9	7.92 JT	0.11 U	1.6	1
BT012	LW2-BTLC012	0.8 U	13	0.83	5.6	8.6	1.1 U	120	148 T	1.4	67	33
BT013	LW2-BTLC013	0.68 U	0.61	0.092 U	2	1.2	0.51 U	11	14.8 T	0.11 U	2.9	0.82
BT014	LW2-BTLC014	1.8	13	1.1	29	8.9	5.1	67	126 T	0.61	38	12
BT015	LW2-BTLC015	0.54 U	8	0.85	28	11	1.1 U	110	158 T	0.27 J	31	6.2
BT016	LW2-BTLC016	1.1	0.5	0.31 J	1.4	1.2	1.2 U	5.9	10.4 JT	0.11 U	1.6	0.56
BT017	LW2-BTLC017	0.15 U	3	0.092 U	6.6	3.2	0.78 U	18	30.8 T	0.11 U	12	2.4
BT018	LW2-BTLC018	0.92 J	2.1	0.61	4.4	3.3	1.1 U	18	29.3 JT	0.19 J	8.2	1.7
BT019	LW2-BTLC019	0.95 J	0.51	0.58	1.2	1.2	1.1 U	7.6	12 JT	0.11 U	1.5	0.47 J
BT020	LW2-BTLC020	0.67 U	0.23 J	0.092 U	0.58	0.58	0.58 U	3.9	5.29 JT	0.11 U	0.66	0.54
BT021	LW2-BTLC021	0.74 U	0.27 J	0.092 U	0.95	0.66	0.56 U	4.4	6.28 JT	0.11 U	1.6	0.49 J
BT022	LW2-BTLC022	0.83 J	0.35 J	0.092 U	0.81	0.7	0.73 U	4.9	7.59 JT	0.11 U	1.6	0.63
BT023	LW2-BTLC023	0.94 J	0.63	0.37 J	2	1.2	1.1 U	11	16.1 JT	0.11 U	2.8	0.88
BT024	LW2-BTLC024	0.73 U	0.18 J	0.25 J	0.52	0.62	0.54 U	3.5	5.07 JT	0.11 U	0.47 J	0.54
BT025	LW2-BTLC025	0.68 U	0.34 J	0.092 U	0.59	0.63	0.61 U	5.3	6.86 JT	0.11 U	0.39 J	0.12 U
BT026	LW2-BTLC026	0.59 J	0.2 J	0.092 U	0.73	0.5	0.83 U	3.7	5.72 JT	1.4	2.8	3.6
BT0271	LW2-BTLC027-1	0.62 U	0.22 J	0.092 U	1.9	0.63	0.57 U	5.1	7.85 JT	0.11 U	0.81	0.57
BT0272	LW2-BTLC027-2	0.75 U	0.22 J	0.092 U	1	0.66	0.63 U	4	5.88 JT	0.11 U	0.65	0.12 U
BT028	LW2-BTLC028	0.64 U	0.53	0.32 J	2	1.6	0.54 U	8.7	13.2 JT	0.11 U	2.1	0.63
BT029	LW2-BTLC029	0.75 U	0.16 J	0.3 J	0.56	0.62	0.58 U	3.6	5.24 JT	0.11 U	0.61	0.67
BT030	LW2-BTLC030	0.49 U	0.61	0.33 J	1.6	1.9	0.33 U	13	17.4 JT	0.24 J	1.6	0.61
BT031	LW2-BTLC031	0.75 U	0.29 J	0.092 U	0.53	0.53	0.63 U	4.3	5.65 JT	0.83	1.1	0.91
BT032	LW2-BTLC032	1.1	0.091 U	0.092 U	1	0.95	0.72 U	6	9.05 T	0.11 U	1	0.48 J
BT033	LW2-BTLC033	0.68 U	0.26 J	0.23 J	0.66	0.83	0.73 U	5.4	7.38 JT	0.11 U	0.43 J	0.47 J
BT001	LW2-BTLW001	1.2	3.9	5.6	4.4	2.9	1.1 U	15	33 T	1.1	20	9
BT002	LW2-BTLW002	0.68 J	2	1.4	4.7	2.7	1.8 U	20	31.5 JT	1.3	24	9.8
BT003	LW2-BTLW003	0.62 J	2.6	1.7	9.7	1.8	0.46 U	25	41.4 JT	2	38	24
BT004	LW2-BTLW004	1.5 U	0.91 U	8.7	3 J	1.8 J	2 U	14	27.5 JT	1.1 U	18	6.9
BT005	LW2-BTLW005	1.2	9.7	3.4	18	5.8	1.4 U	50	88.1 T	2.9	75	37
BT0061	LW2-BTLW006-1	0.91 J	2.1	2.3	5	2	0.94 U	11	23.3 JT	3.6	40	17
BT0062	LW2-BTLW006-2	1.1	3.3	1.3	7.7	3.6	0.94 U	15	32 T	4.3	56	25
BT007	LW2-BTLW007	0.15 U	2.5	6.1	9.5	2.3	1.5 U	19	39.4 T	1.3	25	13

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Table C2-59. PAH Values Used in Total PAH Calculations

	CAS No	205-99-2	207-08-9	BKBFLANTH	BBJFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Benzo(b+j) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
FC001	LW2-BTFC001	5.9	3			2.3	37	82	1.8	100	268 T	300 T
FC002	LW2-BTFC002	11	5.4			3.2	54	83	2	100	314 T	349 T
FC003	LW2-BTFC003	15	7.7			6.1	61	150	3.9	150	467 T	551 T
FC004	LW2-BTFC004	11	5.4			3.6	49	66	2.5	73	263 T	289 T
FC005	LW2-BTFC005	28	14			7.5	99	93	5.4	110	440 T	490 T
FC0061	LW2-BTFC006 Rep 1	38.5 T	15 T			9.6 T	110 T	90 T	5.7 T	145 T	488 T	530 T
FC007	LW2-BTFC007	11	5.3			4.1	39	55	3.1	56	218 T	250 T
FC008	LW2-BTFC008	20	8.7			3.7	54	61	3.3	69	275 T	298 T
FC009	LW2-BTFC009	9.5	5.8			3.5	39	67	2.5	66	236 T	276 T
FC010	LW2-BTFC010	8.6	5.4			3.1	34	48	1.6	49	193 T	218 T
FC012	LW2-BTFC012	43	28			16	150	220	9.6	240	899 T	1010 T
FC013	LW2-BTFC013	4.7	3.3			1.6	24	37	0.95 J	36	135 JT	164 JT
FC014	LW2-BTFC014	430	280			230	560	770	160	850	4450 T	4760 T
FC015	LW2-BTFC015	460	310			230	560	720	170	820	4430 T	4980 T
FC016	LW2-BTFC016	4.2	2.8			1.5	22	41	1.2	38	133 T	160 JT
FC017	LW2-BTFC017	67	43			23	150	250	16	280	1060 T	1180 T
FC018	LW2-BTFC018	30	20			7.3	66	140	6.8	140	511 T	574 T
FC019	LW2-BTFC019	3.6	2			1.2	19	41	0.32 U	33	114 T	141 JT
FC020	LW2-BTFC020	5.1	2.4			1.9	25	57	1.4	46	160 T	197 T
FC021	LW2-BTFC021	3.6	1.6			1.2	20	37	0.16 U	33	113 T	135 T
FC022	LW2-BTFC022	3.4	1.5			1.4	16	23	0.16 U	24	80.4 T	97.2 T
FC024	LW2-BTFC024	2.7	1.1			1	16	45	0.16 U	34	112 T	142 T
FC025	LW2-BTFC025	18	13			3.3	47	240	6.8	130	480 T	720 T
FC026	LW2-BTFC026	8.8	4.2			2.7	45	56	3.1	71	215 T	247 T
FC0271	LW2-BTFC027 Rep 1	0.955 T	0.47 JT			0.485 JT	5.1 T	7.85 T	0.16 UT	6.9 T	26.1 JT	34.2 JT
FC028	LW2-BTFC028	4.6	2			1.3	21	38	0.9	34	118 T	147 T
FC030	LW2-BTFC030	2	1			0.71	12	29	0.16 U	21	76 T	110 T
FC031	LW2-BTFC031	1.5	0.68			0.79	7.4	11	0.16 U	9.5	37.4 T	48.8 T
FC033	LW2-BTFC033	2.3	1.3			0.8 J	10	13	0.32 U	12	47.1 JT	58.4 JT
BT001	LW2-BTLC001	0.15 U	0.13 U			0.22 J	2.5	7.3	0.16 U	8.7	20 JT	28.5 JT
BT002	LW2-BTLC002	0.81	0.35 J			0.37 J	3.7	14	0.16 U	17	38.2 JT	46.9 JT
BT003	LW2-BTLC003	0.66	0.36 J			0.34 J	2.7	6.3	0.21 J	8.4	20.6 JT	27.5 JT
BT004	LW2-BTLC004	0.38 J	0.17 J			0.18 J	2.5	8.7	0.16 U	11	24.4 JT	30.7 JT
BT005	LW2-BTLC005	1.5	0.7			0.68	4.9	9.5	0.27 J	16	35.9 JT	42.4 JT
BT0061	LW2-BTLC006-1	0.99	0.46 J			0.37 J	3.9	7.3	0.16 U	13	27.8 JT	34.4 JT
BT0062	LW2-BTLC006-2	1	0.36 J			0.35 J	3.8	7	0.16 U	12	26.3 JT	32.2 JT
BT007	LW2-BTLC007	3.2	1.3			0.93	16	58	0.16 U	51	142 T	151 JT
BT008	LW2-BTLC008	1.4	0.75			0.74	8	23	0.16 U	26	65.7 T	79.5 JT
BT009	LW2-BTLC009	1.7	1.1			0.92	4.5	25	0.84	23	61 JT	73 JT
BT010	LW2-BTLC010	0.36 J	0.17 J			0.17 U	2	11	0.16 U	12	26.8 JT	37.4 JT
BT011	LW2-BTLC011	0.74	0.52			0.56	3.4	15	0.41 J	18	41.2 JT	49.2 JT
BT012	LW2-BTLC012	33	23			18	100	390	12	490	1170 T	1320 T
BT013	LW2-BTLC013	1	0.52			0.55	6.3	32	0.16 U	38	82.1 T	96.9 T
BT014	LW2-BTLC014	13	7.5			7.3	57	280	3.7	300	719 T	845 T
BT015	LW2-BTLC015	8.1	4			3	49	250	1.3	250	603 JT	761 JT
BT016	LW2-BTLC016	0.65	0.32 J			0.17 U	3.4	14	0.16 U	15	35.5 JT	45.9 JT
BT017	LW2-BTLC017	3	1.4			1.2	18	90	0.16 U	93	221 T	252 T
BT018	LW2-BTLC018	2.8	1.4			1.1	14	83	0.53	80	193 JT	222 JT
BT019	LW2-BTLC019	0.66	0.32 J			0.21 J	3.3	20	0.16 U	18	44.5 JT	56.5 JT
BT020	LW2-BTLC020	0.15 U	0.13 U			0.17 U	1.6	7.5	0.16 U	7.5	17.8 T	23.1 JT
BT021	LW2-BTLC021	0.67	0.25 J			0.28 J	3.6	14	0.16 U	17	37.9 JT	44.2 JT
BT022	LW2-BTLC022	0.93	0.42 J			0.57	4.8	9.5	0.16 U	14	32.5 JT	40 JT
BT023	LW2-BTLC023	0.97	0.41 J			0.32 J	6.3	19	0.16 U	24	54.7 JT	70.8 JT
BT024	LW2-BTLC024	0.15 U	0.13 U			0.17 U	1.6	5.3	0.16 U	5.2	13.1 JT	18.2 JT
BT025	LW2-BTLC025	0.15 U	0.13 U			0.17 U	1.7	7.5	0.16 U	6.8	16.4 JT	23.3 JT
BT026	LW2-BTLC026	14	5.2			5.8	24	9.6	6	13	85.4 T	91.1 JT
BT0271	LW2-BTLC027-1	0.3 J	0.13 U			0.17 U	1.9	8.1	0.16 U	6.7	18.4 JT	26.2 JT
BT0272	LW2-BTLC027-2	0.15 U	0.13 U			0.17 U	1.7	6.7	0.16 U	5.9	15 T	20.8 JT
BT028	LW2-BTLC028	0.8	0.13 U			0.38 J	6.2	18	0.16 U	26	54.1 JT	67.3 JT
BT029	LW2-BTLC029	0.61	0.36 J			0.4 J	3	5.5	0.16 U	8.5	19.7 JT	24.9 JT
BT030	LW2-BTLC030	0.65	0.32 J			0.36 J	3	26	0.25 J	21	54 JT	71.5 JT
BT031	LW2-BTLC031	1.1	0.89			0.86	2.1	4.8	0.16 U	3.7	16.3 T	21.9 JT
BT032	LW2-BTLC032	0.49 J	0.22 J			0.17 U	3.9	9.5	0.16 U	11	26.6 JT	35.6 JT
BT033	LW2-BTLC033	0.15 U	0.13 U			0.21 J	1.6	6.7	0.16 U	6.2	15.6 JT	23 JT
BT001	LW2-BTLW001	29	18			8.1	58	65	5.6	82	296 T	329 T
BT002	LW2-BTLW002	32	17			9.1	77	87	5.4	90	353 T	384 JT
BT003	LW2-BTLW003	39	26			16	120	81	9.2	120	475 T	517 JT
BT004	LW2-BTLW004	22	16			7.4	66	59	4.4 J	92	292 JT	319 JT
BT005	LW2-BTLW005	67	46			21	180	190	14	270	903 T	991 T
BT0061	LW2-BTLW006-1	82	45			20	130	90	13	160	601 T	624 JT
BT0062	LW2-BTLW006-2	110	57			25	170	130	17	210	804 T	836 T
BT007	LW2-BTLW007	31	14			11	88	80	6.6	93	363 T	402 T

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Table C2-59. PAH Values Used in Total PAH Calculations for Tissue Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methyln aphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthrace ne	Benzo(a)anthracene	Benzo(a)pyrene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
BT008	LW2-BTLW008	2	8.7	8.6	29	11	2 U	33	92.3 T	8.6	200	79
BT009	LW2-BTLW009	1.3	16	2.4	22	28	1.4 U	89	159 T	2.1	77	24
BT010	LW2-BTLW010	0.85 J	8.5	3.1	8.3	8.2	1.1 U	49	78 JT	1.9	36	18
BT011	LW2-BTLW011	1.7	13	8.9	25	14	1.4 U	71	134 T	2.1	76	38
BT012	LW2-BTLW012	2.2	460	20	65	300	2.9	2200	3050 T	95	1400	970
BT013	LW2-BTLW013	2.3	27	9.5	21	26	2.3 U	120	206 T	3.8	73	28
BT014	LW2-BTLW014	19	520	29	650	300	11	2200	3730 T	89	2600	1500
BT015	LW2-BTLW015	43	460	22	450	250	31	2500	3760 T	17	950	400
BT016	LW2-BTLW016	1.5	7.5	3.7	12	10	1.3 U	17	51.7 T	1.8	45	18
BT017	LW2-BTLW017	0.15 U	140	22	98	92	7.5	330	690 T	11	370	140
BT018	LW2-BTLW018	1.8	66	5.6	77	79	1.4 U	360	589 T	6	310	100
BT019	LW2-BTLW019	0.29 J	1.7	1.2	4.5	4.7	0.53 U	7.7	20.1 JT	0.98	24	6.6
BT020	LW2-BTLW020	0.3 U	9.3	3.7	8.6	9	1.2 U	59	89.6 T	0.22 U	34	10
BT021	LW2-BTLW021	1.6	6.6	3.5	14	10	3.2 U	50	85.7 T	1.6	45	12
BT022	LW2-BTLW022	1.6	7.8	4.5	6.8	4.8	1.2 U	14	39.5 T	1.6	31	16
BT023	LW2-BTLW023	1.5	33	8.2	32	34	1.6 U	240	349 T	5.7	170	43
BT024	LW2-BTLW024	0.15 U	0.091 U	5.4	6.3	2.4	1.1 U	18	32.1 T	5.5	71	34
BT025	LW2-BTLW025	1.2	12	2.3	6.5	5.9	1.7 U	43	70.9 T	1	19	4.9
BT026	LW2-BTLW026	1.6	5.5	6	7.8	5.7	1.5 U	25	51.6 T	0.11 U	33	9.7
BT0271	LW2-BTLW027-1	0.15 U	3.1	2.8	3.7	4	1.4 U	14	27.6 T	0.11 U	11	3.5
BT0272	LW2-BTLW027-2	1.7 J	3.5	4.2	2.9	3.2	1.1 U	9.7	25.2 JT	0.22 U	11	3.5
BT028	LW2-BTLW028	7.1	30	0.092 U	37	57	4	220	355 T	1.1	52	13
BT029	LW2-BTLW029	0.15 U	4.1	6.4	3.4	2.9	1.9 U	5.7	22.5 T	0.11 U	14	6.2
BT030	LW2-BTLW030	6.6	35	4.1	17	38	7.6	160	268 T	4.1	49	17
BT031	LW2-BTLW031	1.3	2.8	1.5	1.3	1.3	1.1 U	4.1	12.3 T	0.11 U	5.9	2.2
BT032	LW2-BTLW032	6.9	3.1	1.7	5.5	7	2 U	31	55.2 T	0.11 U	16	4.4
BT033	LW2-BTLW033	0.66 J	1.7	0.56	2.3	2.5	0.88 U	10	17.7 JT	0.11 U	9.7	3.7
T01	LW2-T01 SC	14.2 U	12.3	2 J	7.52	16.1	29.3 U	103	141 JT	0.93 U	6.6	2.26 J
T01	LW2-T01-NOAA SC	15.6 U	7.35 J	1.24 U	6.32 J	8.15 J	38 U	46.6	68.4 JT	0.57 U	7.67 J	3.31 U
T01	LW2-T01-REP1	4.5	0.87	0.22 J	0.25 J	0.74	2.9 U	1.8	8.38 JT	0.12 U	0.13 U	0.13 U
T01	LW2-T01-REP2	6.9	1	0.47 J	0.45 J	0.65	5.1	1.5	16.1 JT	0.12 U	0.13 U	0.13 U
T01	LW2-T01-REP3	5.8	0.93	0.3 J	0.34 J	0.75	3.3 U	1.9	10 JT	0.19 J	0.13 U	0.13 U
T02	LW2-T02 SC	14.5 U	6.65 J	2.04 U	6.47 J	5.34 J	38.8 UJ	53.8	72.3 JT	0.905 J	11.8	5.82 U
T02	LW2-T02-NOAA SC	41.5	131	6.99 J	225	143	37.6 U	862	1410 JT	2.68 J	77.8	20.7
T02	LW2-T02-REP1	4.3	0.67	0.33 J	0.37 J	0.52	3.9	1.4	11.5 JT	0.2 J	0.21 J	0.13 U
T02	LW2-T02-REP2	4.3	0.69	0.4 J	0.33 J	0.58	3.9	1.3	11.5 JT	0.12 U	0.13 U	0.13 U
T02	LW2-T02-REP3	4.3	0.65	0.33 J	0.39 J	0.56	3.8	1.4	11.4 JT	0.12 U	0.2 J	0.13 U
T03	LW2-T03 SC	12 U	4.44 J	0.738 J	1.3 J	5.31 J	27.3 U	33.9	45.7 JT	0.486 U	1.89 J	1.63 U
T03	LW2-T03-REP1	5.6	0.63	0.3 J	0.26 J	0.53	5.8	0.88	14 JT	0.12 U	0.13 U	0.13 U
T03	LW2-T03-REP2	5.5	0.77	0.35 J	0.24 J	0.64	5	1	13.5 JT	0.12 U	0.13 U	0.13 U
T03	LW2-T03-REP3	6.9	0.77	0.35 J	0.3 J	0.64	6.8	1.1	16.9 JT	0.15 J	0.13 U	0.13 U
T04	LW2-T04 SC	6.15 U	1.96 J	0.764 J	1.78 J	2.07 U	11 U	23.5	28 JT	0.207 U	2.66	1.07 J
T04	LW2-T04-REP1	3.4	0.38 J	0.19 J	0.15 J	0.36 J	3 U	0.84	5.32 JT	0.27 J	0.13 U	0.13 U
T04	LW2-T04-REP2	3.3	0.41 J	0.15 J	0.17 J	0.39 J	2.8 U	0.62	5.04 JT	0.21 J	0.13 U	0.13 U
T04	LW2-T04-REP3	4	0.4 J	0.27 J	0.2 J	0.41 J	3.8	0.69	9.77 JT	0.32 J	0.13 U	0.13 U
02R001	LWG0102R001TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
02R001	LWG0102R001TSSPWBC00	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
02R015	LWG0102R015TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
02R015	LWG0102R015TSSPWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R001	LWG0103R001TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R001	LWG0103R001TSSPWBC00	31 UT	47 UT	31 UT	31 UT	31 UT	31 UT	31 UT	47 UT	31 UT	31 UT	31 UT
03R002	LWG0103R002TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R002	LWG0103R002TSSPWBC10	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
03R002	LWG0103R002TSSPWBC20	32 UT	45 JT	32 UT	32 UT	32 UT	32 UT	32 UT	45 JT	32 UT	32 UT	32 UT
03R003	LWG0103R003TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	83 UT	83 UT	33 UT	33 UT	33 UT
03R004	LWG0103R004TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
03R004	LWG0103R004TSSPWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R004	LWG0103R004TSSPWBC20	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
03R005	LWG0103R005TSCRWBC00	33 UT	83 UT	90 UT	33 UT	70 UT	70 UT	33 UT	90 UT	33 UT	33 UT	33 UT
03R005	LWG0103R005TSSPWBC00	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
03R014	LWG0103R014TSLSWBC10	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT
03R014	LWG0103R014TSLSWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R014	LWG0103R014TSSBWBC00	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
03R032	LWG0103R032TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
03R032	LWG0103R032TSSPWBC00	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT
03R034	LWG0103R034TSSPWBC00	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
04R002	LWG0104R002TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
04R002	LWG0104R002TSSPWBC00	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
04R003	LWG0104R003TSCRWBC00	73 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	73 UT	33 UT	33 UT	33 UT
04R003	LWG0104R003TSSPWBC00	32 UT	32 JT	32 UT	32 UT	32 UT	32 UT	32 UT	32 JT	32 UT	32 UT	32 UT
04R004	LWG0104R004TSCRWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
04R004	LWG0104R004TSCRWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	66 UT	93 UT	93 UT	33 UT	33 UT	33 UT

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Table C2-59. PAH Values Used in Total PAH Calculations

	CAS No	205-99-2	207-08-9	BKBFLANTH	BBJFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Benzo(b+j) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
BT008	LW2-BTLW008	180	110			35	290	440	34	370	1750 T	1840 T
BT009	LW2-BTLW009	61	44			14	160	420	10	340	1150 T	1310 T
BT010	LW2-BTLW010	39	23			13	75	140	10	130	486 T	564 JT
BT011	LW2-BTLW011	61	47			18	170	330	12	320	1070 T	1210 T
BT012	LW2-BTLW012	1500	960			600	2500	5500	580	6100	20200 T	23300 T
BT013	LW2-BTLW013	59	46			22	170	390	15	370	1180 T	1380 T
BT014	LW2-BTLW014	1600	1500			720	3900	10000	670	11000	33600 T	37300 T
BT015	LW2-BTLW015	440	360			140	1600	4600	110	5400	14000 T	17800 T
BT016	LW2-BTLW016	45	28			10	83	140	7.9	120	499 T	550 T
BT017	LW2-BTLW017	200	170			70	650	1300	54	1400	4370 T	5050 T
BT018	LW2-BTLW018	200	130			42	470	1700	32	1500	4490 T	5080 T
BT019	LW2-BTLW019	27	14			4.8	51	93	3	70	294 T	314 JT
BT020	LW2-BTLW020	29	20			8	72	180	7.2	150	510 T	600 T
BT021	LW2-BTLW021	32	20			10	89	200	7.9	170	588 T	673 T
BT022	LW2-BTLW022	48	24			13	82	84	8.6	110	418 T	458 T
BT023	LW2-BTLW023	140	88			25	320	560	19	530	1900 T	2250 T
BT024	LW2-BTLW024	99	39			19	150	280	24	250	972 T	1000 T
BT025	LW2-BTLW025	15	8.7			4.4	42	92	3.3	76	266 T	337 T
BT026	LW2-BTLW026	38	19			8.8	86	120	6.1	130	451 T	502 T
BT0271	LW2-BTLW027-1	12	7.3			4.4	26	41	2.3	38	146 T	173 T
BT0272	LW2-BTLW027-2	11	6.7			4.2	25	37	2.2	35	136 T	161 JT
BT028	LW2-BTLW028	35	22			8.7	110	290	5.8	250	788 T	1140 T
BT029	LW2-BTLW029	28	13			8.4	52	46	5.3	67	240 T	262 T
BT030	LW2-BTLW030	41	29			17	87	340	12	240	836 T	1100 T
BT031	LW2-BTLW031	7.7	3.9			4	14	15	2	16	70.7 T	83 T
BT032	LW2-BTLW032	19	8.4			6.5	54	73	3.7	80	265 T	320 T
BT033	LW2-BTLW033	11	6.3			4.4	23	37	2.1	32	129 T	147 JT
T01	LW2-T01 SC		7.12		18	6.04 J	42.4	109 J	5 J	64.3 J	261 JT	402 JT
T01	LW2-T01-NOAA SC		5.2 J		9.35 J	4.01 U	22.2	49.4 J	3.91 U	33.7 J	128 JT	196 JT
T01	LW2-T01-REP1	0.26 J	0.14 U			0.18 U	0.2 U	0.97	0.17 U	0.35 J	1.58 JT	9.96 JT
T01	LW2-T01-REP2	0.18 J	0.33 J			0.18 U	0.2 U	0.93	0.17 U	0.41 J	1.85 JT	17.9 JT
T01	LW2-T01-REP3	0.32 J	0.18 J			0.18 U	0.94	1.5	0.17 U	0.67	3.8 JT	13.8 JT
T02	LW2-T02 SC		7.04 J		11.2	5.65 U	29.4	75.1 J	4.64 J	60.1 J	200 JT	272 JT
T02	LW2-T02-NOAA SC		23.8		35.3	7.3 J	97.7	475 J	8.51 J	301 J	1050 JT	2460 JT
T02	LW2-T02-REP1	0.26 J	0.15 J			0.18 U	0.28 J	1.1	0.17 U	0.74	2.94 JT	14.4 JT
T02	LW2-T02-REP2	0.16 U	0.2 J			0.18 U	0.2 U	0.7	0.17 U	0.46 J	1.36 JT	12.9 JT
T02	LW2-T02-REP3	0.21 J	0.16 J			0.19 U	0.35 J	1.1	0.17 U	0.77	2.79 JT	14.2 JT
T03	LW2-T03 SC		1.95 J		2.85 J	2.44 U	6.97 J	20.5 J	1.86 U	15.7 J	49.9 JT	95.5 JT
T03	LW2-T03-REP1	0.16 U	0.14 U			0.18 U	0.2 U	0.37 U	0.17 U	0.29 U	0.37 UT	14 JT
T03	LW2-T03-REP2	0.16 J	0.14 U			0.18 U	0.2 U	0.46 J	0.17 U	0.31 J	0.93 JT	14.4 JT
T03	LW2-T03-REP3	0.16 U	0.14 U			0.18 U	0.2 U	0.46 J	0.17 U	0.35 J	0.96 JT	17.8 JT
T04	LW2-T04 SC		1.86 J		2.43	2.3 U	8.01	24.3 J	1.27 U	19.1 J	59.4 JT	87.4 JT
T04	LW2-T04-REP1	0.16 U	0.14 U			0.18 U	0.2 U	0.61	0.17 U	0.49 J	1.37 JT	6.69 JT
T04	LW2-T04-REP2	0.16 U	0.14 U			0.18 U	0.2 U	0.37 U	0.17 U	0.29 U	0.21 JT	5.25 JT
T04	LW2-T04-REP3	0.16 U	0.14 U			0.18 U	0.2 U	0.37 U	0.17 U	0.29 U	0.32 JT	10.1 JT
02R001	LWG0102R001TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
02R001	LWG0102R001TSSPWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
02R015	LWG0102R015TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
02R015	LWG0102R015TSSPWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R001	LWG0103R001TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R001	LWG0103R001TSSPWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	47 UT
03R002	LWG0103R002TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R002	LWG0103R002TSSPWBC10	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
03R002	LWG0103R002TSSPWBC20	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	45 JT
03R003	LWG0103R003TSCRWBC00	33 UT	33 UT			70 UT	33 UT	93 UT	33 UT	50 UT	93 UT	93 UT
03R004	LWG0103R004TSCRWBC00	33 UT	33 UT			33 UT	33 UT	93 UT	33 UT	50 UT	93 UT	93 UT
03R004	LWG0103R004TSSPWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R004	LWG0103R004TSSPWBC20	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
03R005	LWG0103R005TSCRWBC00	33 UT	33 UT			33 UT	33 UT	96 UT	33 UT	53 UT	96 UT	96 UT
03R005	LWG0103R005TSSPWBC00	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
03R014	LWG0103R014TSLSWBC10	26 UT	26 UT			26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT
03R014	LWG0103R014TSLSWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R014	LWG0103R014TSSBWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
03R032	LWG0103R032TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT
03R032	LWG0103R032TSSPWBC00	29 UT	29 UT			29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 UT
03R034	LWG0103R034TSSPWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
04R002	LWG0104R002TSCRWBC00	33 UT	33 UT			33 UT	33 UT	93 UT	33 UT	53 UT	93 UT	93 UT
04R002	LWG0104R002TSSPWBC00	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
04R003	LWG0104R003TSCRWBC00	33 UT	33 UT			33 UT	33 UT	93 JT	33 UT	50 UT	93 JT	93 JT
04R003	LWG0104R003TSSPWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 JT
04R004	LWG0104R004TSCRWBC10	33 UT	33 UT			33 UT	33 UT	93 UT	33 UT	50 UT	93 UT	93 UT
04R004	LWG0104R004TSCRWBC20	33 UT	33 UT			33 UT	33 UT	110 T	33 UT	60 T	170 T	170 T

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Table C2-59. PAH Values Used in Total PAH Calculations for Tissue Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methyln aphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthrace ne	Benzo(a)anthracene	Benzo(a)pyrene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
04R004	LWG0104R004TSSPWBC00	28 UT	31 T	28 UT	28 UT	28 UT	28 UT	28 UT	31 T	28 UT	28 UT	28 UT
04R023	LWG0104R023TSSBWBC10	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
04R023	LWG0104R023TSSBWBC20	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
04R023	LWG0104R023TSSBWBC30	30 UT	36 T	30 UT	30 UT	30 UT	30 UT	30 UT	36 T	30 UT	30 UT	30 UT
05R001	LWG0105R001TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	69 UT	33 UT	69 UT	33 UT	33 UT	33 UT
05R001	LWG0105R001TSSPWBC00	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
05R003	LWG0105R003TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
05R006	LWG0105R006TSLSWBC00	32 UT	39 UT	32 UT	32 UT	42 JT	32 UT	32 UT	42 JT	32 UT	32 UT	32 UT
05R006	LWG0105R006TSSBWBC00	31 UT	37 UT	31 UT	31 UT	31 JT	31 UT	31 UT	31 JT	31 UT	31 UT	31 UT
05R020	LWG0105R020TSSPWBC00	31 UT	37 T	31 UT	31 UT	31 UT	31 UT	31 UT	37 T	31 UT	31 UT	31 UT
06R001	LWG0106R001TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
06R001	LWG0106R001TSSPWBC00	27 UT	44 T	27 UT	27 UT	30 UT	27 UT	27 UT	44 T	27 UT	27 UT	27 UT
06R002	LWG0106R002TSCAWBC00	33 UT	36 UT	33 UT	33 UT	33 UT	33 UT	33 UT	36 UT	33 UT	33 UT	33 UT
06R002	LWG0106R002TSSPWBC10	33 UT	40 UT	33 UT	33 UT	33 UT	33 UT	33 UT	40 UT	33 UT	33 UT	33 UT
06R002	LWG0106R002TSSPWBC20	33 UT	42 T	33 UT	33 UT	33 UT	33 UT	33 UT	42 T	33 UT	33 UT	33 UT
06R004	LWG0106R004TSCRWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
06R004	LWG0106R004TSCRWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT	97 T	97 T	33 UT	80 JT	33 UT
06R004	LWG0106R004TSSPWBC00	30 UT	57 T	30 UT	30 UT	33 T	42 T	30 UT	132 T	30 UT	30 UT	30 UT
06R024	LWG0106R024TSSBWBC00	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
06R031	LWG0106R031TSCRWBC00	73 UT	33 UT	33 UT	33 UT	70 UT	73 UT	33 UT	73 UT	33 UT	33 UT	33 UT
07R003	LWG0107R003TSCAWBC00	32 UT	58 UT	32 UT	32 UT	32 UT	32 UT	32 UT	58 UT	32 UT	32 UT	32 UT
07R003	LWG0107R003TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
07R003	LWG0107R003TSSPWBC00	29 UT	29 T	29 UT	29 UT	29 UT	29 UT	29 UT	29 T	29 UT	29 UT	29 UT
07R004	LWG0107R004TSCRWBC00	37 UT	37 UT	37 UT	37 UT	37 UT	82 UT	37 UT	82 UT	37 UT	37 UT	37 UT
07R006	LWG0107R006TSCAWBC00	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	50 JT	34 UT
07R006	LWG0107R006TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
07R006	LWG0107R006TSSPWBC00	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
07R009	LWG0107R009TSLSWBC00	49 T	65 UT	26 UT	26 UT	44 JT	54 T	26 UT	147 JT	26 UT	26 UT	26 UT
07R009	LWG0107R009TSSBWBC10	46 T	57 T	29 UT	29 UT	49 T	51 T	49 T	252 T	29 UT	29 UT	29 UT
07R009	LWG0107R009TSSBWBC20	43 T	76 UT	25 UT	25 UT	25 UT	86 T	25 UT	129 T	25 UT	25 UT	25 UT
07R009	LWG0107R009TSSBWBC30	59 T	95 T	33 UT	33 UT	69 T	33 UT	85 T	308 T	33 UT	33 UT	33 UT
08R001	LWG0108R001TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
08R001	LWG0108R001TSSPWBC00	29 UT	32 T	29 UT	29 UT	29 UT	29 UT	29 UT	32 T	29 UT	29 UT	29 UT
08R002	LWG0108R002TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
08R002	LWG0108R002TSSPWBC00	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT
08R003	LWG0108R003TSCRWBC00	17 UT	53 UT	17 UT	17 UT	17 UT	17 UT	17 UT	53 UT	17 UT	17 UT	17 UT
08R003	LWG0108R003TSSPWBC00	29 UT	41 T	29 UT	29 UT	29 UT	29 UT	29 UT	41 T	29 UT	29 UT	29 UT
08R010	LWG0108R010TSLSWBC00	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
08R010	LWG0108R010TSSBWBC10	33 UT	40 T	33 UT	33 UT	33 UT	33 UT	33 UT	40 T	33 UT	33 UT	33 UT
08R010	LWG0108R010TSSBWBC20	45 T	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	45 T	32 UT	32 UT	32 UT
08R010	LWG0108R010TSSBWBC30	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
08R032	LWG0108R032TSSBWBC00	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
09R001	LWG0109R001TSCRWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R001	LWG0109R001TSCRWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R001	LWG0109R001TSSPWBC00	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT
09R002	LWG0109R002TSCRWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R002	LWG0109R002TSSPWBC00	31 UT	100 UT	31 UT	31 UT	31 UT	31 UT	31 UT	100 UT	31 UT	31 UT	31 UT
09R006	LWG0109R006TSLSWBC00	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT
09R006	LWG0109R006TSSBWBC00	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
20R001	LWG0120R001TSBBWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSBBWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC30	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
28R001	LWG0128R001TSBBWBC00	73 UT	33 UT	33 UT	86 UT	66 UT	70 UT	83 UT	86 UT	33 UT	33 UT	33 UT
28R001	LWG0128R001TSSBWBC10	73 UT	33 UT	33 UT	33 UT	66 UT	70 UT	33 UT	73 UT	33 UT	33 UT	33 UT
28R001	LWG0128R001TSSBWBC20	33 UT	33 UT	33 UT	33 UT	66 UT	70 UT	33 UT	70 UT	33 UT	33 UT	33 UT
28R001	LWG0128R001TSSBWBC30	73 UT	33 UT	33 UT	33 UT	33 UT	70 UT	33 UT	73 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBFLC10	33 UT	33 UT	33 UT	83 UT	33 UT	33 UT	96 UT	96 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBFLC20	70 UT	83 UT	33 UT	90 UT	73 UT	70 UT	110 JT	110 JT	33 UT	76 UT	80 UT
FZ0306	LWG01FZ0306TSBBFLC30	33 UT	97 UT	33 UT	93 UT	87 UT	73 UT	140 T	140 T	33 UT	33 UT	77 UT
FZ0306	LWG01FZ0306TSBBWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBWBC30	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	60 T	60 T	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSCPWBC10	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0306	LWG01FZ0306TSCPWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSCPWBC30	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0609	LWG01FZ0609TSBBFLC10	33 UT	33 UT	33 UT	33 UT	33 UT	66 UT	33 UT	66 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBFLC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBFLC30	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBWBC10	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBWBC20	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT

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Table C2-59. PAH Values Used in Total PAH Calculations

	CAS No	205-99-2	207-08-9	BKBFLANTH	BBJFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Benzo(b+j) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
04R004	LWG0104R004TSSPWBC00	28 UT	28 UT			28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	31 T
04R023	LWG0104R023TSSBWBC10	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
04R023	LWG0104R023TSSBWBC20	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
04R023	LWG0104R023TSSBWBC30	30 UT	30 UT			30 UT	30 UT	36 T	30 UT	39 T	75 T	111 T
05R001	LWG0105R001TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	69 UT
05R001	LWG0105R001TSSPWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
05R003	LWG0105R003TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT
05R006	LWG0105R006TSLSWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	42 JT
05R006	LWG0105R006TSSBWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 JT
05R020	LWG0105R020TSSPWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	37 T
06R001	LWG0106R001TSCRWBC00	33 UT	33 UT			33 UT	33 UT	100 UT	33 UT	56 UT	100 UT	100 UT
06R001	LWG0106R001TSSPWBC00	27 UT	27 UT			27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	44 T
06R002	LWG0106R002TSCAWBC00	33 UT	33 UT			33 UT	33 UT	42 T	33 UT	42 T	84 T	84 T
06R002	LWG0106R002TSSPWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	40 UT
06R002	LWG0106R002TSSPWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	42 T
06R004	LWG0106R004TSCRWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	50 UT	50 UT	70 UT
06R004	LWG0106R004TSCRWBC20	63 UT	77 UT			33 UT	87 T	130 T	33 UT	83 T	380 JT	477 JT
06R004	LWG0106R004TSSPWBC00	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	132 T
06R024	LWG0106R024TSSBWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
06R031	LWG0106R031TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	73 UT
07R003	LWG0107R003TSCAWBC00	32 UT	32 UT			81 UT	32 UT	55 T	32 UT	87 T	142 T	142 T
07R003	LWG0107R003TSCRWBC00	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
07R003	LWG0107R003TSSPWBC00	29 UT	29 UT			29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	29 T
07R004	LWG0107R004TSCRWBC00	37 UT	37 UT			37 UJT	37 UT	37 UT	37 UT	64 UT	64 UT	82 UT
07R006	LWG0107R006TSCAWBC00	31 UT	31 UT			160 UT	53 JT	81 T	31 UT	84 T	268 JT	268 JT
07R006	LWG0107R006TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
07R006	LWG0107R006TSSPWBC00	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
07R009	LWG0107R009TSLSWBC00	26 UT	26 UT			26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	147 JT
07R009	LWG0107R009TSSBWBC10	29 UT	29 UT			29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	252 T
07R009	LWG0107R009TSSBWBC20	25 UT	25 UT			25 UT	25 UT	25 UT	25 UT	25 UT	25 UT	129 T
07R009	LWG0107R009TSSBWBC30	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	308 T
08R001	LWG0108R001TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
08R001	LWG0108R001TSSPWBC00	29 UT	29 UT			29 UT	29 UT	29 UT	29 UT	29 UT	29 UT	32 T
08R002	LWG0108R002TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
08R002	LWG0108R002TSSPWBC00	28 UT	28 UT			28 UT	28 UT	28 UT	28 UT	28 UT	28 UT	28 UT
08R003	LWG0108R003TSCRWBC00	17 UT	17 UT			17 UT	17 UT	17 UT	17 UT	17 UT	17 UT	53 UT
08R003	LWG0108R003TSSPWBC00	29 UT	29 UT			29 UT	29 UT	29 UT	29 UT	33 UT	33 UT	41 T
08R010	LWG0108R010TSLSWBC00	30 UT	30 UT			30 UT	30 UT	30 UT	30 UT	30 UT	30 UT	30 UT
08R010	LWG0108R010TSSBWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	40 T
08R010	LWG0108R010TSSBWBC20	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	45 T
08R010	LWG0108R010TSSBWBC30	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	31 UT
08R032	LWG0108R032TSSBWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
09R001	LWG0109R001TSCRWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R001	LWG0109R001TSCRWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R001	LWG0109R001TSSPWBC00	27 UT	27 UT			27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT
09R002	LWG0109R002TSCRWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
09R002	LWG0109R002TSSPWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	100 UT
09R006	LWG0109R006TSLSWBC00	26 UT	26 UT			26 UT	26 UT	26 UT	26 UT	26 UT	26 UT	26 UT
09R006	LWG0109R006TSSBWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
20R001	LWG0120R001TSBBWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSBBWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC10	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
20R001	LWG0120R001TSSBWBC30	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
28R001	LWG0128R001TSBBWBC00	33 UT	33 UT			33 UT	33 UT	93 UT	33 UT	50 UT	93 UT	93 UT
28R001	LWG0128R001TSSBWBC10	60 UT	70 UT			33 UT	33 UT	93 UT	33 UT	33 UT	93 UT	93 UT
28R001	LWG0128R001TSSBWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	70 UT
28R001	LWG0128R001TSSBWBC30	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	73 UT
FZ0306	LWG01FZ0306TSBBFLC10	33 UT	33 UT			33 UJT	33 UT	96 UT	33 UT	50 UT	96 UT	96 UT
FZ0306	LWG01FZ0306TSBBFLC20	63 UT	73 UT			33 UJT	80 UT	110 UT	33 UT	56 UT	110 UT	110 JT
FZ0306	LWG01FZ0306TSBBFLC30	33 UT	33 UT			33 UJT	33 UT	110 T	33 UT	60 UT	110 T	250 T
FZ0306	LWG01FZ0306TSBBWBC10	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBWBC20	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSBBWBC30	33 UT	33 UT			33 UJT	33 UT	40 T	33 UT	33 UT	40 T	100 T
FZ0306	LWG01FZ0306TSCPWBC10	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0306	LWG01FZ0306TSCPWBC20	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0306	LWG01FZ0306TSCPWBC30	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0609	LWG01FZ0609TSBBFLC10	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	66 UT
FZ0609	LWG01FZ0609TSBBFLC20	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBFLC30	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSBBWBC10	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	46 UT	46 UT	46 UT
FZ0609	LWG01FZ0609TSBBWBC20	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	49 UT	49 UT	49 UT

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Table C2-59. PAH Values Used in Total PAH Calculations for Tissue Samples.

	CAS No	91-57-6	83-32-9	208-96-8	120-12-7	86-73-7	91-20-3	85-01-8	LPAH	53-70-3	56-55-3	50-32-8
	Chemical Name	2-Methyln aphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluorene	Naphthalene	Phenanthrene	Low Molecular Weight PAH	Dibenzo(a,h)anthrace ne	Benzo(a)anthracene	Benzo(a)pyrene
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
FZ0609	LWG01FZ0609TSBBWBC30	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSCPWBC10	38 T	75 T	31 UT	31 UT	53 T	56 JT	31 UT	222 JT	31 UT	31 UT	31 UT
FZ0609	LWG01FZ0609TSCPWBC20	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0609	LWG01FZ0609TSCPWBC30	33 UT	65 T	33 UT	33 UT	33 UT	46 T	33 UT	111 T	33 UT	33 UT	33 UT
02R102	LWG1A02R102TSSCWBC00	32 UT	41 UT	32 UT	32 UT	32 UT	32 UT	32 UT	41 UT	32 UT	32 UT	32 UT
02R112	LWG1A02R112TSSCWBC00	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
02R113	LWG1A02R113TSSCWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 T	33 UT	33 T	33 UT	33 UT	33 UT
03R118	LWG1A03R118TSSCWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R125	LWG1A03R125TSSCWBC00	31 UT	38 UT	31 UT	31 UT	31 UT	31 UT	31 UT	38 UT	31 UT	31 UT	31 UT
04R126	LWG1A04R126TSSCWBC00	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
26R111	LWG1A26R111TSSCWBC00	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT
WR-PG-Ref03	WLCDRD050184G	1.1	0.33 J	0.34 J	0.74	0.92	0.96 U	8	11.4 JT	0.13 J	0.51	0.26 J
WR-PG-Ref03	WLCDRD050187G	0.15 U	0.53	0.24 J	0.65	0.72	0.72 U	2.6	4.74 JT	0.14 J	1.1	0.82
WR-VC-11	WLCDRD05WRVC011Clam	1.1 U	0.81	0.2 J	1.3	1.3	1.5 U	11	14.6 JT	0.11 U	0.93	0.44 J
WR-VC-11	WLCDRD05WRVC011Worm	1.1 U	21	1.8	9.9	9.6	1.6 U	59	101 T	1.8	35	23
WR-VC-28	WLCDRD05WRVC028Clam	2	1.1	0.18 J	2.2	2.6	2.1 U	22	30.1 JT	0.11 U	2.2	0.74
WR-VC-28	WLCDRD05WRVC028Worm	1.8	68	3.5	19	29	3.1 U	200	321 T	5.1	150	70
WR-VC-29	WLCDRD05WRVC029Clam	1.9	0.56	0.15 J	1.3	1.7	2 U	15	20.6 JT	0.11 U	0.43 J	0.44 J
WR-VC-29	WLCDRD05WRVC029Worm	0.87 U	2.6	0.33 J	1.9	3.3	1.5 U	13	21.1 JT	0.47 J	8.8	3.3
WR-VC-43	WLCDRD05WRVC043Clam	1.4 J	0.5	0.27 J	0.84	1.1	1.8 U	9.6	13.7 JT	0.15 J	0.82	0.55
WR-VC-43	WLCDRD05WRVC043Worm	0.71 U	1.7	0.56	1.5	1.8	1.4 U	8.2	13.8 T	0.46 J	6.8	4
WR-VC-46	WLCDRD05WRVC046Clam	1 U	11	0.52	5.8	11	2.1 U	140	168 T	0.49 J	22	8.8
WR-VC-46	WLCDRD05WRVC046Worm	1.2	460	12	52	230	2.4 U	2800	3560 T	53	820	750
WR-VC-57	WLCDRD05WRVC057Clam	1.1 U	0.5	0.2 J	1	1.1	1.7 U	9.9	12.7 JT	0.11 U	0.99	0.42 J
WR-VC-57	WLCDRD05WRVC057Worm	0.61 U	2.1	0.59	3	2.8	1.3 U	14	22.5 T	0.82	12	6.9
WR-VC-66	WLCDRD05WRVC066Clam	1.2	0.71	0.19 J	1.6	1.4	1.6 U	12	17.1 JT	0.11 U	1.7	0.57
WR-VC-66	WLCDRD05WRVC066Worm	0.99 U	9.5	1.3	8.1	6.6	1.4 U	36	61.5 T	2.1	42	27
WR-VC-72	WLCDRD05WRVC072Clam	1.6	0.55	0.17 J	1.2	1.5	1.7 U	13	18 JT	0.11 U	0.85	0.58
WR-VC-72	WLCDRD05WRVC072Worm	1.1 U	8.3	1.1	7.3	6.9	1.9 U	30	53.6 T	1.7	34	15
WR-VC-108	WLCDRD05WRVC108Clam	3.5	1.6	0.4 J	4.1	4.4	2.4 U	27	41 JT	0.11 U	2	0.64
WR-VC-108	WLCDRD05WRVC108Worm	57	31	3.9	19	28	2.8 U	120	259 T	2.2	53	17
WR-VC-118	WLCDRD05WRVC118Clam	1.7	0.53	0.17 J	0.91	1.3	2.1 U	12	16.6 JT	0.11 U	0.73	0.47 J
WR-VC-118	WLCDRD05WRVC118Worm	0.74 U	2.4	0.42 J	2.3	2.6	1.6 U	11	18.7 JT	0.53	9.3	3.6
Clackamas Fish Hatcher	WLTASE03CFH03254200	4.2 U	4 U	4 U	4 U	1.8 J	4 U	4.1 U	1.8 JT	4 U	16 U	4 U
Clackamas Fish Hatcher	WLTASE03CFH03254201	5.4	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	5.4 T	3.8 U	15 U	3.8 U
Clackamas Fish Hatcher	WLTASE03CFH03254202	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 UT	3.8 U	15 U	3.8 U
Clackamas Fish Hatcher	WLTASE03CFH03254220	5.2	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	5.2 T	3.9 U	16 U	3.9 U
Clackamas Fish Hatcher	WLTASE03CFH03254221	5.7	3.9 U	3.9 U	3.9 U	0.8 J	3.9 U	3.9 U	6.5 JT	3.9 U	15 U	3.9 U
Clackamas Fish Hatcher	WLTASE03CFH03254222	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 UT	3.9 U	16 U	3.9 U
Clackamas Fish Hatcher	WLTASE03CFH03254223	5.6 T	3.8 UT	3.8 UT	3.8 UT	3.8 UT	3.8 UT	3.8 UT	5.6 T	3.8 UT	15 UT	3.8 UT
RM 3.5-9.2	WLTASE03ISA03334750	3.8 UT	3.4 JT	3.8 UT	3.8 UT	3.8 UT	3.8 UT	3.8 UT	3.4 JT	3.8 UT	15 UT	3.8 UT
RM 3.5-9.2	WLTASE03ISA03334751	3.9 U	2.1 J	1 J	3.9 U	3.9 U	4.9 U	3.9 U	3.1 JT	3.9 U	16 U	3.9 U
RM 3.5-9.2	WLTASE03ISA03354100	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 UT	3.9 U	15 U	3.9 U
RM 3.5-9.2	WLTASE03ISA03354101	4.4	8.4	3.8 U	5.1	5.2	4.3 U	5.8 U	23.1 T	3.8 U	15 U	3.8 U
RM 3.5-9.2	WLTASE03ISA03354102	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	4.1 U	3.8 U	4.1 UT	3.8 U	15 U	3.8 U
Willamette Falls	WLTASE03WF03214300	20	2.5 J	1 J	1.7 J	4.8	9.9	8.2	48.1 JT	3.9 U	16 U	3.9 U
Willamette Falls	WLTASE03WF03214301	26	3.9 U	3.9 U	3.9 U	3.9 U	11	3.9	40.9 T	3.9 U	16 U	3.9 U
Willamette Falls	WLTASE03WF03214302	13 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	4.7 UJ	13 UJT	4.7 U	19 UJ	4.7 U
Willamette Falls	WLTASE03WF03214303	20 UJ	4.9 UJ	4.9 UJ	4.9 U	3.6 J	4.9 UJ	20 U	3.6 JT	4.9 U	20 U	4.9 U

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Table C2-59. PAH Values Used in Total PAH Calculations

	CAS No	205-99-2	207-08-9	BKBFLANTH	BBJFLANTH	191-24-2	218-01-9	206-44-0	193-39-5	129-00-0	HPAH	130498-29-2
	Chemical Name	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(b+k) fluoranthene	Benzo(b+j) fluoranthene	Benzo(g,h,i) perylene	Chrysene	Fluoranthene	Indeno (1,2,3-cd)pyrene	Pyrene	High Molecular Weight PAH	Total PAHs
	Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Location Name	**Sample ID**											
FZ0609	LWG01FZ0609TSBBWBC30	33 UT	33 UT			33 UJT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
FZ0609	LWG01FZ0609TSCPWBC10	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	222 JT
FZ0609	LWG01FZ0609TSCPWBC20	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
FZ0609	LWG01FZ0609TSCPWBC30	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	111 T
02R102	LWG1A02R102TSSCWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	41 UT
02R112	LWG1A02R112TSSCWBC00	32 UT	32 UT			32 UT	32 UT	32 UT	32 UT	32 UT	32 UT	32 UT
02R113	LWG1A02R113TSSCWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 T
03R118	LWG1A03R118TSSCWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
03R125	LWG1A03R125TSSCWBC00	31 UT	31 UT			31 UT	31 UT	31 UT	31 UT	31 UT	31 UT	38 UT
04R126	LWG1A04R126TSSCWBC00	33 UT	33 UT			33 UT	33 UT	33 UT	33 UT	33 UT	33 UT	33 UT
26R111	LWG1A26R111TSSCWBC00	27 UT	27 UT			27 UT	27 UT	27 UT	27 UT	27 UT	27 UT	27 UT
WR-PG-Ref03	WLCDRD050184G	0.36 J	0.16 J			0.22 J	2.6	9.4	0.18 J	4.5	18.3 JT	29.7 JT
WR-PG-Ref03	WLCDRD050187G	2.7	1.5			1.6	4.4	4.8	0.71	4.5	22.3 JT	27.04 JT
WR-VC-11	WLCDRD05WRVC011Clam	0.49 J	0.13 U			0.19 U	3.3	16	0.17 J	12	33.3 JT	47.9 JT
WR-VC-11	WLCDRD05WRVC011Worm	30	20			11	56	100	7.6	110	394 T	495 T
WR-VC-28	WLCDRD05WRVC028Clam	0.95	0.41 J			0.39 U	5.8	34	0.28 J	41	85.4 JT	115.5 JT
WR-VC-28	WLCDRD05WRVC028Worm	110	94			40	260	530	30	610	1900 T	2221 T
WR-VC-29	WLCDRD05WRVC029Clam	0.21 J	0.13 U			0.17 U	2.4	12	0.16 U	6.1	21.6 JT	42.2 JT
WR-VC-29	WLCDRD05WRVC029Worm	10	5.9			4.2	19	27	2.1	27	108 JT	129.1 JT
WR-VC-43	WLCDRD05WRVC043Clam	0.77	0.43 J			0.49 U	3.3	12	0.51	6.8	25.3 JT	39 JT
WR-VC-43	WLCDRD05WRVC043Worm	8.1	4.2			4.1	14	19	2.1	20	82.8 JT	96.6 JT
WR-VC-46	WLCDRD05WRVC046Clam	13	5.6			5.5	36	270	3.5	290	655 JT	823 JT
WR-VC-46	WLCDRD05WRVC046Worm	730	520			380	1300	3400	320	3800	12100 T	15660 T
WR-VC-57	WLCDRD05WRVC057Clam	0.54	0.13 U			0.22 U	3.5	14	0.16 U	8.5	28 JT	40.7 JT
WR-VC-57	WLCDRD05WRVC057Worm	12	7.2			6.5	25	31	3.2	34	139 T	161.5 T
WR-VC-66	WLCDRD05WRVC066Clam	0.84	0.33 J			0.31 U	5.2	23	0.26 J	22	53.9 JT	71 JT
WR-VC-66	WLCDRD05WRVC066Worm	33	22			13	71	110	7.9	130	458 T	519.5 T
WR-VC-72	WLCDRD05WRVC072Clam	0.52	0.13 U			0.27 U	3	14	0.18 J	12	31.1 JT	49.1 JT
WR-VC-72	WLCDRD05WRVC072Worm	29	20			11	66	98	6.6	110	391 T	444.6 T
WR-VC-108	WLCDRD05WRVC108Clam	0.8	0.26 J			0.28 U	5.7	25	0.18 J	31	65.6 JT	106.6 JT
WR-VC-108	WLCDRD05WRVC108Worm	32	19			12	94	150	6.3	180	566 T	825 T
WR-VC-118	WLCDRD05WRVC118Clam	0.26 J	0.13 U			0.17 U	2.5	11	0.16 U	6.9	21.9 JT	38.5 JT
WR-VC-118	WLCDRD05WRVC118Worm	9	4.6			4.5	20	25	2	27	106 T	124.7 JT
Clackamas Fish Hatcher	WLTASE03CFH03254200	7.9 U	4 U	7.9 U		4 U	4 U	4 U	4 U	16 U	16 UT	1.8 JT
Clackamas Fish Hatcher	WLTASE03CFH03254201	7.6 U	3.8 U	7.6 U		3.8 U	3.8 U	3.8 U	3.8 U	15 U	15 UT	5.4 T
Clackamas Fish Hatcher	WLTASE03CFH03254202	7.7 U	3.8 U	7.7 U		3.8 U	3.8 U	3.8 U	3.8 U	15 U	15 UT	15 UT
Clackamas Fish Hatcher	WLTASE03CFH03254220	7.8 U	3.9 U	7.8 U		3.9 U	3.9 U	3.9 U	3.9 U	16 U	16 UT	5.2 T
Clackamas Fish Hatcher	WLTASE03CFH03254221	7.7 U	3.9 U	7.7 U		3.9 U	3.9 U	3.9 U	3.9 U	15 U	15 UT	6.5 JT
Clackamas Fish Hatcher	WLTASE03CFH03254222	7.8 U	3.9 U	7.8 U		3.9 U	3.9 U	3.9 U	3.9 U	16 U	16 UT	16 UT
Clackamas Fish Hatcher	WLTASE03CFH03254223	7.6 UT	3.8 UT	7.6 UT		3.8 UT	3.8 UT	1 JT	3.8 UT	15 UT	1 JT	6.6 JT
RM 3.5-9.2	WLTASE03ISA03334750	7.6 UT	3.8 UT	7.6 UT		3.8 UT	3.8 UT	1.3 JT	3.8 UT	1.2 JT	2.5 JT	5.9 JT
RM 3.5-9.2	WLTASE03ISA03334751	7.8 U	3.9 U	7.8 U		3.9 U	3.9 U	0.9 J	3.9 U	16 U	0.9 JT	4 JT
RM 3.5-9.2	WLTASE03ISA03354100	7.7 U	3.9 U	7.7 U		3.9 U	3.9 U	3.9 U	3.9 U	15 U	15 UT	15 UT
RM 3.5-9.2	WLTASE03ISA03354101	7.6 U	3.8 U	7.6 U		3.8 U	3.8 U	3.8 U	3.8 U	15 U	15 UT	23.1 T
RM 3.5-9.2	WLTASE03ISA03354102	7.6 U	3.8 U	7.6 U		3.8 U	3.8 U	3.8 U	3.8 U	15 U	15 UT	15 UT
Willamette Falls	WLTASE03WF03214300	7.8 U	3.9 U	7.8 U		3.9 U	54 U	7.6	3.9 U	2 J	9.6 JT	57.7 JT
Willamette Falls	WLTASE03WF03214301	7.9 U	3.9 U	7.9 U		3.9 U	3.9 U	11	3.9 U	1.4 J	12.4 JT	53.3 JT
Willamette Falls	WLTASE03WF03214302	9.4 U	4.7 U	9.4 U		4.7 U	4.7 UJ	4.7 UJ	4.7 U	19 UJ	19 UJT	19 UJT
Willamette Falls	WLTASE03WF03214303	9.9 U	4.9 U	9.9 U		4.9 U	4.9 U	4.9 U	4.9 U	20 U	20 UT	3.6 JT

Notes:

J - The associated numerical value is an estimated quantity.

T - The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

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Table C3-1. Percent Fines for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	_loc1	_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Fines	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	2.89
25	10	Fines	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	20.4
25	10	Fines	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	4.95
25	10	Fines	LW2-C067	LW2-C067-A	LW2-G067	LW2-G067	7617422	717980.1	7617424	717971	02-Nov-04	East	3.59	0	30	60.7
25	10	Fines	LW2-C112	LW2-C112-A	LW2-G112	LW2-G112	7618499	715670.5	7618500	715673.6	02-Nov-04	East	4.04	0	30	80.4
25	10	Fines	LW2-C138	LW2-C138-A	LW2-G138	LW2-G138	7618120	712439.8	7618117	712434.4	30-Sep-04	West	4.60	0	30	33.8
25	10	Fines	LW2-C144	LW2-C144-A	LW2-G144	LW2-G144	7618800	711732.9	7618808	711738.2	29-Sep-04	NavChan	4.80	0	30	85.4
25	10	Fines	LW2-C158	LW2-C158-A	LW2-G158	LW2-G158	7619023	711163.1	7619022	711161.9	28-Sep-04	West	4.90	0	30	77.8
25	10	Fines	LW2-C162	LW2-C162-A	LW2-G162	LW2-G162	7619154	710968.5	7619154	710962.4	28-Sep-04	West	4.96	0	30	66
25	10	Fines	LW2-C169	LW2-C169-A	LW2-G169	LW2-G169	7619389	710601.4	7619391	710603.8	22-Sep-04	NavChan	5.02	0	30	73.4
25	10	Fines	LW2-C171	LW2-C171-A	LW2-G171	LW2-G171	7619465	710498.9	7619460	710498.5	22-Sep-04	NavChan	5.04	0	30	76.7
25	10	Fines	LW2-C196	LW2-C196-A	LW2-G196	LW2-G196	7621768	708894.9	7621752	708903.8	30-Sep-04	NavChan	5.57	0	30	27.8
25	10	Fines	LW2-C221	LW2-C221-A	LW2-G221	LW2-G221	7621532	708103.3	7621536	708102.6	01-Oct-04	NavChan	5.61	0	30	14.5
25	10	Fines	LW2-C290	LW2-C290-A	LW2-G290	LW2-G290	7626161	705526.9	7626163	705528.1	22-Sep-04	East	6.66	0	30	9.51
25	10	Fines	LW2-C291	LW2-C291-A	LW2-G291	LW2-G291	7626800	705512.2	7626803	705518.8	19-Oct-04	East	6.76	0	30	87
25	10	Fines	LW2-C299	LW2-C299-A	LW2-G299	LW2-G299	7624685	705385.1	7624683	705378.5	22-Sep-04	NavChan	6.41	0	30	73.4
25	10	Fines	LW2-C301	LW2-C301-A	WR-WSI98SD068	WR-WSI98SD0680	7624556	705332.8	7624560	705336.4	08-Nov-04	West	6.39	0	30	61.8
25	10	Fines	LW2-C329	LW2-C329-A	LW2-G329	LW2-G329	7626334	704186.5	7626342	704185.7	28-Sep-04	West	6.82	0	30	4.99
25	10	Fines	LW2-C342	LW2-C342-A	LW2-G342	LW2-G342	7629490	703271.5	7629487	703271.6	20-Oct-04	East	7.40	0	30	80
25	10	Fines	LW2-C356	LW2-C356-A	LW2-G356	LW2-G356	7628143	702310.6	7628148	702306.2	09-Nov-04	West	7.37	0	30	87.6
25	10	Fines	LW2-C361	LW2-C361-A	LW2-G361	LW2-G361	7628841	701997.6	7628850	702001	04-Oct-04	NavChan	7.50	0	30	76.7
25	10	Fines	LW2-C379	LW2-C379-A	LW2-G379	LW2-G379	7633967	701104.2	7633968	701101.1	07-Oct-04	East	8.38	0	30	90.6
25	10	Fines	LW2-C380	LW2-C380-A	LW2-G380	LW2-G380	7634400	701093.5	7634411	701090.8	10-Nov-04	East	8.42	0	30	29
25	10	Fines	LW2-C397	LW2-C397-A	LW2-G397	LW2-G397	7634958	700280.6	7634964	700279.9	07-Oct-04	East	8.61	0	30	88.1
25	10	Fines	LW2-C400	LW2-C400-A	LW2-G400	LW2-G400	7631384	700179.6	7631382	700177.1	07-Oct-04	NavChan	8.08	0	30	51.4
25	10	Fines	LW2-C409	LW2-C409-A	LW2-G409	LW2-G409	7632425	699722.3	7632417	699714.6	26-Oct-04	East	8.27	0	30	61.4
25	10	Fines	LW2-C420	LW2-C420-A	LW2-G420	LW2-G420	7633250	699166.4	7633248	699161.6	06-Oct-04	East	8.46	0	30	67
25	10	Fines	LW2-C421	LW2-C421-A	LW2-G421	LW2-G421	7635857	699173.9	7635858	699170.3	07-Oct-04	East	8.84	0	30	78.1
25	10	Fines	LW2-C436	LW2-C436-A	LW2-G436	LW2-G436	7631909	697825.8	7631915	697833.5	07-Oct-04	West	8.45	0	30	65
25	10	Fines	LW2-C440	LW2-C440-A	LW2-G440	LW2-G440	7632320	697550.6	7632320	697554.3	06-Oct-04	West	8.54	0	30	89.2
25	10	Fines	LW2-C441	LW2-C441-A1	LW2-G441	LW2-G441	7632095	697534.9	7632091	697532	06-Oct-04	West	8.51	0	30	81.9
25	10	Fines	LW2-C447	LW2-C447-A	LW2-G447	LW2-G447	7632643	697108.3	7632623	697105.2	06-Oct-04	West	8.65	0	30	81.2
25	10	Fines	LW2-C448	LW2-C448-A	LW2-G448	LW2-G448	7633115	697081.3	7633101	697061.1	26-Oct-04	West	8.74	0	30	84.9
25	10	Fines	LW2-C461	LW2-C461-A	LW2-G461	LW2-G461	7634375	696295.3	7634380	696295.8	05-Oct-04	West	9.05	0	30	92.5
25	10	Fines	LW2-C471	LW2-C471-A	LW2-G471	LW2-G471	7635390	695999.4	7635391	696001.2	05-Oct-04	NavChan	9.24	0	30	75.1
25	10	Fines	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	82.4
25	10	Fines	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	48.3
25	10	Fines	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	86.9
25	10	Fines	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	78
25	10	Fines	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	3.78
25	10	Fines	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	42.7
25	10	Fines	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	83.1
25	10	Fines	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	26.7
25	10	Fines	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	56.3
25	10	Fines	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	51.9
25	10	Fines	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	78.8
25	10	Fines	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	27.4
25	10	Fines	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	28.4
25	10	Fines	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	22.1
25	10	Fines	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	49.6
25	10	Fines	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	78.5
25	10	Fines	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	16.1

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Table C3-1. Percent Fines for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	_loc1	_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Fines	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	62.4
25	10	Fines	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	61
25	10	Fines	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	51.6
25	10	Fines	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	74
25	10	Fines	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	34.1
25	10	Fines	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	3.15
25	10	Fines	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	21.6
25	10	Fines	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	82.8
25	10	Fines	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	73.2
25	10	Fines	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	76
25	10	Fines	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	19
25	10	Fines	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0017	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	62.9
25	10	Fines	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0016	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	62.9
25	10	Fines	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	87.2
25	10	Fines	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	87.6
25	10	Fines	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	76.7
25	10	Fines	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	2.05
25	10	Fines	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	101
25	10	Fines	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	62.3
25	10	Fines	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	88.1
25	10	Fines	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	61.9
25	10	Fines	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	92.8
25	10	Fines	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	57
25	10	Fines	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	82.3
25	10	Fines	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	84.8
25	10	Fines	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	14.3
25	10	Fines	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	27
25	10	Fines	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	16.8
25	10	Fines	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	16.8
25	10	Fines	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	14.1
25	10	Fines	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	34.8
25	10	Fines	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	34.8
25	10	Fines	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	13.7
25	10	Fines	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	34.6
25	10	Fines	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	16.2
25	10	Fines	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	16.2
25	10	Fines	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	9.83
25	10	Fines	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	12.2
25	10	Fines	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	12.2
25	10	Fines	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	15.2
25	10	Fines	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	76.6
25	10	Fines	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	90.9
25	10	Fines	GN-05-A-PG	LWG2-PG-GN5A	GN-05-A-PG-2	LWG2-PG-GN5A-2	7631921	697407.2	7631927	697408.9	02-Dec-05	West	8.51	0	27	57.2
25	10	Fines	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	01-Dec-05	West	6.23	0	26	35.7
25	10	Fines	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	01-Dec-05	West	4.18	0	20	0.8
25	10	Fines	WLCMBA01ED0130	WLCMBA01ED0130ED0130	WLCMBJ99D09943	WLCMBJ99D09943D09943	7657898	631453.4	7657898	631453.4	08-Jan-01	unk	23.90	0	38	21

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Table C3-1. Percent Fines for Collocated Surface Sediment Samples from the StudyArea. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_ loc2	RiverZone_ loc2	RiverMile_ loc2	UpperDepth_ loc2	LowerDepth_loc 2	VALUE_ loc2	lab_qualifiers_ loc2	detect_flag_ loc2	Units_loc2	qc_level
2.5	10	Fines	LW2-B021	T	Y	percent	12-Dec-05	8.19	West	0	10	48		Y	percent	
2.5	10	Fines	LW2-B022	T	Y	percent	27-Jul-04	8.40	West	0	15	25.6	T	Y	percent	
2.5	10	Fines	LW2-B025	T	Y	percent	29-Jul-04	9.40	West	0	15	4.72	JT	Y	percent	
2.5	10	Fines	LW2-C067		Y	percent	27-Jul-04	3.59	East	0	23	53.8	T	Y	percent	
2.5	10	Fines	LW2-C112		Y	percent	03-Aug-04	4.04	East	0	29	67.3	T	Y	percent	
2.5	10	Fines	LW2-C138		Y	percent	13-Aug-04	4.60	West	0	22	3.33	T	Y	percent	
2.5	10	Fines	LW2-C144	T	Y	percent	16-Aug-04	4.80	NavChan	0	28	86.8	T	Y	percent	
2.5	10	Fines	LW2-C158		Y	percent	18-Aug-04	4.90	West	0	27	78.3	T	Y	percent	
2.5	10	Fines	LW2-C162		Y	percent	18-Aug-04	4.96	West	0	29	72.8	T	Y	percent	
2.5	10	Fines	LW2-C169		Y	percent	11-Aug-04	5.02	NavChan	0	28	77.6	T	Y	percent	
2.5	10	Fines	LW2-C171		Y	percent	11-Aug-04	5.04	NavChan	0	27	86.3	T	Y	percent	
2.5	10	Fines	LW2-C196		Y	percent	19-Jul-04	5.57	NavChan	0	24	35.4	T	Y	percent	
2.5	10	Fines	LW2-C221	T	Y	percent	22-Jul-04	5.61	NavChan	0	27	21.9	T	Y	percent	
2.5	10	Fines	LW2-C290		Y	percent	20-Aug-04	6.66	East	0	27	26.6	T	Y	percent	
2.5	10	Fines	LW2-C291	T	Y	percent	20-Aug-04	6.76	East	0	28	94.3	T	Y	percent	
2.5	10	Fines	LW2-C299		Y	percent	19-Aug-04	6.41	NavChan	0	26	57.8	T	Y	percent	
2.5	10	Fines	LW2-C301		Y	percent	21-Sep-97	6.39		0	10	74.12		Y	percent	
2.5	10	Fines	LW2-C329		Y	percent	25-Aug-04	6.82	West	0	25	9.72	T	Y	percent	
2.5	10	Fines	LW2-C342	T	Y	percent	11-Oct-04	7.40	East	0	24	76.8	T	Y	percent	
2.5	10	Fines	LW2-C356		Y	percent	26-Aug-04	7.37	West	0	29	90.7	T	Y	percent	
2.5	10	Fines	LW2-C361		Y	percent	23-Aug-04	7.50	NavChan	0	28	80.2	T	Y	percent	
2.5	10	Fines	LW2-C379		Y	percent	09-Sep-04	8.38	East	0	28	90.3	T	Y	percent	
2.5	10	Fines	LW2-C380		Y	percent	22-Oct-04	8.42	East	0	22	5.94	T	Y	percent	
2.5	10	Fines	LW2-C397	T	Y	percent	24-Aug-04	8.61	East	0	29	93	T	Y	percent	
2.5	10	Fines	LW2-C400	T	Y	percent	27-Aug-04	8.08	NavChan	0	28	54	T	Y	percent	
2.5	10	Fines	LW2-C409		Y	percent	08-Oct-04	8.27	East	0	30	59.3	T	Y	percent	
2.5	10	Fines	LW2-C420	T	Y	percent	08-Oct-04	8.46	East	0	29	60	T	Y	percent	
2.5	10	Fines	LW2-C421		Y	percent	09-Sep-04	8.84	East	0	30	67.8	T	Y	percent	
2.5	10	Fines	LW2-C436		Y	percent	27-Aug-04	8.45	West	0	26	6.46	T	Y	percent	
2.5	10	Fines	LW2-C440		Y	percent	31-Aug-04	8.54	West	0	26	72.6	T	Y	percent	
2.5	10	Fines	LW2-C441		Y	percent	25-Aug-04	8.51	West	0	27	65.7	T	Y	percent	
2.5	10	Fines	LW2-C447		Y	percent	31-Aug-04	8.65	West	0	25	75.2	T	Y	percent	
2.5	10	Fines	LW2-C448		Y	percent	31-Aug-04	8.72	West	0	30	71.4	T	Y	percent	
2.5	10	Fines	LW2-C461		Y	percent	31-Aug-04	9.05	West	0	27	79.9	T	Y	percent	
2.5	10	Fines	LW2-C471	T	Y	percent	31-Aug-04	9.24	NavChan	0	28	73.4	T	Y	percent	
2.5	10	Fines	LW2-C527		Y	percent	21-Sep-97	6.10		0	10	82.14		Y	percent	
2.5	10	Fines	LW2-C533		Y	percent	22-Oct-04	6.83	East	0	23	31.8	T	Y	percent	
2.5	10	Fines	LW2-D1	T	Y	percent	05-Nov-04	2.00	West	0	29	86.7	T	Y	percent	
2.5	10	Fines	LW2-G007	T	Y	percent	20-Jul-04	2.10	East	0	27	90.6	T	Y	percent	
2.5	10	Fines	LW2-G019	T	Y	percent	19-Dec-05	2.28	East	0	10	17.7		Y	percent	
2.5	10	Fines	LW2-G023	T	Y	percent	04-Aug-04	2.40	West	0	22	59.6	T	Y	percent	
2.5	10	Fines	LW2-G044	T	Y	percent	05-Aug-04	3.00	East	0	29	83.6	T	Y	percent	
2.5	10	Fines	LW2-G075	T	Y	percent	02-Aug-04	3.70	East	0	28	36.2	T	Y	percent	
2.5	10	Fines	LW2-G092	T	Y	percent	24-Oct-02	3.93	East	0	15	21.3		Y	percent	
2.5	10	Fines	LW2-G115	T	Y	percent	11-Aug-04	4.00	NavChan	0	27	50	T	Y	percent	
2.5	10	Fines	LW2-G121	T	Y	percent	17-Sep-97	4.04		0	10	79.29		Y	percent	
2.5	10	Fines	LW2-G140	T	Y	percent	10-Aug-04	4.70	West	0	23	15.9	JT	Y	percent	
2.5	10	Fines	LW2-G170	T	Y	percent	19-Sep-97	5.02		0	10	71.14		Y	percent	
2.5	10	Fines	LW2-G197	T	Y	percent	26-Aug-04	5.60	East	0	25	38	T	Y	percent	
2.5	10	Fines	LW2-G202	T	Y	percent	19-Sep-97	5.61		0	10	41.41		Y	percent	
2.5	10	Fines	LW2-G203	T	Y	percent	20-Jul-04	5.60	East	0	27	64.9	T	Y	percent	
2.5	10	Fines	LW2-G209	T	Y	percent	23-Oct-02	5.66	East	0	15	24.7		Y	percent	

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Table C3-1. Percent Fines for Collocated Surface Sediment Samples from the StudyArea. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_ loc2	RiverZone_ loc2	RiverMile_ loc2	UpperDepth_ loc2	LowerDepth_loc 2	VALUE_ loc2	lab_qualifiers_ loc2	detect_flag_ loc2	Units_loc2	qc_level
25	10	Fines	LW2-G251	T	Y	percent	12-Aug-04	6.00	West	0	29	73.5	T	Y	percent	
25	10	Fines	LW2-G270	T	Y	percent	21-Jul-04	6.20	West	0	29	72.2	T	Y	percent	
25	10	Fines	LW2-G275	T	Y	percent	31-Aug-04	6.60	East	0	26	58.7	T	Y	percent	
25	10	Fines	LW2-G294	T	Y	percent	21-Jul-04	6.40	West	0	29	66.8	T	Y	percent	
25	10	Fines	LW2-G308	T	Y	percent	20-Sep-97	6.50		0	10	72.89		Y	percent	
25	10	Fines	LW2-G324	T	Y	percent	22-Jul-04	6.80	West	0	26	7.54	T	Y	percent	
25	10	Fines	LW2-G336	T	Y	percent	22-Sep-97	6.98		0	10	38.56		Y	percent	
25	10	Fines	LW2-G345	T	Y	percent	22-Jul-04	7.10	West	0	28	79.1	T	Y	percent	
25	10	Fines	LW2-G351	T	Y	percent	28-Oct-04	7.20	West	0	28	67.9	T	Y	percent	
25	10	Fines	LW2-G353	T	Y	percent	23-Aug-04	7.30	West	0	27	74	T	Y	percent	
25	10	Fines	LW2-G355	T	Y	percent	12-Nov-02	7.30	West	0	15	42.8		Y	percent	
25	10	Fines	LW2-G360	T	Y	percent	19-Jan-99	7.39	West	10	30	36.4		Y	percent	
25	10	Fines	LW2-G360	T	Y	percent	19-Jan-99	7.39	West	0	10	37.6		Y	percent	
25	10	Fines	LW2-G362	T	Y	percent	22-Oct-04	7.40	West	0	27	92.6	T	Y	percent	
25	10	Fines	LW2-G372	JT	Y	percent	24-Aug-04	8.10	East	0	30	90.9	T	Y	percent	
25	10	Fines	LW2-G382	T	Y	percent	22-Sep-97	8.30		0	10	92.37		Y	percent	
25	10	Fines	LW2-G383	T	Y	percent	22-Sep-97	8.50		0	10	15.7		Y	percent	
25	10	Fines	LW2-G384	T	Y	percent	23-Aug-04	8.20	East	0	29	92.1	T	Y	percent	
25	10	Fines	LW2-G401	T	Y	percent	23-Sep-97	7.74		0	10	6.19		Y	percent	
25	10	Fines	LW2-G410	T	Y	percent	09-Sep-04	8.00	NavChan	0	30	83.2	T	Y	percent	
25	10	Fines	LW2-G433	T	Y	percent	09-Sep-04	8.80	East	0	27	61.3	T	Y	percent	
25	10	Fines	LW2-G450	T	Y	percent	25-Aug-04	8.80	West	0	28	94.8	T	Y	percent	
25	10	Fines	LW2-G475	T	Y	percent	01-Sep-04	9.40	NavChan	0	27	59.2	T	Y	percent	
25	10	Fines	LW2-G492	T	Y	percent	24-Aug-04	9.80	West	0	28	84	T	Y	percent	
25	10	Fines	LW2-G519	T	Y	percent	16-Aug-04	4.10	East	0	29	88	T	Y	percent	
25	10	Fines	LW2-GBT006-1		Y	percent	16-Dec-05	3.87	East	0	10	29.7		Y	percent	
25	10	Fines	LW2-GBT027-1		Y	percent	07-Dec-05	8.80	East	0	10	33.1		Y	percent	
25	10	Fines	LWG0103R003SDS015C10		Y	percent	17-Oct-02	3.50	East	0	15	14.1		Y	percent	
25	10	Fines	LWG0103R003SDS015C10		Y	percent	17-Oct-02	3.50	East	0	15	7.38		Y	percent	
25	10	Fines	LWG0103R003SDS015C20		Y	percent	17-Oct-02	3.50	East	0	15	7.38		Y	percent	
25	10	Fines	LWG0103R004SDS015C10		Y	percent	18-Oct-02	4.10	East	0	15	23		Y	percent	
25	10	Fines	LWG0103R004SDS015C10		Y	percent	18-Oct-02	4.10	East	0	15	13.7		Y	percent	
25	10	Fines	LWG0103R004SDS015C20		Y	percent	18-Oct-02	4.10	East	0	15	23		Y	percent	
25	10	Fines	LWG0104R002SDS015C00		Y	percent	13-Oct-98	4.67	East	0	10	45.2		Y	percent	
25	10	Fines	LWG0106R002SDS015C10		Y	percent	23-Oct-02	6.80	East	0	15	9.83		Y	percent	
25	10	Fines	LWG0106R002SDS015C10		Y	percent	23-Oct-02	6.80	East	0	15	8.48		Y	percent	
25	10	Fines	LWG0106R002SDS015C20		Y	percent	23-Oct-02	6.80	East	0	15	8.48		Y	percent	
25	10	Fines	LWG0109R001SDS015C10		Y	percent	24-Oct-02	9.00	East	0	15	15.2		Y	percent	
25	10	Fines	LWG0109R001SDS015C10		Y	percent	24-Oct-02	9.00	East	0	15	29		Y	percent	
25	10	Fines	LWG0109R001SDS015C20		Y	percent	24-Oct-02	9.00	East	0	15	29		Y	percent	
25	10	Fines	AP-04-C-PG		Y	percent	30-Nov-05	7.32	West	0	29	78		Y	percent	
25	10	Fines	CP-09-D-PG		Y	percent	08-Oct-04	7.47	West	0	26	87.5	T	Y	percent	
25	10	Fines	GN-05-A-PG		Y	percent	02-Dec-05	8.5	West	0	27	67.5		Y	percent	
25	10	Fines	GS-04-A-PG		Y	percent	01-Dec-05	6.22	West	0	26	27.3		Y	percent	
25	10	Fines	KM-08-A-PG		Y	percent	07-Oct-04	4.17	West	0	30	0.9	T	Y	percent	
25	10	Fines	WLCMBA01ED0130		Y	percent	19-Oct-99	23.90		0	15	1.05		Y	percent	NACat1

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Total organic carbon	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	0.39	
25	10	Total organic carbon	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	0.26	
25	10	Total organic carbon	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	1.66	
25	10	Total organic carbon	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	0.13	
25	10	Total organic carbon	LW2-C067	LW2-C067-A	LW2-G067	LW2-G067	7617422	717980.1	7617424	717971	02-Nov-04	East	3.59	0	30	1.92	
25	10	Total organic carbon	LW2-C112	LW2-C112-A	LW2-G112	LW2-G112	7618499	715670.5	7618500	715673.6	02-Nov-04	East	4.04	0	30	1.71	
25	10	Total organic carbon	LW2-C138	LW2-C138-A	LW2-G138	LW2-G138	7618120	712439.8	7618117	712434.4	30-Sep-04	West	4.60	0	30	24.9	
25	10	Total organic carbon	LW2-C144	LW2-C144-A	LW2-G144	LW2-G144	7618800	711732.9	7618808	711738.2	29-Sep-04	NavChan	4.80	0	30	2.51	
25	10	Total organic carbon	LW2-C158	LW2-C158-A	LW2-G158	LW2-G158	7619023	711163.1	7619022	711161.9	28-Sep-04	West	4.90	0	30	1.92	
25	10	Total organic carbon	LW2-C162	LW2-C162-A	LW2-G162	LW2-G162	7619154	710968.5	7619154	710962.4	28-Sep-04	West	4.96	0	30	1.73	
25	10	Total organic carbon	LW2-C169	LW2-C169-A	LW2-G169	LW2-G169	7619389	710601.4	7619391	710603.8	22-Sep-04	NavChan	5.02	0	30	1.98	
25	10	Total organic carbon	LW2-C171	LW2-C171-A	LW2-G171	LW2-G171	7619465	710498.9	7619460	710498.5	22-Sep-04	NavChan	5.04	0	30	2.27	
25	10	Total organic carbon	LW2-C196	LW2-C196-A	LW2-G196	LW2-G196	7621768	708894.9	7621752	708903.8	30-Sep-04	NavChan	5.57	0	30	1.61	
25	10	Total organic carbon	LW2-C290	LW2-C290-A	LW2-G290	LW2-G290	7626161	705526.9	7626163	705528.1	22-Sep-04	East	6.66	0	30	0.34	
25	10	Total organic carbon	LW2-C291	LW2-C291-A	LW2-G291	LW2-G291	7626800	705512.2	7626803	705518.8	19-Oct-04	East	6.76	0	30	2.35	
25	10	Total organic carbon	LW2-C299	LW2-C299-A	LW2-G299	LW2-G299	7624685	705385.1	7624683	705378.5	22-Sep-04	NavChan	6.41	0	30	2.34	
25	10	Total organic carbon	LW2-C301	LW2-C301-A	WR-WSI98SD068	WR-WSI98SD0680	7624556	705332.8	7624560	705336.4	08-Nov-04	West	6.39	0	30	2.36	
25	10	Total organic carbon	LW2-C329	LW2-C329-A	LW2-G329	LW2-G329	7626334	704186.5	7626342	704185.7	28-Sep-04	West	6.82	0	30	0.17	
25	10	Total organic carbon	LW2-C356	LW2-C356-A	LW2-G356	LW2-G356	7628143	702310.6	7628148	702306.2	09-Nov-04	West	7.37	0	30	2.43	
25	10	Total organic carbon	LW2-C361	LW2-C361-A	LW2-G361	LW2-G361	7628841	701997.6	7628850	702001	04-Oct-04	NavChan	7.50	0	30	0.17	
25	10	Total organic carbon	LW2-C379	LW2-C379-A	LW2-G379	LW2-G379	7633967	701104.2	7633968	701101.1	07-Oct-04	East	8.38	0	30	2.73	
25	10	Total organic carbon	LW2-C380	LW2-C380-A	LW2-G380	LW2-G380	7634400	701093.5	7634411	701090.8	10-Nov-04	East	8.42	0	30	0.99	
25	10	Total organic carbon	LW2-C409	LW2-C409-A	LW2-G409	LW2-G409	7632425	699722.3	7632417	699714.6	26-Oct-04	East	8.27	0	30	1.45	
25	10	Total organic carbon	LW2-C420	LW2-C420-A	LW2-G420	LW2-G420	7633250	699166.4	7633248	699161.6	06-Oct-04	East	8.46	0	30	1.62	
25	10	Total organic carbon	LW2-C421	LW2-C421-A	LW2-G421	LW2-G421	7635857	699173.9	7635858	699170.3	07-Oct-04	East	8.84	0	30	2.28	
25	10	Total organic carbon	LW2-C436	LW2-C436-A	LW2-G436	LW2-G436	7631909	697825.8	7631915	697833.5	07-Oct-04	West	8.45	0	30	1.36	
25	10	Total organic carbon	LW2-C440	LW2-C440-A	LW2-G440	LW2-G440	7632320	697550.6	7632320	697554.3	06-Oct-04	West	8.54	0	30	2.02	
25	10	Total organic carbon	LW2-C441	LW2-C441-A1	LW2-G441	LW2-G441	7632095	697534.9	7632091	697532	06-Oct-04	West	8.51	0	30	1.61	
25	10	Total organic carbon	LW2-C447	LW2-C447-A	LW2-G447	LW2-G447	7632643	697108.3	7632623	697105.2	06-Oct-04	West	8.65	0	30	1.87	
25	10	Total organic carbon	LW2-C448	LW2-C448-A	LW2-G448	LW2-G448	7633115	697081.3	7633101	697061.1	26-Oct-04	West	8.74	0	30	2.22	
25	10	Total organic carbon	LW2-C461	LW2-C461-A	LW2-G461	LW2-G461	7634375	696295.3	7634380	696295.8	05-Oct-04	West	9.05	0	30	2.63	
25	10	Total organic carbon	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	3.27	
25	10	Total organic carbon	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	16.1	
25	10	Total organic carbon	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	2.1	
25	10	Total organic carbon	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	2.21	
25	10	Total organic carbon	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	0.67	
25	10	Total organic carbon	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	0.875	
25	10	Total organic carbon	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	2.21	
25	10	Total organic carbon	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	0.763	
25	10	Total organic carbon	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	3.84	
25	10	Total organic carbon	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	1.38	
25	10	Total organic carbon	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	2.45	
25	10	Total organic carbon	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	0.08	
25	10	Total organic carbon	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	0.08	
25	10	Total organic carbon	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	2.4	
25	10	Total organic carbon	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	1.11	
25	10	Total organic carbon	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	2.21	
25	10	Total organic carbon	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	2.02	
25	10	Total organic carbon	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	2.24	
25	10	Total organic carbon	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	1.09	
25	10	Total organic carbon	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	3.92	
25	10	Total organic carbon	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	0.81	
25	10	Total organic carbon	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	2.47	
25	10	Total organic carbon	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	1.91	
25	10	Total organic carbon	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	3.27	
25	10	Total organic carbon	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	2.32	
25	10	Total organic carbon	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	8.02	

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Total organic carbon	LW2-B004	Y	percent	10-Oct-00	2.28	East	0	10	0.57		Y	percent	
25	10	Total organic carbon	LW2-B021	Y	percent	12-Dec-05	8.19	West	0	10	1.15		Y	percent	
25	10	Total organic carbon	LW2-B022	Y	percent	27-Jul-04	8.40	West	0	15	0.94		Y	percent	
25	10	Total organic carbon	LW2-B025	Y	percent	29-Jul-04	9.40	West	0	15	0.147		Y	percent	
25	10	Total organic carbon	LW2-C067	Y	percent	27-Jul-04	3.59	East	0	23	1.34		Y	percent	
25	10	Total organic carbon	LW2-C112	Y	percent	03-Aug-04	4.04	East	0	29	1.95		Y	percent	
25	10	Total organic carbon	LW2-C138	Y	percent	13-Aug-04	4.60	West	0	22	6.82		Y	percent	
25	10	Total organic carbon	LW2-C144	Y	percent	16-Aug-04	4.80	NavChan	0	28	2.68		Y	percent	
25	10	Total organic carbon	LW2-C158	Y	percent	18-Aug-04	4.90	West	0	27	2.26		Y	percent	
25	10	Total organic carbon	LW2-C162	Y	percent	18-Aug-04	4.96	West	0	29	2.65		Y	percent	
25	10	Total organic carbon	LW2-C169	Y	percent	11-Aug-04	5.02	NavChan	0	28	2.5		Y	percent	
25	10	Total organic carbon	LW2-C171	Y	percent	11-Aug-04	5.04	NavChan	0	27	2.75		Y	percent	
25	10	Total organic carbon	LW2-C196	Y	percent	19-Jul-04	5.57	NavChan	0	24	1.38		Y	percent	
25	10	Total organic carbon	LW2-C290	Y	percent	20-Aug-04	6.66	East	0	27	1.06		Y	percent	
25	10	Total organic carbon	LW2-C291	Y	percent	20-Aug-04	6.76	East	0	28	2.81		Y	percent	
25	10	Total organic carbon	LW2-C299	Y	percent	19-Aug-04	6.41	NavChan	0	26	2.08		Y	percent	
25	10	Total organic carbon	LW2-C301	Y	percent	21-Sep-97	6.39		0	10	1.8		Y	percent	
25	10	Total organic carbon	LW2-C329	Y	percent	25-Aug-04	6.82	West	0	25	0.44		Y	percent	
25	10	Total organic carbon	LW2-C356	Y	percent	26-Aug-04	7.37	West	0	29	2.56		Y	percent	
25	10	Total organic carbon	LW2-C361	Y	percent	23-Aug-04	7.50	NavChan	0	28	2.68		Y	percent	
25	10	Total organic carbon	LW2-C379	Y	percent	09-Sep-04	8.38	East	0	28	2.38		Y	percent	
25	10	Total organic carbon	LW2-C380	Y	percent	22-Oct-04	8.42	East	0	22	0.55		Y	percent	
25	10	Total organic carbon	LW2-C409	Y	percent	08-Oct-04	8.27	East	0	30	1.52		Y	percent	
25	10	Total organic carbon	LW2-C420	Y	percent	08-Oct-04	8.46	East	0	29	1.77		Y	percent	
25	10	Total organic carbon	LW2-C421	Y	percent	09-Sep-04	8.84	East	0	30	3.48		Y	percent	
25	10	Total organic carbon	LW2-C436	Y	percent	27-Aug-04	8.45	West	0	26	0.12		Y	percent	
25	10	Total organic carbon	LW2-C440	Y	percent	31-Aug-04	8.54	West	0	26	2.15		Y	percent	
25	10	Total organic carbon	LW2-C441	Y	percent	25-Aug-04	8.51	West	0	27	1.64		Y	percent	
25	10	Total organic carbon	LW2-C447	Y	percent	31-Aug-04	8.65	West	0	25	1.84		Y	percent	
25	10	Total organic carbon	LW2-C448	Y	percent	31-Aug-04	8.72	West	0	30	2.65		Y	percent	
25	10	Total organic carbon	LW2-C461	Y	percent	31-Aug-04	9.05	West	0	27	2.59		Y	percent	
25	10	Total organic carbon	LW2-C527	Y	percent	21-Sep-97	6.10		0	10	1.9		Y	percent	
25	10	Total organic carbon	LW2-C533	Y	percent	22-Oct-04	6.83	East	0	23	13		Y	percent	
25	10	Total organic carbon	LW2-D1	Y	percent	05-Nov-04	2.00	West	0	29	2.08		Y	percent	
25	10	Total organic carbon	LW2-G007	Y	percent	20-Jul-04	2.10	East	0	27	2.22		Y	percent	
25	10	Total organic carbon	LW2-G019	Y	percent	19-Dec-05	2.28	East	0	10	1.87		Y	percent	
25	10	Total organic carbon	LW2-G023	Y	percent	04-Aug-04	2.40	West	0	22	1.02		Y	percent	
25	10	Total organic carbon	LW2-G044	Y	percent	05-Aug-04	3.00	East	0	29	2.43		Y	percent	
25	10	Total organic carbon	LW2-G075	Y	percent	02-Aug-04	3.70	East	0	28	1.21		Y	percent	
25	10	Total organic carbon	LW2-G092	Y	percent	24-Oct-02	3.93	East	0	15	2.4		Y	percent	
25	10	Total organic carbon	LW2-G115	Y	percent	11-Aug-04	4.00	NavChan	0	27	1.44		Y	percent	
25	10	Total organic carbon	LW2-G121	Y	percent	17-Sep-97	4.04		0	10	2.3		Y	percent	
25	10	Total organic carbon	LW2-G126	Y	percent	08-Oct-99	4.17	West	30	40	1.47		Y	percent	
25	10	Total organic carbon	LW2-G126	Y	percent	08-Oct-99	4.17	West	0	10	0.208		Y	percent	
25	10	Total organic carbon	LW2-G140	Y	percent	10-Aug-04	4.70	West	0	23	1.75		Y	percent	
25	10	Total organic carbon	LW2-G170	Y	percent	19-Sep-97	5.02		0	10	1.4		Y	percent	
25	10	Total organic carbon	LW2-G197	Y	percent	26-Aug-04	5.60	East	0	25	2.25		Y	percent	
25	10	Total organic carbon	LW2-G202	Y	percent	19-Sep-97	5.61		0	10	1		Y	percent	
25	10	Total organic carbon	LW2-G203	Y	percent	20-Jul-04	5.60	East	0	27	2.03		Y	percent	
25	10	Total organic carbon	LW2-G209	Y	percent	23-Oct-02	5.66	East	0	15	0.84		Y	percent	
25	10	Total organic carbon	LW2-G210	Y	percent	26-May-05	5.50		0	30	2.79	J	Y	percent	
25	10	Total organic carbon	LW2-G231	Y	percent	08-Aug-00	5.77	West	0	20	2.49		Y	percent	
25	10	Total organic carbon	LW2-G246	Y	percent	08-Aug-00	5.90	West	0	20	2.79		Y	percent	
25	10	Total organic carbon	LW2-G251	Y	percent	12-Aug-04	6.00	West	0	29	2.19		Y	percent	
25	10	Total organic carbon	LW2-G270	Y	percent	21-Jul-04	6.20	West	0	29	3.55		Y	percent	
25	10	Total organic carbon	LW2-G275	Y	percent	31-Aug-04	6.60	East	0	26	2.13		Y	percent	
25	10	Total organic carbon	LW2-G294	Y	percent	21-Jul-04	6.40	West	0	29	4.25		Y	percent	

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Total organic carbon	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	0.997	
25	10	Total organic carbon	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	0.74	
25	10	Total organic carbon	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	0.49	
25	10	Total organic carbon	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	1.92	
25	10	Total organic carbon	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	2.04	
25	10	Total organic carbon	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	2.67	
25	10	Total organic carbon	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	2.52	
25	10	Total organic carbon	LW2-G356	LW2-G356	WLCDRD05PG072	WLCDRD05PG07272	7628148	702306.2	7628146	702282.1	26-Aug-04	West	7.37	0	29	2.56	
25	10	Total organic carbon	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0016	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	1.71	
25	10	Total organic carbon	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0017	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	1.71	
25	10	Total organic carbon	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	2.76	
25	10	Total organic carbon	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	2.24	
25	10	Total organic carbon	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	2.22	
25	10	Total organic carbon	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	1.38	
25	10	Total organic carbon	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	3.16	
25	10	Total organic carbon	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	2.22	
25	10	Total organic carbon	LW2-G401	LW2-G401	WLCOFJ022206	WLCOFJ02220622060	7629037	700154.5	7629040	700176.6	22-Oct-04	West	7.74	0	27	2.22	
25	10	Total organic carbon	LW2-G404	LW2-G404	WLCOFJ022204	WLCOFJ02220422040	7629091	700095.8	7629090	700117.4	27-Aug-04	West	7.76	0	25	2.1	
25	10	Total organic carbon	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	2.79	
25	10	Total organic carbon	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	0.46	
25	10	Total organic carbon	LW2-G430	LW2-G430	WLCOFJ02S0203	WLCOFJ02S0203S2030	7636706	698453.4	7636711	698462.8	22-Oct-04	East	9.05	0	25	0.17	
25	10	Total organic carbon	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	0.17	
25	10	Total organic carbon	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	1.78	
25	10	Total organic carbon	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	2.86	
25	10	Total organic carbon	LW2-G454	LW2-G454	WLCOFJ02S0505	WLCOFJ02S0505S5050	7636589	696741.7	7636602	696760.3	01-Sep-04	East	9.32	0	25	0.24	
25	10	Total organic carbon	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	2.7	
25	10	Total organic carbon	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	2.2	
25	10	Total organic carbon	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	1.93	
25	10	Total organic carbon	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	2.54	
25	10	Total organic carbon	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	0.447	
25	10	Total organic carbon	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	2.51	
25	10	Total organic carbon	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	2.09	
25	10	Total organic carbon	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	0.917	
25	10	Total organic carbon	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	0.917	
25	10	Total organic carbon	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	1.1	
25	10	Total organic carbon	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	1.35	
25	10	Total organic carbon	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	1.35	
25	10	Total organic carbon	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	1.3	
25	10	Total organic carbon	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	1.8	
25	10	Total organic carbon	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	2.1	
25	10	Total organic carbon	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	2.27	
25	10	Total organic carbon	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	37552	East	6.74	0	15	2.27	
25	10	Total organic carbon	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	37552	East	6.80	0	15	2.8	
25	10	Total organic carbon	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	37553	East	8.99	0	15	2.43	
25	10	Total organic carbon	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	37553	East	8.99	0	15	2.43	
25	10	Total organic carbon	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	37553	East	9.00	0	15	2.5	
25	10	Total organic carbon	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	38686	West	7.32	0	29	2.01	
25	10	Total organic carbon	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	38686	West	7.47	0	30	2.65	
25	10	Total organic carbon	GN-05-A-PG	LWG2-PG-GN5A	GN-05-A-PG-2	LWG2-PG-GN5A-2	7631921	697407.2	7631927	697408.9	38688	West	8.51	0	27	2.25	
25	10	Total organic carbon	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	38687	West	6.23	0	26	5.71	
25	10	Total organic carbon	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	38687	West	4.18	0	20	6.7	
25	10	Total organic carbon	W-09-A-PG	LWG2-PG-W9A	WLRWTF98TOSSD1	WLRWTF98TOSSD1TOSSD1	7628900	700250.1	7628882	700246.9	38686	West	7.71	0	23	0.4	
25	10	Total organic carbon	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	WLCOFJ02M0303	WLCOFJ02M0303M3030	7636982	698942.4	7636996	698944.6	35890		8.93	0	10	2.74	
25	10	Total organic carbon	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	WLCOFJ02S0202	WLCOFJ02S0202S2020	7636721	698438.9	7636722	698418.5	35890		9.05	0	10	0.95	
25	10	Total organic carbon	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	35892		8.50	0	10	2.05	
25	10	Total organic carbon	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WR-WSI98SD136	WR-WSI98SD1360	7634600	700860.8	7634624	700864.1	35892		8.50	0	10	2.05	
25	10	Total organic carbon	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	35892		8.50	0	10	2.05	

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Total organic carbon	LW2-G308	Y	percent	20-Sep-97	6.50		0	10	1.1		Y	percent	
25	10	Total organic carbon	LW2-G324	Y	percent	22-Jul-04	6.80	West	0	26	0.66		Y	percent	
25	10	Total organic carbon	LW2-G336	Y	percent	22-Sep-97	6.98		0	10	0.9		Y	percent	
25	10	Total organic carbon	LW2-G345	Y	percent	22-Jul-04	7.10	West	0	28	1.94		Y	percent	
25	10	Total organic carbon	LW2-G351	Y	percent	28-Oct-04	7.20	West	0	28	2.04		Y	percent	
25	10	Total organic carbon	LW2-G353	Y	percent	23-Aug-04	7.30	West	0	27	2.21		Y	percent	
25	10	Total organic carbon	LW2-G355	Y	percent	12-Nov-02	7.30	West	0	15	1.6		Y	percent	
25	10	Total organic carbon	LW2-G356	Y	percent	25-May-05	7.37		0	28	2.77		Y	percent	
25	10	Total organic carbon	LW2-G360	Y	percent	19-Jan-99	7.39	West	0	10	1.8		Y	percent	
25	10	Total organic carbon	LW2-G360	Y	percent	19-Jan-99	7.39	West	10	30	1.3		Y	percent	
25	10	Total organic carbon	LW2-G362	Y	percent	22-Oct-04	7.40	West	0	27	2.83		Y	percent	
25	10	Total organic carbon	LW2-G372	Y	percent	24-Aug-04	8.10	East	0	30	2.38		Y	percent	
25	10	Total organic carbon	LW2-G382	Y	percent	22-Sep-97	8.30		0	10	1.8		Y	percent	
25	10	Total organic carbon	LW2-G383	Y	percent	22-Sep-97	8.50		0	10	1.5		Y	percent	
25	10	Total organic carbon	LW2-G384	Y	percent	23-Aug-04	8.20	East	0	29	3.36		Y	percent	
25	10	Total organic carbon	LW2-G401	Y	percent	23-Sep-97	7.74		0	10	0.72		Y	percent	
25	10	Total organic carbon	LW2-G401	Y	percent	21-Oct-02	7.73		0	10	2		Y	percent	
25	10	Total organic carbon	LW2-G404	Y	percent	21-Oct-02	7.76		0	12	1.75		Y	percent	
25	10	Total organic carbon	LW2-G410	Y	percent	09-Sep-04	8.00	NavChan	0	30	2.86		Y	percent	
25	10	Total organic carbon	LW2-G425	Y	percent	05-Apr-98	8.93		0	10	2.74		Y	percent	
25	10	Total organic carbon	LW2-G430	Y	percent	14-Oct-02	9.05		0	15	0.0811		Y	percent	
25	10	Total organic carbon	LW2-G430	Y	percent	05-Apr-98	9.05		0	10	0.95		Y	percent	
25	10	Total organic carbon	LW2-G433	Y	percent	09-Sep-04	8.80	East	0	27	2.04		Y	percent	
25	10	Total organic carbon	LW2-G450	Y	percent	25-Aug-04	8.80	West	0	28	2.84		Y	percent	
25	10	Total organic carbon	LW2-G454	Y	percent	21-Oct-02	9.33		0	15	0.0759		Y	percent	
25	10	Total organic carbon	LW2-G471	Y	percent	24-May-05	9.24		0	20	3.03		Y	percent	
25	10	Total organic carbon	LW2-G475	Y	percent	01-Sep-04	9.40	NavChan	0	27	2.2		Y	percent	
25	10	Total organic carbon	LW2-G492	Y	percent	24-Aug-04	9.80	West	0	28	2.08		Y	percent	
25	10	Total organic carbon	LW2-G519	Y	percent	16-Aug-04	4.10	East	0	29	2.53		Y	percent	
25	10	Total organic carbon	LW2-GBT006-1	Y	percent	16-Dec-05	3.87	East	0	10	0.755		Y	percent	
25	10	Total organic carbon	LW2-GBT018	Y	percent	25-May-05	7.22		0	30	2.23		Y	percent	
25	10	Total organic carbon	LW2-GBT027-1	Y	percent	07-Dec-05	8.80	East	0	10	1.99		Y	percent	
25	10	Total organic carbon	LWG0103R003SDS015C10	Y	percent	17-Oct-02	3.50	East	0	15	1.1		Y	percent	
25	10	Total organic carbon	LWG0103R003SDS015C10	Y	percent	17-Oct-02	3.50	East	0	15	1.15		Y	percent	
25	10	Total organic carbon	LWG0103R003SDS015C20	Y	percent	17-Oct-02	3.50	East	0	15	1.15		Y	percent	
25	10	Total organic carbon	LWG0103R004SDS015C10	Y	percent	18-Oct-02	4.10	East	0	15	1.5		Y	percent	
25	10	Total organic carbon	LWG0103R004SDS015C10	Y	percent	18-Oct-02	4.10	East	0	15	1.3		Y	percent	
25	10	Total organic carbon	LWG0103R004SDS015C20	Y	percent	18-Oct-02	4.10	East	0	15	1.5		Y	percent	
25	10	Total organic carbon	LWG0104R002SDS015C00	Y	percent	13-Oct-98	4.67	East	0	10	2.42		Y	percent	
25	10	Total organic carbon	LWG0104R003SDS015C00	Y	percent	17-Mar-04	4.44		0	30.48	2.13		Y	percent	
25	10	Total organic carbon	LWG0106R002SDS015C10	Y	percent	23-Oct-02	6.80	East	0	15	2.8		Y	percent	
25	10	Total organic carbon	LWG0106R002SDS015C10	Y	percent	37552	6.80	East	0	15	2.9		Y	percent	
25	10	Total organic carbon	LWG0106R002SDS015C20	Y	percent	37552	6.80	East	0	15	2.9		Y	percent	
25	10	Total organic carbon	LWG0109R001SDS015C10	Y	percent	37553	9.00	East	0	15	2.5		Y	percent	
25	10	Total organic carbon	LWG0109R001SDS015C10	Y	percent	37553	9.00	East	0	15	2.7		Y	percent	
25	10	Total organic carbon	LWG0109R001SDS015C20	Y	percent	37553	9.00	East	0	15	2.7		Y	percent	
25	10	Total organic carbon	AP-04-C-PG	Y	percent	38686	7.32	West	0	29	2.12		Y	percent	
25	10	Total organic carbon	CP-09-D-PG	Y	percent	38268	7.47	West	0	26	2.56		Y	percent	
25	10	Total organic carbon	GN-05-A-PG	Y	percent	38688	8.5	West	0	27	3.69		Y	percent	
25	10	Total organic carbon	GS-04-A-PG	Y	percent	38687	6.22	West	0	26	18.5		Y	percent	
25	10	Total organic carbon	KM-08-A-PG	Y	percent	38267	4.17	West	0	30	0.08		Y	percent	
25	10	Total organic carbon	W-09-A-PG	Y	percent	36146	7.71	West	0	12.7	0.378		Y	percent	
25	10	Total organic carbon	PSYSEA98PSY01	Y	percent	37543	8.93		0	12	2.7		Y	percent	QA1Cat1
25	10	Total organic carbon	PSYSEA98PSY03	Y	percent	37543	9.08		0	15	0.0423		Y	percent	QA1Cat1
25	10	Total organic carbon	PSYSEA98PSY08	Y	percent	37490	8.50		0	15	0.957		Y	percent	QA2Cat1
25	10	Total organic carbon	PSYSEA98PSY08	Y	percent	35695	8.50		0	10	1.5		Y	percent	QA2Cat1
25	10	Total organic carbon	PSYSEA98PSY08	Y	percent	37490	8.50		0	15	1.88		Y	percent	QA2Cat1

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Total organic carbon	WLCASF97S001	WLCASF97S001W4159	WR-WSI98SD123	WR-WSI98SD1230	7630380	699597.6	7630398	699583.3	35593		7.99	0	10	1.8	
25	10	Total organic carbon	WLCASF97S004	WLCASF97S004W4156	WR-WSI98SD117	WR-WSI98SD1170000CC	7629322	700277.3	7629340	700260	35593		7.77	0	10	1.9	
25	10	Total organic carbon	WLCASF97S005	WLCASF97S005W4155	WLCOFJ022201	WLCOFJ02220122010	7629019	700127.6	7629006	700110.5	35593		7.74	0	10	1.8	
25	10	Total organic carbon	WLCASF97S005	WLCASF97S005W4155	WR-WSI98SD114	WR-WSI98SD1140	7629019	700127.6	7629023	700135.1	35593		7.74	0	10	1.8	
25	10	Total organic carbon	WLCASF97S007	WLCASF97S007W4153	WR-WSI98SD112	WR-WSI98SD1120	7628882	700398.9	7628898	700405	35593		7.69	0	10	2.6	
25	10	Total organic carbon	WLCASF97S010	WLCASF97S010W4171	WR-WSI98SD110	WR-WSI98SD1100	7629081	700976.9	7629093	700983.2	35592		7.65	0	10	2.4	
25	10	Total organic carbon	WLCASF97S011	WLCASF97S011W4170	WR-WSI98SD107	WR-WSI98SD1070	7628514	700852.9	7628533	700848.8	35592		7.60	0	10	2.3	
25	10	Total organic carbon	WLCASF97S012	WLCASF97S012W4168	WR-WSI98SD105	WR-WSI98SD1050	7628858	701244.6	7628878	701253.6	35592		7.58	0	10	2	
25	10	Total organic carbon	WLCASF97S014	WLCASF97S014W4166	WR-WSI98SD097	WR-WSI98SD0970	7628275	702069.3	7628273	702078.9	35592		7.40	0	10	1.4	
25	10	Total organic carbon	WLCASF97S019	WLCASF97S019W4148	WR-WSI98SD055	WR-WSI98SD0550	7621324	708002.1	7621338	708002.3	35591		5.61	0	10	1.8	
25	10	Total organic carbon	WLCASF97S022	WLCASF97S022W4145	WR-WSI98SD052	WR-WSI98SD0520	7620618	708860.9	7620641	708857.8	35591		5.41	0	10	1.9	
25	10	Total organic carbon	WLCASF97S023	WLCASF97S023W4144	WR-WSI98SD050	WR-WSI98SD0500	7620250	709278.6	7620271	709288.6	35591		5.30	0	10	1.8	
25	10	Total organic carbon	WLCASF97S024	WLCASF97S024W4143	WR-WSI98SD050	WR-WSI98SD0500	7620276	709302.2	7620271	709288.6	35591		5.31	0	10	2	
25	10	Total organic carbon	WLCASF97S028	WLCASF97S028W4139	WR-WSI98SD037	WR-WSI98SD0370	7618751	711539.8	7618742	711526.4	35591		4.81	0	10	1.5	
25	10	Total organic carbon	WLCASF97S029	WLCASF97S029W4138	WR-WSI98SD028	WR-WSI98SD0280	7617913	713119.8	7617913	713137.5	35591		4.45	0	10	2	
25	10	Total organic carbon	WLCASF97S045	WLCASF97S045W4161	WR-WSI98SD046	WR-WSI98SD0460	7619678	710048.6	7619697	710052.6	35592		5.11	0	10	2.4	
25	10	Total organic carbon	WLCASF97S046	WLCASF97S046W4163	WR-WSI98SD048	WR-WSI98SD0480000CC	7619844	709891.9	7619851	709897.3	35592		5.19	0	10	1.8	
25	10	Total organic carbon	WLCASF97S047	WLCASF97S047W4164	WLCDRD05PG036	WLCDRD05PG03636	7619906	709798.9	7619907	709796.5	35592		5.20	0	10	1.6	
25	10	Total organic carbon	WLCASF97S048	WLCASF97S048W4165	WR-WSI98SD079	WR-WSI98SD0790	7627346	704776	7627352	704781.4	35592		6.91	0	10	1	
25	10	Total organic carbon	WLCDRD05PG068	WLCDRD05PG06868	WR-WSI98SD088	WR-WSI98SD0880	7627501	703015.5	7627489	703007.5	38497		7.19	0	30	2.26	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	0.77	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	0.77	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	0.77	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	1.57	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	1.57	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	1.57	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	1.71	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	1.71	
25	10	Total organic carbon	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	1.71	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	5.35	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	5.35	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	5.35	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.15	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.15	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.15	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	3.14	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	3.14	
25	10	Total organic carbon	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	3.14	
25	10	Total organic carbon	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	37490		8.50	0	15	1.88	
25	10	Total organic carbon	WLCOFH02M103	WLCOFH02M103M103	WR-WSI98SD136	WR-WSI98SD1360	7634607	700863	7634624	700864.1	37490		8.50	0	15	1.88	
25	10	Total organic carbon	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	37490		8.53	0	15	0.488	
25	10	Total organic carbon	WLCOFH02M109	WLCOFH02M109M109	WR-WSI98SD136	WR-WSI98SD1360	7634616	700876.6	7634624	700864.1	37490		8.50	0	15	0.957	
25	10	Total organic carbon	WLCOFJ022205	WLCOFJ02220522050	WLRWTF98TOSSD3	WLRWTF98TOSSD3TOSSD3	7629070	700151.3	7629084	700168.3	37550		7.75	0	12	2.18	
25	10	Total organic carbon	WLCT4C04VC22	WLCT4C04VC22VC2201	WLCT4J98HCS32	WLCT4J98HCS32HCS32	7619717	713411.8	7619715	713397.6	38057		4.58	0	30.48	0.08	U
25	10	Total organic carbon	WLCT4C04VC23	WLCT4C04VC23VC2301	WLCT4J98HCS22	WLCT4J98HCS22HCS22	7620016	713369.3	7620022	713361.8	38049		4.61	0	30.48	0.7	
25	10	Total organic carbon	WLCT4C04VC28	WLCT4C04VC28VC2801	WLCT4J98HCS14	WLCT4J98HCS14HCS14	7620093	713098.4	7620101	713092.8	38050		4.67	0	30.48	0.19	
25	10	Total organic carbon	WLCT4J98HCS09	WLCT4J98HCS09HCS09	WR-WSI98SD032	WR-WSI98SD0320	7620394	713392.3	7620406	713381.3	36081	East	4.64	0	10	2.41	J
25	10	Total organic carbon	WLCT4J98HCS40	WLCT4J98HCS40HCS40	WR-WSI98SD034	WR-WSI98SD0340	7619755	712539.5	7619757	712555.6	36083	East	4.75	0	10	1.74	

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Table C3-2. Percent Total Organic Carbon for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Total organic carbon	WLCASF97S001	Y	percent	35697	8.00		0	10	1.5		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S004	Y	percent	35696	7.78		0	10	0.765		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S005	Y	percent	37550	7.76		0	10	0.0576		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S005	Y	percent	35696	7.74		0	10	0.72		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S007	Y	percent	35696	7.69		0	10	1.5		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S010	Y	percent	35696	7.65		0	10	1.7		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S011	Y	percent	35696	7.60		0	10	1.6		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S012	Y	percent	35696	7.59		0	10	1.5		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S014	Y	percent	35695	7.40		0	10	1.4		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S019	Y	percent	35692	5.61		0	10	1		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S022	Y	percent	35692	5.41		0	10	1.3		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S023	Y	percent	35692	5.31		0	10	1.1		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S024	Y	percent	35692	5.31		0	10	1.1		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S028	Y	percent	35692	4.81		0	10	1.3		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S029	Y	percent	35690	4.45		0	10	1.2		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S045	Y	percent	35692	5.11		0	10	1.1		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S046	Y	percent	35692	5.19		0	10	1.3		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S047	Y	percent	38498	5.20		0	30	1.19	J	Y	percent	QA1Cat1
25	10	Total organic carbon	WLCASF97S048	Y	percent	35694	6.91		0	10	1.2		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCDRD05PG068	Y	percent	35695	7.19		0	10	1.5		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		10	20	3.09		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		30	40	2.74		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		0	10	4.24		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		10	20	3.09		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		30	40	2.74		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		0	10	4.24		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		0	10	4.24		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		10	20	3.09		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0101	Y	percent	36991	6.39		30	40	2.74		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		0	10	3.76		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		10	20	3.21		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		30	40	3.03		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		30	40	3.03		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		0	10	3.76		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		10	20	3.21		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		30	40	3.03		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		0	10	3.76		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCGSD01AN0202	Y	percent	36992	6.32		10	20	3.21		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCOFH02M103	Y	percent	37490	8.50		0	15	0.957		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCOFH02M103	Y	percent	35695	8.50		0	10	1.5		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCOFH02M104	Y	percent	37490	8.53		0	15	0.999		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCOFH02M109	Y	percent	35695	8.50		0	10	1.5		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCOFJ022205	Y	percent	36146	7.75	West	0	12.7	1.51		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCT4C04VC22	N	percent	36082	4.58	East	0	10	1.43		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCT4C04VC23	Y	percent	36082	4.61	East	0	10	1.89		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCT4C04VC28	Y	percent	36082	4.67	East	0	10	0.42		Y	percent	QA2Cat1
25	10	Total organic carbon	WLCT4J98HCS09	Y	percent	35691	4.66		0	10	1.9		Y	percent	QA1Cat1
25	10	Total organic carbon	WLCT4J98HCS40	Y	percent	35691	4.75		0	10	1.1		Y	percent	QA1Cat1

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Table C3-3. Mercury Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Mercury	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	0.04	
25	10	Mercury	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	0.015	B
25	10	Mercury	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	0.174	
25	10	Mercury	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	0.0343	
25	10	Mercury	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	0.087	
25	10	Mercury	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	0.645	
25	10	Mercury	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	0.087	
25	10	Mercury	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	0.078	
25	10	Mercury	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	0.057	
25	10	Mercury	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	0.037	
25	10	Mercury	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	0.085	
25	10	Mercury	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	0.036	
25	10	Mercury	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	0.085	*
25	10	Mercury	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	0.048	
25	10	Mercury	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	0.107	
25	10	Mercury	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	0.017	B
25	10	Mercury	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	0.017	B
25	10	Mercury	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	0.056	
25	10	Mercury	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	0.04	
25	10	Mercury	LW2-G193	LW2-G193	WLCMCB02SED03	WLCMCB02SED03SED03	7621861	709005.9	7621871	709009.1	13-Aug-04	East	5.57	0	26	0.057	
25	10	Mercury	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	0.174	
25	10	Mercury	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530PW	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	0.147	
25	10	Mercury	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	0.147	
25	10	Mercury	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	0.164	
25	10	Mercury	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	0.201	
25	10	Mercury	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	0.125	
25	10	Mercury	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	0.031	
25	10	Mercury	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	0.065	
25	10	Mercury	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	0.138	
25	10	Mercury	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	0.085	
25	10	Mercury	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	0.096	
25	10	Mercury	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	0.152	
25	10	Mercury	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	0.43	
25	10	Mercury	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	0.038	
25	10	Mercury	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	0.057	
25	10	Mercury	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	0.068	
25	10	Mercury	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	0.128	
25	10	Mercury	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	0.076	
25	10	Mercury	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	0.087	
25	10	Mercury	LW2-G356	LW2-G356	WLCDRD05PG072	WLCDRD05PG07272	7628148	702306.2	7628146	702282.1	26-Aug-04	West	7.37	0	29	0.067	
25	10	Mercury	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	0.0573	
25	10	Mercury	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	0.122	
25	10	Mercury	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	0.137	
25	10	Mercury	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	0.032	
25	10	Mercury	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	0.072	
25	10	Mercury	LW2-G401	LW2-G401	WLCOFJ022206	WLCOFJ02220622060	7629037	700154.5	7629040	700176.6	22-Oct-04	West	7.74	0	27	0.07	
25	10	Mercury	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	0.07	
25	10	Mercury	LW2-G404	LW2-G404	WLCOFJ022204	WLCOFJ02220422040	7629091	700095.8	7629090	700117.4	27-Aug-04	West	7.76	0	25	0.06	
25	10	Mercury	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	0.094	
25	10	Mercury	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	0.053	
25	10	Mercury	LW2-G430	LW2-G430	WLCOFJ02S0203	WLCOFJ02S0203S2030	7636706	698453.4	7636711	698462.8	22-Oct-04	East	9.05	0	25	0.034	
25	10	Mercury	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	0.034	
25	10	Mercury	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	0.082	

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Table C3-3. Mercury Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Mercury	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	0.08	
25	10	Mercury	LW2-G454	LW2-G454	WLCOFJ02S0505	WLCOFJ02S0505S5050	7636589	696741.7	7636602	696760.3	01-Sep-04	East	9.32	0	25	0.018	B
25	10	Mercury	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	0.053	
25	10	Mercury	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	0.036	
25	10	Mercury	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	0.051	
25	10	Mercury	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	0.071	
25	10	Mercury	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	0.08	
25	10	Mercury	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	0.313	*
25	10	Mercury	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	0.0525	
25	10	Mercury	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	0.06	U
25	10	Mercury	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	0.06	U
25	10	Mercury	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	0.07	U
25	10	Mercury	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	0.085	
25	10	Mercury	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	0.085	
25	10	Mercury	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	0.05	U
25	10	Mercury	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	0.08	
25	10	Mercury	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	0.06	U
25	10	Mercury	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	0.54	
25	10	Mercury	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	0.54	
25	10	Mercury	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	0.64	
25	10	Mercury	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	0.16	
25	10	Mercury	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	0.16	
25	10	Mercury	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	0.15	
25	10	Mercury	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	0.074	
25	10	Mercury	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	0.06	
25	10	Mercury	GN-05-A-PG	LWG2-PG-GN5A	GN-05-A-PG-2	LWG2-PG-GN5A-2	7631921	697407.2	7631927	697408.9	02-Dec-05	West	8.51	0	27	0.076	
25	10	Mercury	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	01-Dec-05	West	6.23	0	26	0.127	
25	10	Mercury	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	01-Dec-05	West	4.18	0	20	0.014	B
25	10	Mercury	W-09-A-PG	LWG2-PG-W9A	WLRWTF98TOSSD1	WLRWTF98TOSSD1TOSSD1	7628900	700250.1	7628882	700246.9	30-Nov-05	West	7.71	0	23	0.03	
25	10	Mercury	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	WLCOFJ02M0303	WLCOFJ02M0303M3030	7636982	698942.4	7636996	698944.6	05-Apr-98		8.93	0	10	0.1	
25	10	Mercury	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	WLCOFJ02S0202	WLCOFJ02S0202S2020	7636721	698438.9	7636722	698418.5	05-Apr-98		9.05	0	10	0.05	
25	10	Mercury	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	07-Apr-98		8.50	0	10	0.11	
25	10	Mercury	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	07-Apr-98		8.50	0	10	0.11	
25	10	Mercury	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WR-WSI98SD136	WR-WSI98SD1360	7634600	700860.8	7634624	700864.1	07-Apr-98		8.50	0	10	0.11	
25	10	Mercury	WLCDRD05PG068	WLCDRD05PG06868	WR-WSI98SD088	WR-WSI98SD0880	7627501	703015.5	7627489	703007.5	25-May-05		7.19	0	30	0.123	
25	10	Mercury	WLCOFH02M103	WLCOFH02M103M103	WR-WSI98SD136	WR-WSI98SD1360	7634607	700863	7634624	700864.1	22-Aug-02		8.50	0	15	0.131	
25	10	Mercury	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	22-Aug-02		8.50	0	15	0.131	
25	10	Mercury	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	22-Aug-02		8.53	0	15	0.0104	U
25	10	Mercury	WLCOFH02M109	WLCOFH02M109M109	WR-WSI98SD136	WR-WSI98SD1360	7634616	700876.6	7634624	700864.1	22-Aug-02		8.50	0	15	0.0124	U
25	10	Mercury	WLCOFJ022205	WLCOFJ02220522050	WLRWTF98TOSSD3	WLRWTF98TOSSD3TOSSD3	7629070	700151.3	7629084	700168.3	21-Oct-02		7.75	0	12	0.0582	
25	10	Mercury	WLCOSJ00RB04	WLCOSJ00RB04SD0004	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	10	0.02	
25	10	Mercury	WLCOSJ00RB04	WLCOSJ00RB04SD0014	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	30	0.03	
25	10	Mercury	WLCOSJ00RB06	WLCOSJ00RB06SD0006	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	0.03	
25	10	Mercury	WLCOSJ00RB06	WLCOSJ00RB06SD0007	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	0.03	
25	10	Mercury	WLCT4C04VC22	WLCT4C04VC22VC2201	WLCT4J98HCS32	WLCT4J98HCS32HCS32	7619717	713411.8	7619715	713397.6	11-Mar-04		4.58	0	30.48	0.009	B
25	10	Mercury	WLCT4C04VC23	WLCT4C04VC23VC2301	WLCT4J98HCS22	WLCT4J98HCS22HCS22	7620016	713369.3	7620022	713361.8	38049		4.61	0	30.48	0.033	J
25	10	Mercury	WLCT4C04VC28	WLCT4C04VC28VC2801	WLCT4J98HCS14	WLCT4J98HCS14HCS14	7620093	713098.4	7620101	713092.8	38050		4.67	0	30.48	0.011	B
25	10	Mercury	WLCT4J98HCS09	WLCT4J98HCS09HCS09	WR-WSI98SD032	WR-WSI98SD0320	7620394	713392.3	7620406	713381.3	36081	East	4.64	0	10	0.13	

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Table C3-3. Mercury Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Mercury	LW2-B004	Y	mg/kg	10-Oct-00	2.28	East	0	10	0.05		Y	mg/kg	
25	10	Mercury	LW2-B021	Y	mg/kg	12-Dec-05	8.19	West	0	10	0.079		Y	mg/kg	
25	10	Mercury	LW2-B022	Y	mg/kg	27-Jul-04	8.40	West	0	15	0.069		Y	mg/kg	
25	10	Mercury	LW2-B025	Y	mg/kg	29-Jul-04	9.40	West	0	15	0.0285		Y	mg/kg	
25	10	Mercury	LW2-C527	Y	mg/kg	21-Sep-97	6.10		0	10	0.06		Y	mg/kg	
25	10	Mercury	LW2-C533	Y	mg/kg	22-Oct-04	6.83	East	0	23	0.249		Y	mg/kg	
25	10	Mercury	LW2-D1	Y	mg/kg	05-Nov-04	2.00	West	0	29	0.068		Y	mg/kg	
25	10	Mercury	LW2-G007	Y	mg/kg	20-Jul-04	2.10	East	0	27	0.131		Y	mg/kg	
25	10	Mercury	LW2-G019	Y	mg/kg	19-Dec-05	2.28	East	0	10	0.064	*	Y	mg/kg	
25	10	Mercury	LW2-G023	Y	mg/kg	04-Aug-04	2.40	West	0	22	0.03		Y	mg/kg	
25	10	Mercury	LW2-G044	Y	mg/kg	05-Aug-04	3.00	East	0	29	0.081		Y	mg/kg	
25	10	Mercury	LW2-G075	Y	mg/kg	02-Aug-04	3.70	East	0	28	0.041		Y	mg/kg	
25	10	Mercury	LW2-G092	Y	mg/kg	24-Oct-02	3.93	East	0	15	0.09		Y	mg/kg	
25	10	Mercury	LW2-G115	Y	mg/kg	11-Aug-04	4.00	NavChan	0	27	0.05		Y	mg/kg	
25	10	Mercury	LW2-G121	Y	mg/kg	17-Sep-97	4.04		0	10	0.05	J	Y	mg/kg	
25	10	Mercury	LW2-G126	Y	mg/kg	08-Oct-99	4.17	West	0	10	0.105		Y	mg/kg	
25	10	Mercury	LW2-G126	Y	mg/kg	08-Oct-99	4.17	West	30	40	0.254		Y	mg/kg	
25	10	Mercury	LW2-G140	Y	mg/kg	10-Aug-04	4.70	West	0	23	0.025		Y	mg/kg	
25	10	Mercury	LW2-G170	Y	mg/kg	19-Sep-97	5.02		0	10	0.05		Y	mg/kg	
25	10	Mercury	LW2-G193	Y	mg/kg	08-Feb-02	5.57	East	0	15	0.1	U	N	mg/kg	
25	10	Mercury	LW2-G197	Y	mg/kg	26-Aug-04	5.60	East	0	25	0.125		Y	mg/kg	
25	10	Mercury	LW2-G202	Y	mg/kg	19-Sep-97	5.61		0	10	0.0001	U	N	mg/l	
25	10	Mercury	LW2-G202	Y	mg/kg	19-Sep-97	5.61		0	10	0.09		Y	mg/kg	
25	10	Mercury	LW2-G203	Y	mg/kg	20-Jul-04	5.60	East	0	27	0.118		Y	mg/kg	
25	10	Mercury	LW2-G209	Y	mg/kg	23-Oct-02	5.66	East	0	15	0.12		Y	mg/kg	
25	10	Mercury	LW2-G210	Y	mg/kg	26-May-05	5.50		0	30	0.146		Y	mg/kg	
25	10	Mercury	LW2-G231	Y	mg/kg	08-Aug-00	5.77	West	0	20	0.09		Y	mg/kg	
25	10	Mercury	LW2-G246	Y	mg/kg	08-Aug-00	5.90	West	0	20	0.08		Y	mg/kg	
25	10	Mercury	LW2-G251	Y	mg/kg	12-Aug-04	6.00	West	0	29	0.06		Y	mg/kg	
25	10	Mercury	LW2-G270	Y	mg/kg	21-Jul-04	6.20	West	0	29	0.124		Y	mg/kg	
25	10	Mercury	LW2-G275	Y	mg/kg	31-Aug-04	6.60	East	0	26	0.134		Y	mg/kg	
25	10	Mercury	LW2-G294	Y	mg/kg	21-Jul-04	6.40	West	0	29	0.093		Y	mg/kg	
25	10	Mercury	LW2-G308	Y	mg/kg	20-Sep-97	6.50		0	10	0.06		Y	mg/kg	
25	10	Mercury	LW2-G324	Y	mg/kg	22-Jul-04	6.80	West	0	26	0.042		Y	mg/kg	
25	10	Mercury	LW2-G336	Y	mg/kg	22-Sep-97	6.98		0	10	0.05		Y	mg/kg	
25	10	Mercury	LW2-G345	Y	mg/kg	22-Jul-04	7.10	West	0	28	0.069		Y	mg/kg	
25	10	Mercury	LW2-G351	Y	mg/kg	28-Oct-04	7.20	West	0	28	0.084		Y	mg/kg	
25	10	Mercury	LW2-G353	Y	mg/kg	23-Aug-04	7.30	West	0	27	0.063		Y	mg/kg	
25	10	Mercury	LW2-G355	Y	mg/kg	12-Nov-02	7.30	West	0	15	0.07	U	N	mg/kg	
25	10	Mercury	LW2-G356	Y	mg/kg	25-May-05	7.37		0	28	0.07		Y	mg/kg	
25	10	Mercury	LW2-G362	Y	mg/kg	22-Oct-04	7.40	West	0	27	0.08		Y	mg/kg	
25	10	Mercury	LW2-G372	Y	mg/kg	24-Aug-04	8.10	East	0	30	0.101		Y	mg/kg	
25	10	Mercury	LW2-G382	Y	mg/kg	22-Sep-97	8.30		0	10	0.12		Y	mg/kg	
25	10	Mercury	LW2-G383	Y	mg/kg	22-Sep-97	8.50		0	10	0.06		Y	mg/kg	
25	10	Mercury	LW2-G384	Y	mg/kg	23-Aug-04	8.20	East	0	29	0.066		Y	mg/kg	
25	10	Mercury	LW2-G401	Y	mg/kg	21-Oct-02	7.73		0	10	0.0719		Y	mg/kg	
25	10	Mercury	LW2-G401	Y	mg/kg	23-Sep-97	7.74		0	10	0.02		Y	mg/kg	
25	10	Mercury	LW2-G404	Y	mg/kg	21-Oct-02	7.76		0	12	0.0803		Y	mg/kg	
25	10	Mercury	LW2-G410	Y	mg/kg	09-Sep-04	8.00	NavChan	0	30	0.065		Y	mg/kg	
25	10	Mercury	LW2-G425	Y	mg/kg	05-Apr-98	8.93		0	10	0.1		Y	mg/kg	
25	10	Mercury	LW2-G430	Y	mg/kg	14-Oct-02	9.05		0	15	0.0376		Y	mg/kg	
25	10	Mercury	LW2-G430	Y	mg/kg	05-Apr-98	9.05		0	10	0.05		Y	mg/kg	
25	10	Mercury	LW2-G433	Y	mg/kg	09-Sep-04	8.80	East	0	27	0.06		Y	mg/kg	

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Table C3-3. Mercury Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Mercury	LW2-G450	Y	mg/kg	25-Aug-04	8.80	West	0	28	0.076		Y	mg/kg	
25	10	Mercury	LW2-G454	Y	mg/kg	21-Oct-02	9.33		0	15	0.0146	J	Y	mg/kg	
25	10	Mercury	LW2-G471	Y	mg/kg	24-May-05	9.24		0	20	0.061		Y	mg/kg	
25	10	Mercury	LW2-G475	Y	mg/kg	01-Sep-04	9.40	NavChan	0	27	0.043		Y	mg/kg	
25	10	Mercury	LW2-G492	Y	mg/kg	24-Aug-04	9.80	West	0	28	0.056		Y	mg/kg	
25	10	Mercury	LW2-G519	Y	mg/kg	16-Aug-04	4.10	East	0	29	0.07		Y	mg/kg	
25	10	Mercury	LW2-GBT006-1	Y	mg/kg	16-Dec-05	3.87	East	0	10	0.0795		Y	mg/kg	
25	10	Mercury	LW2-GBT018	Y	mg/kg	25-May-05	7.22		0	30	0.093		Y	mg/kg	
25	10	Mercury	LW2-GBT027-1	Y	mg/kg	07-Dec-05	8.80	East	0	10	0.0625		Y	mg/kg	
25	10	Mercury	LWG0103R003SDS015C10	N	mg/kg	17-Oct-02	3.50	East	0	15	0.07	U	N	mg/kg	
25	10	Mercury	LWG0103R003SDS015C10	N	mg/kg	17-Oct-02	3.50	East	0	15	0.06	U	N	mg/kg	
25	10	Mercury	LWG0103R003SDS015C20	N	mg/kg	17-Oct-02	3.50	East	0	15	0.06	U	N	mg/kg	
25	10	Mercury	LWG0103R004SDS015C10	Y	mg/kg	18-Oct-02	4.10	East	0	15	0.05	U	N	mg/kg	
25	10	Mercury	LWG0103R004SDS015C10	Y	mg/kg	18-Oct-02	4.10	East	0	15	0.06	U	N	mg/kg	
25	10	Mercury	LWG0103R004SDS015C20	N	mg/kg	18-Oct-02	4.10	East	0	15	0.06	U	N	mg/kg	
25	10	Mercury	LWG0104R002SDS015C00	Y	mg/kg	13-Oct-98	4.67	East	0	10	0.14		Y	mg/kg	
25	10	Mercury	LWG0104R003SDS015C00	N	mg/kg	17-Mar-04	4.44		0	30.48	0.097		Y	mg/kg	
25	10	Mercury	LWG0106R002SDS015C10	Y	mg/kg	23-Oct-02	6.80	East	0	15	0.64		Y	mg/kg	
25	10	Mercury	LWG0106R002SDS015C10	Y	mg/kg	23-Oct-02	6.80	East	0	15	0.94		Y	mg/kg	
25	10	Mercury	LWG0106R002SDS015C20	Y	mg/kg	23-Oct-02	6.80	East	0	15	0.94		Y	mg/kg	
25	10	Mercury	LWG0109R001SDS015C10	Y	mg/kg	24-Oct-02	9.00	East	0	15	0.15		Y	mg/kg	
25	10	Mercury	LWG0109R001SDS015C10	Y	mg/kg	24-Oct-02	9.00	East	0	15	0.385		Y	mg/kg	
25	10	Mercury	LWG0109R001SDS015C20	Y	mg/kg	24-Oct-02	9.00	East	0	15	0.385		Y	mg/kg	
25	10	Mercury	AP-04-C-PG	Y	mg/kg	30-Nov-05	7.32	West	0	29	0.088		Y	mg/kg	
25	10	Mercury	CP-09-D-PG	Y	mg/kg	08-Oct-04	7.47	West	0	26	0.055		Y	mg/kg	
25	10	Mercury	GN-05-A-PG	Y	mg/kg	02-Dec-05	8.5	West	0	27	0.085		Y	mg/kg	
25	10	Mercury	GS-04-A-PG	Y	mg/kg	01-Dec-05	6.22	West	0	26	0.078		Y	mg/kg	
25	10	Mercury	KM-08-A-PG	Y	mg/kg	07-Oct-04	4.17	West	0	30	0.017	B	Y	mg/kg	
25	10	Mercury	W-09-A-PG	Y	mg/kg	17-Dec-98	7.71	West	0	12.7	0.05	U	N	mg/kg	
25	10	Mercury	PSYSEA98PSY01	Y	mg/kg	14-Oct-02	8.93		0	12	0.0398		Y	mg/kg	QA2Cat1
25	10	Mercury	PSYSEA98PSY03	Y	mg/kg	14-Oct-02	9.08		0	15	0.0218	J	Y	mg/kg	QA2Cat1
25	10	Mercury	PSYSEA98PSY08	Y	mg/kg	22-Aug-02	8.50		0	15	0.131		Y	mg/kg	QA2Cat1
25	10	Mercury	PSYSEA98PSY08	Y	mg/kg	22-Aug-02	8.50		0	15	0.0124	U	N	mg/kg	QA2Cat1
25	10	Mercury	PSYSEA98PSY08	Y	mg/kg	22-Sep-97	8.50		0	10	0.06		Y	mg/kg	QA2Cat1
25	10	Mercury	WLCDRD05PG068	Y	mg/kg	22-Sep-97	7.19		0	10	0.08		Y	mg/kg	QA2Cat1
25	10	Mercury	WLCOFH02M103	Y	mg/kg	22-Sep-97	8.50		0	10	0.06		Y	mg/kg	QA2Cat1
25	10	Mercury	WLCOFH02M103	Y	mg/kg	22-Aug-02	8.50		0	15	0.0124	U	N	mg/kg	QA2Cat1
25	10	Mercury	WLCOFH02M104	N	mg/kg	22-Aug-02	8.53		0	15	0.0111	U	N	mg/kg	QA2Cat1
25	10	Mercury	WLCOFH02M109	N	mg/kg	22-Sep-97	8.50		0	10	0.06		Y	mg/kg	QA2Cat1
25	10	Mercury	WLCOFJ022205	Y	mg/kg	17-Dec-98	7.75	West	0	12.7	0.12	U	N	mg/kg	QA2Cat1
25	10	Mercury	WLCOSJ00RB04	Y	mg/kg	10-Oct-00	2.17	East	0	30	0.03		Y	mg/kg	QA1Cat1
25	10	Mercury	WLCOSJ00RB04	Y	mg/kg	10-Oct-00	2.17	East	0	30	0.03		Y	mg/kg	QA1Cat1
25	10	Mercury	WLCOSJ00RB06	Y	mg/kg	10-Oct-00	2.17	East	0	30	0.03		Y	mg/kg	QA1Cat1
25	10	Mercury	WLCOSJ00RB06	Y	mg/kg	10-Oct-00	2.17	East	0	30	0.03		Y	mg/kg	QA1Cat1
25	10	Mercury	WLCT4C04VC22	Y	mg/kg	14-Oct-98	4.58	East	0	10	0.07	E	Y	mg/kg	QA2Cat1
25	10	Mercury	WLCT4C04VC23	Y	mg/kg	36082	4.61	East	0	10	0.09	E	Y	mg/kg	QA2Cat1
25	10	Mercury	WLCT4C04VC28	Y	mg/kg	36082	4.67	East	0	10	0.02	E	Y	mg/kg	QA2Cat1
25	10	Mercury	WLCT4J98HCS09	Y	mg/kg	35691	4.66		0	10	0.1		Y	mg/kg	QA1Cat1

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Table C3-4. Arsenic Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Arsenic	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	2.7	
25	10	Arsenic	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	3.01	
25	10	Arsenic	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	3.62	
25	10	Arsenic	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	2.51	
25	10	Arsenic	LW2-C301	LW2-C301-A	WR-WSI98SD068	WR-WSI98SD0680	7624556	705332.8	7624560	705336.4	08-Nov-04	West	6.39	0	30	3.48	
25	10	Arsenic	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	3.97	
25	10	Arsenic	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	5.23	
25	10	Arsenic	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	4.17	
25	10	Arsenic	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	3.93	
25	10	Arsenic	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	5.42	
25	10	Arsenic	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	2.81	
25	10	Arsenic	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	3.92	
25	10	Arsenic	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	2.68	
25	10	Arsenic	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	9.17	
25	10	Arsenic	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	3.01	
25	10	Arsenic	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	3.84	
25	10	Arsenic	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	2.7	
25	10	Arsenic	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	2.7	
25	10	Arsenic	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	2.52	
25	10	Arsenic	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	2.92	
25	10	Arsenic	LW2-G193	LW2-G193	WLCMCB02SED03	WLCMCB02SED03SED03	7621861	709005.9	7621871	709009.1	13-Aug-04	East	5.57	0	26	5.96	
25	10	Arsenic	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	6.62	
25	10	Arsenic	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	3.88	
25	10	Arsenic	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530PW	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	3.88	
25	10	Arsenic	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	4.1	
25	10	Arsenic	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	4.05	
25	10	Arsenic	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	2.78	
25	10	Arsenic	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	8.83	
25	10	Arsenic	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	3.39	
25	10	Arsenic	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	3.55	
25	10	Arsenic	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	4.46	
25	10	Arsenic	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	4.1	
25	10	Arsenic	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	3.49	
25	10	Arsenic	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	2.39	
25	10	Arsenic	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	4.58	
25	10	Arsenic	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	4.27	
25	10	Arsenic	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	3.2	
25	10	Arsenic	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	5.01	
25	10	Arsenic	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	4.24	
25	10	Arsenic	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	8.37	
25	10	Arsenic	LW2-G356	LW2-G356	WLCDRD05PG072	WLCDRD05PG07272	7628148	702306.2	7628146	702282.1	26-Aug-04	West	7.37	0	29	5.58	
25	10	Arsenic	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	4.59	
25	10	Arsenic	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	4.89	
25	10	Arsenic	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	13.8	
25	10	Arsenic	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	1.52	
25	10	Arsenic	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	6.22	
25	10	Arsenic	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	4.54	
25	10	Arsenic	LW2-G401	LW2-G401	WLCOFJ022206	WLCOFJ02220622060	7629037	700154.5	7629040	700176.6	22-Oct-04	West	7.74	0	27	4.54	
25	10	Arsenic	LW2-G404	LW2-G404	WLCOFJ022204	WLCOFJ02220422040	7629091	700095.8	7629090	700117.4	27-Aug-04	West	7.76	0	25	4.24	
25	10	Arsenic	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	4.09	
25	10	Arsenic	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	2	
25	10	Arsenic	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	3.46	
25	10	Arsenic	LW2-G430	LW2-G430	WLCOFJ02S0203	WLCOFJ02S0203S2030	7636706	698453.4	7636711	698462.8	22-Oct-04	East	9.05	0	25	3.46	

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Table C3-4. Arsenic Concentrations for Coll-ocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Arsenic	Y	mg/kg	10-Oct-00	2.28	East	0	10	9.3		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	12-Dec-05	8.19	West	0	10	3.92		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	27-Jul-04	8.40	West	0	15	3.83		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	29-Jul-04	9.40	West	0	15	2.43		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Sep-97	6.39		0	10	5	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Sep-97	6.10		0	10	6	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Oct-04	6.83	East	0	23	6.43		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	05-Nov-04	2.00	West	0	29	4.33		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	20-Jul-04	2.10	East	0	27	3.73		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	19-Dec-05	2.28	East	0	10	5.15		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	04-Aug-04	2.40	West	0	22	2.8		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	05-Aug-04	3.00	East	0	29	3.86		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	02-Aug-04	3.70	East	0	28	3.08		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Oct-02	3.93	East	0	15	7.8		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	11-Aug-04	4.00	NavChan	0	27	3.19		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Sep-97	4.04		0	10	5	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Oct-99	4.17	West	30	40	6.62		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Oct-99	4.17	West	0	10	3.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	10-Aug-04	4.70	West	0	23	2.41		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	19-Sep-97	5.02		0	10	5	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Feb-02	5.57	East	0	15	7.39		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	26-Aug-04	5.60	East	0	25	4.79		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	19-Sep-97	5.61		0	10	5	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	19-Sep-97	5.61		0	10	0.001		Y	mg/l	
25	10	Arsenic	Y	mg/kg	20-Jul-04	5.60	East	0	27	7.67		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Oct-02	5.66	East	0	15	3.5		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	26-May-05	5.50		0	30	6.79		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Aug-00	5.77	West	0	20	11.1		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Aug-00	5.90	West	0	20	4.6		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	12-Aug-04	6.00	West	0	29	3.64		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Jul-04	6.20	West	0	29	3.82		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	31-Aug-04	6.60	East	0	26	3.7		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Jul-04	6.40	West	0	29	3.22		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	20-Sep-97	6.50		0	10	9	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Jul-04	6.80	West	0	26	4.74		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Sep-97	6.98		0	10	8	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Jul-04	7.10	West	0	28	3.09		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	28-Oct-04	7.20	West	0	28	6.04		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Aug-04	7.30	West	0	27	4.36		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	12-Nov-02	7.30	West	0	15	4.4		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	25-May-05	7.37		0	28	4.9		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Oct-04	7.40	West	0	27	4.21		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Aug-04	8.10	East	0	30	4.78		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Sep-97	8.30		0	10	7	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	22-Sep-97	8.50		0	10	7	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Aug-04	8.20	East	0	29	5.36		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Sep-97	7.74		0	10	3	U	N	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Oct-02	7.73		0	10	3.88		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Oct-02	7.76		0	12	4.26		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	09-Sep-04	8.00	NavChan	0	30	4.33		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	05-Apr-98	8.93		0	10	5		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	05-Apr-98	9.05		0	10	4		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	14-Oct-02	9.05		0	15	3.52		Y	mg/kg	

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Table C3-4. Arsenic Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Arsenic	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	3.56	
25	10	Arsenic	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	4.5	
25	10	Arsenic	LW2-G454	LW2-G454	WLCOFJ02S0505	WLCOFJ02S0505S5050	7636589	696741.7	7636602	696760.3	01-Sep-04	East	9.32	0	25	2.6	
25	10	Arsenic	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	4.1	
25	10	Arsenic	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	3.56	
25	10	Arsenic	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	3.18	
25	10	Arsenic	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	4.19	
25	10	Arsenic	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	3.43	
25	10	Arsenic	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	4.18	
25	10	Arsenic	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	3.12	
25	10	Arsenic	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	3.95	
25	10	Arsenic	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	3.95	
25	10	Arsenic	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	4.5	
25	10	Arsenic	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	3.55	
25	10	Arsenic	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	3.55	
25	10	Arsenic	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	3.2	
25	10	Arsenic	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	10.3	
25	10	Arsenic	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	4.7	
25	10	Arsenic	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	4.35	
25	10	Arsenic	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	4.35	
25	10	Arsenic	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	3.3	
25	10	Arsenic	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	8.55	
25	10	Arsenic	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	8.55	
25	10	Arsenic	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	8.9	
25	10	Arsenic	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	3.62	
25	10	Arsenic	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	3.41	
25	10	Arsenic	GN-05-A-PG	LWG2-PG-GN5A	GN-05-A-PG-2	LWG2-PG-GN5A-2	7631921	697407.2	7631927	697408.9	02-Dec-05	West	8.51	0	27	8.12	
25	10	Arsenic	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	01-Dec-05	West	6.23	0	26	3.02	
25	10	Arsenic	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	01-Dec-05	West	4.18	0	20	3.82	
25	10	Arsenic	W-09-A-PG	LWG2-PG-W9A	WLRWTF98TOSSD1	WLRWTF98TOSSD1TOSSD1	7628900	700250.1	7628882	700246.9	30-Nov-05	West	7.71	0	23	2.32	
25	10	Arsenic	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	WLCOFJ02M0303	WLCOFJ02M0303M3030	7636982	698942.4	7636996	698944.6	05-Apr-98		8.93	0	10	5	
25	10	Arsenic	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	WLCOFJ02S0202	WLCOFJ02S0202S2020	7636721	698438.9	7636722	698418.5	05-Apr-98		9.05	0	10	4	
25	10	Arsenic	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	07-Apr-98		8.50	0	10	6.5	
25	10	Arsenic	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	07-Apr-98		8.50	0	10	6.5	
25	10	Arsenic	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WR-WSI98SD136	WR-WSI98SD1360	7634600	700860.8	7634624	700864.1	07-Apr-98		8.50	0	10	6.5	
25	10	Arsenic	WLCDRD05PG068	WLCDRD05PG06868	WR-WSI98SD088	WR-WSI98SD0880	7627501	703015.5	7627489	703007.5	25-May-05		7.19	0	30	3.6	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	0	10	2.4	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	0	10	2.4	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	0	10	2.4	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	10	20	3.2	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	10	20	3.2	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	10	20	3.2	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	30	40	3.1	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	30	40	3.1	
25	10	Arsenic	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	10-Apr-01		6.39	30	40	3.1	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	3.4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	4	
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	4	

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Table C3-4. Arsenic Concentrations for Coll-ocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Arsenic	Y	mg/kg	09-Sep-04	8.80	East	0	27	3.36		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	25-Aug-04	8.80	West	0	28	5.09		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	21-Oct-02	9.33		0	15	5.5		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-May-05	9.24		0	20	4.58		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	01-Sep-04	9.40	NavChan	0	27	3.32		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Aug-04	9.80	West	0	28	3.36		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	16-Aug-04	4.10	East	0	29	4.16		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	16-Dec-05	3.87	East	0	10	3.5		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	25-May-05	7.22		0	30	4.31		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	07-Dec-05	8.80	East	0	10	3.31		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Oct-02	3.50	East	0	15	4.5		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Oct-02	3.50	East	0	15	4.85		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Oct-02	3.50	East	0	15	4.85		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	18-Oct-02	4.10	East	0	15	3.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	18-Oct-02	4.10	East	0	15	3.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	18-Oct-02	4.10	East	0	15	3.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	13-Oct-98	4.67	East	0	10	14	G	Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Mar-04	4.44		0	30.48	4.9		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Oct-02	6.80	East	0	15	3.7		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Oct-02	6.80	East	0	15	3.3		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	23-Oct-02	6.80	East	0	15	3.7		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Oct-02	9.00	East	0	15	8.9		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Oct-02	9.00	East	0	15	7.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	24-Oct-02	9.00	East	0	15	7.2		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	30-Nov-05	7.32	West	0	29	3.41		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	08-Oct-04	7.47	West	0	26	3.7		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	02-Dec-05	8.5	West	0	27	5.55		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	01-Dec-05	6.22	West	0	26	3.11		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	07-Oct-04	4.17	West	0	30	2.7		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	17-Dec-98	7.71	West	0	12.7	2.6		Y	mg/kg	
25	10	Arsenic	Y	mg/kg	14-Oct-02	8.93		0	12	4.04		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	14-Oct-02	9.08		0	15	1.97		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	22-Aug-02	8.50		0	15	5.81		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	22-Aug-02	8.50		0	15	4.84		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	22-Sep-97	8.50		0	10	7	U	N	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	22-Sep-97	7.19		0	10	5	U	N	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		0	10	4.1		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		10	20	3.4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		30	40	4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		0	10	4.1		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		10	20	3.4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		30	40	4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		0	10	4.1		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		10	20	3.4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	10-Apr-01	6.39		30	40	4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		0	10	4.3		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		10	20	3.8		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		30	40	4.2		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		0	10	4.3		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		10	20	3.8		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		30	40	4.2		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		0	10	4.3		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36992	6.32		10	20	3.8		Y	mg/kg	QA2Cat1

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Table C3-4. Arsenic Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1
25	10	Arsenic	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	4	
25	10	Arsenic	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	37490		8.50	0	15	5.81	
25	10	Arsenic	WLCOFH02M103	WLCOFH02M103M103	WR-WSI98SD136	WR-WSI98SD1360	7634607	700863	7634624	700864.1	37490		8.50	0	15	5.81	
25	10	Arsenic	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	37490		8.53	0	15	3.86	
25	10	Arsenic	WLCOFH02M109	WLCOFH02M109M109	WR-WSI98SD136	WR-WSI98SD1360	7634616	700876.6	7634624	700864.1	37490		8.50	0	15	4.84	
25	10	Arsenic	WLCOFJ022205	WLCOFJ02220522050	WLRWTF98TOSSD3	WLRWTF98TOSSD3TOSSD3	7629070	700151.3	7629084	700168.3	37550		7.75	0	12	4.29	
25	10	Arsenic	WLCOSJ00RB04	WLCOSJ00RB04SD0004	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	36809	East	2.17	0	10	2	
25	10	Arsenic	WLCOSJ00RB04	WLCOSJ00RB04SD0014	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	36809	East	2.17	0	30	2.8	
25	10	Arsenic	WLCOSJ00RB06	WLCOSJ00RB06SD0006	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	36809	East	2.17	0	10	3	
25	10	Arsenic	WLCOSJ00RB06	WLCOSJ00RB06SD0007	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	36809	East	2.17	0	10	2.8	
25	10	Arsenic	WLCT4C04VC22	WLCT4C04VC22VC2201	WLCT4J98HCS32	WLCT4J98HCS32HCS32	7619717	713411.8	7619715	713397.6	38057		4.58	0	30.48	1.2	
25	10	Arsenic	WLCT4C04VC23	WLCT4C04VC23VC2301	WLCT4J98HCS22	WLCT4J98HCS22HCS22	7620016	713369.3	7620022	713361.8	38049		4.61	0	30.48	4.2	
25	10	Arsenic	WLCT4C04VC28	WLCT4C04VC28VC2801	WLCT4J98HCS14	WLCT4J98HCS14HCS14	7620093	713098.4	7620101	713092.8	38050		4.67	0	30.48	2.8	
25	10	Arsenic	WLCT4J98HCS09	WLCT4J98HCS09HCS09	WR-WSI98SD032	WR-WSI98SD0320	7620394	713392.3	7620406	713381.3	36081	East	4.64	0	10	9	G

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Table C3-4. Arsenic Concentrations for Coll-ocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	detect_flag_loc1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Arsenic	Y	mg/kg	36992	6.32		30	40	4.2		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	37490	8.50		0	15	4.84		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	35695	8.50		0	10	7	U	N	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	37490	8.53		0	15	3.65		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	35695	8.50		0	10	7	U	N	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36146	7.75	West	0	12.7	6.18		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36809	2.17	East	0	30	2.2		Y	mg/kg	QA1Cat1
25	10	Arsenic	Y	mg/kg	36809	2.17	East	0	30	2.2		Y	mg/kg	QA1Cat1
25	10	Arsenic	Y	mg/kg	36809	2.17	East	0	30	2.2		Y	mg/kg	QA1Cat1
25	10	Arsenic	Y	mg/kg	36809	2.17	East	0	30	2.2		Y	mg/kg	QA1Cat1
25	10	Arsenic	Y	mg/kg	36082	4.58	East	0	10	4		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36082	4.61	East	0	10	5		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	36082	4.67	East	0	10	3		Y	mg/kg	QA2Cat1
25	10	Arsenic	Y	mg/kg	35691	4.66		0	10	7		Y	mg/kg	QA1Cat1

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Table C3-5. Total PCB Arcolor Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1	detect_flag_loc1
25	10	Aroclors	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	1400	T	Y
25	10	Aroclors	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	81	T	Y
25	10	Aroclors	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	119	T	Y
25	10	Aroclors	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	109	T	Y
25	10	Aroclors	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	140		N
25	10	Aroclors	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	110		Y
25	10	Aroclors	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	17.8	JT	Y
25	10	Aroclors	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	271	JT	Y
25	10	Aroclors	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	1530	T	Y
25	10	Aroclors	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	2.8	UJT	N
25	10	Aroclors	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	17.8	JT	Y
25	10	Aroclors	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	5.7	UJT	N
25	10	Aroclors	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	1500	T	Y
25	10	Aroclors	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	2.47	UT	N
25	10	Aroclors	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	2.47	UT	N
25	10	Aroclors	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	44.5	JT	Y
25	10	Aroclors	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	51.6	JT	Y
25	10	Aroclors	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	66	JT	Y
25	10	Aroclors	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	196	T	Y
25	10	Aroclors	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	2.39	JT	Y
25	10	Aroclors	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	2.02	JT	Y
25	10	Aroclors	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	4.4	UJT	N
25	10	Aroclors	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	8.6	T	Y
25	10	Aroclors	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	4.3	UJT	N
25	10	Aroclors	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	80	JT	Y
25	10	Aroclors	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	19.8	JT	Y
25	10	Aroclors	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	19.3	T	Y
25	10	Aroclors	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	19.5	JT	Y
25	10	Aroclors	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	309	JT	Y
25	10	Aroclors	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	78	UJT	N
25	10	Aroclors	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	1000	UT	N
25	10	Aroclors	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	48.5	JT	Y
25	10	Aroclors	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	179	JT	Y
25	10	Aroclors	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	44	JT	Y
25	10	Aroclors	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	21.9	T	Y
25	10	Aroclors	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	14.9	JT	Y
25	10	Aroclors	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	2.39	JT	Y
25	10	Aroclors	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	33.8	JT	Y
25	10	Aroclors	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	94	JT	Y
25	10	Aroclors	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	14.7	JT	Y
25	10	Aroclors	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	9.24	JT	Y
25	10	Aroclors	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	173	T	Y
25	10	Aroclors	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	69	T	Y
25	10	Aroclors	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	54		Y
25	10	Aroclors	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	80		N
25	10	Aroclors	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	53		Y
25	10	Aroclors	LW2-U4Q	LW2-U4Q-1	WLLRSH01HC08	WLLRSH01HC08HC08	7651297	652815.1	7651281	652813.1	04-Nov-04	River	18.8	0	26	1.86	JT	Y

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Table C3-5. Total PCB Arcolor Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Aroclors	LW2-B004	ug/kg	10-Oct-00	2.28	East	0	10	290	A	Y	ug/kg	AB
25	10	Aroclors	LW2-B021	ug/kg	12-Dec-05	8.19	West	0	10	72		Y	ug/kg	AB
25	10	Aroclors	LW2-B022	ug/kg	27-Jul-04	8.40	West	0	15	71	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-B025	ug/kg	29-Jul-04	9.40	West	0	15	76	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-C527	ug/kg	21-Sep-97	6.10		0	10	38	UA	N	ug/kg	
25	10	Aroclors	LW2-C533	ug/kg	22-Oct-04	6.83	East	0	23	3130	JT	Y	ug/kg	
25	10	Aroclors	LW2-D1	ug/kg	05-Nov-04	2.00	West	0	29	9.83	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G007	ug/kg	20-Jul-04	2.10	East	0	27	382	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G019	ug/kg	19-Dec-05	2.28	East	0	10	1130		Y	ug/kg	AB
25	10	Aroclors	LW2-G023	ug/kg	04-Aug-04	2.40	West	0	22	3.1	UJT	N	ug/kg	AB
25	10	Aroclors	LW2-G044	ug/kg	05-Aug-04	3.00	East	0	29	20.6	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G075	ug/kg	02-Aug-04	3.70	East	0	28	6.3	UJT	N	ug/kg	AB
25	10	Aroclors	LW2-G092	ug/kg	24-Oct-02	3.93	East	0	15	1500		Y	ug/kg	AB
25	10	Aroclors	LW2-G126	ug/kg	08-Oct-99	4.17	West	30	40	288	UA	N	ug/kg	AB
25	10	Aroclors	LW2-G126	ug/kg	08-Oct-99	4.17	West	0	10	134	UA	N	ug/kg	AB
25	10	Aroclors	LW2-G140	ug/kg	10-Aug-04	4.70	West	0	23	2.6	UJT	N	ug/kg	AB
25	10	Aroclors	LW2-G197	ug/kg	26-Aug-04	5.60	East	0	25	60.2	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G203	ug/kg	20-Jul-04	5.60	East	0	27	57.5	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G209	ug/kg	23-Oct-02	5.66	East	0	15	250		Y	ug/kg	AB
25	10	Aroclors	LW2-G210	ug/kg	26-May-05	5.50		0	30	10	UA	N	ug/kg	AB
25	10	Aroclors	LW2-G231	ug/kg	08-Aug-00	5.77	West	0	20	12	A	Y	ug/kg	AB
25	10	Aroclors	LW2-G246	ug/kg	08-Aug-00	5.90	West	0	20	8	A	Y	ug/kg	AB
25	10	Aroclors	LW2-G251	ug/kg	12-Aug-04	6.00	West	0	29	8.9	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G270	ug/kg	21-Jul-04	6.20	West	0	29	4.5	UJT	N	ug/kg	AB
25	10	Aroclors	LW2-G294	ug/kg	21-Jul-04	6.40	West	0	29	62.5	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G324	ug/kg	22-Jul-04	6.80	West	0	26	14.3	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G336	ug/kg	22-Sep-97	6.98		0	10	2000	UA	N	ug/kg	AB
25	10	Aroclors	LW2-G345	ug/kg	22-Jul-04	7.10	West	0	28	17	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G351	ug/kg	28-Oct-04	7.20	West	0	28	171	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G353	ug/kg	23-Aug-04	7.30	West	0	27	76	UJT	N	ug/kg	AB
25	10	Aroclors	LW2-G355	ug/kg	12-Nov-02	7.30	West	0	15	2200		N	ug/kg	AB
25	10	Aroclors	LW2-G362	ug/kg	22-Oct-04	7.40	West	0	27	18	T	Y	ug/kg	AB
25	10	Aroclors	LW2-G372	ug/kg	24-Aug-04	8.10	East	0	30	95	T	Y	ug/kg	AB
25	10	Aroclors	LW2-G384	ug/kg	23-Aug-04	8.20	East	0	29	91	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G410	ug/kg	09-Sep-04	8.00	NavChan	0	30	21.1	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G425	ug/kg	05-Apr-98	8.93		0	10	112	A	Y	ug/kg	AB
25	10	Aroclors	LW2-G430	ug/kg	05-Apr-98	9.05		0	10	10	UA	N	ug/kg	AB
25	10	Aroclors	LW2-G433	ug/kg	09-Sep-04	8.80	East	0	27	34	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G450	ug/kg	25-Aug-04	8.80	West	0	28	98	T	Y	ug/kg	AB
25	10	Aroclors	LW2-G471	ug/kg	24-May-05	9.24		0	20	19.2	A	Y	ug/kg	AB
25	10	Aroclors	LW2-G475	ug/kg	01-Sep-04	9.40	NavChan	0	27	11.1	JT	Y	ug/kg	AB
25	10	Aroclors	LW2-G492	ug/kg	24-Aug-04	9.80	West	0	28	110	T	Y	ug/kg	AB
25	10	Aroclors	LW2-G519	ug/kg	16-Aug-04	4.10	East	0	29	62	T	Y	ug/kg	AB
25	10	Aroclors	LW2-GBT006-1	ug/kg	16-Dec-05	3.87	East	0	10	92.5		Y	ug/kg	
25	10	Aroclors	LW2-GBT018	ug/kg	25-May-05	7.22		0	30	75	UA	N	ug/kg	
25	10	Aroclors	LW2-GBT027-1	ug/kg	07-Dec-05	8.80	East	0	10	15		Y	ug/kg	
25	10	Aroclors	LW2-U4Q	ug/kg	27-Aug-01	18.80	unk	0	10	37	UA	N	ug/kg	AB

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Table C3-5. Total PCB Arcolor Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1	lab_qualifiers_loc1	detect_flag_loc1
25	10	Aroclors	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	6.8		Y
25	10	Aroclors	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	6.8		Y
25	10	Aroclors	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	15.8		Y
25	10	Aroclors	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	346		Y
25	10	Aroclors	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	346		Y
25	10	Aroclors	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	259		Y
25	10	Aroclors	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	30		Y
25	10	Aroclors	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	75		N
25	10	Aroclors	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	75		N
25	10	Aroclors	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	20		N
25	10	Aroclors	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	31		N
25	10	Aroclors	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	31		N
25	10	Aroclors	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	21		Y
25	10	Aroclors	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	07-Apr-98		8.50	0	10	144		Y
25	10	Aroclors	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	07-Apr-98		8.50	0	10	144		Y
25	10	Aroclors	WLCDRI03CREF01	WLCDRI03CREF01CREF01	WLLRSH01HC02	WLLRSH01HC02HC02	7646931	668170.6	7646915	668169	18-Sep-04		15.50	0	10	3.4	U	N
25	10	Aroclors	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	22-Aug-02		8.50	0	15	121	A	Y
25	10	Aroclors	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	22-Aug-02		8.53	0	15	6.8	UA	N
25	10	Aroclors	WLCOSJ00RB04	WLCOSJ00RB04SD0004	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	10	1770	A	Y
25	10	Aroclors	WLCOSJ00RB04	WLCOSJ00RB04SD0014	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	30	9300	A	Y
25	10	Aroclors	WLCOSJ00RB06	WLCOSJ00RB06SD0006	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	1160	A	Y
25	10	Aroclors	WLCOSJ00RB06	WLCOSJ00RB06SD0007	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	1020	A	Y

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Table C3-5. Total PCB Arcolor Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	Units_loc1	SampleDate_loc2	RiverZone_loc2	RiverMile_loc2	UpperDepth_loc2	LowerDepth_loc2	VALUE_loc2	lab_qualifiers_loc2	detect_flag_loc2	Units_loc2	qc_level
25	10	Aroclors	LWG0103R003SDS015C10	ug/kg	17-Oct-02	3.50	East	0	15	15.8		Y	ug/kg	
25	10	Aroclors	LWG0103R003SDS015C10	ug/kg	17-Oct-02	3.50	East	0	15	7.2		Y	ug/kg	
25	10	Aroclors	LWG0103R003SDS015C20	ug/kg	17-Oct-02	3.50	East	0	15	7.2		Y	ug/kg	
25	10	Aroclors	LWG0103R004SDS015C10	ug/kg	18-Oct-02	4.10	East	0	15	259		Y	ug/kg	
25	10	Aroclors	LWG0103R004SDS015C10	ug/kg	18-Oct-02	4.10	East	0	15	122		Y	ug/kg	
25	10	Aroclors	LWG0103R004SDS015C20	ug/kg	18-Oct-02	4.10	East	0	15	122		Y	ug/kg	
25	10	Aroclors	LWG0104R003SDS015C00	ug/kg	17-Mar-04	4.44		0	30.48	96		Y	ug/kg	
25	10	Aroclors	LWG0106R002SDS015C10	ug/kg	23-Oct-02	6.80	East	0	15	24		N	ug/kg	
25	10	Aroclors	LWG0106R002SDS015C10	ug/kg	23-Oct-02	6.80	East	0	15	20		N	ug/kg	
25	10	Aroclors	LWG0106R002SDS015C20	ug/kg	23-Oct-02	6.80	East	0	15	24		N	ug/kg	
25	10	Aroclors	LWG0109R001SDS015C10	ug/kg	24-Oct-02	9.00	East	0	15	145		Y	ug/kg	
25	10	Aroclors	LWG0109R001SDS015C10	ug/kg	24-Oct-02	9.00	East	0	15	21		Y	ug/kg	
25	10	Aroclors	LWG0109R001SDS015C20	ug/kg	24-Oct-02	9.00	East	0	15	145		Y	ug/kg	
25	10	Aroclors	PSYSEA98PSY08	ug/kg	22-Aug-02	8.50		0	15	121	A	Y	ug/kg	QA2Cat1
25	10	Aroclors	PSYSEA98PSY08	ug/kg	22-Aug-02	8.50		0	15	191.1	A	Y	ug/kg	QA2Cat1
25	10	Aroclors	WLCDRI03CREF01	ug/kg	27-Aug-01	15.50	unk	0	10	29	UA	N	ug/kg	QA2Cat1
25	10	Aroclors	WLCOFH02M103	ug/kg	22-Aug-02	8.50		0	15	191.1	A	Y	ug/kg	QA2Cat1
25	10	Aroclors	WLCOFH02M104	ug/kg	22-Aug-02	8.53		0	15	8.79	A	Y	ug/kg	QA2Cat1
25	10	Aroclors	WLCOSJ00RB04	ug/kg	10-Oct-00	2.17	East	0	30	1240	A	Y	ug/kg	QA1Cat1
25	10	Aroclors	WLCOSJ00RB04	ug/kg	10-Oct-00	2.17	East	0	30	1240	A	Y	ug/kg	QA1Cat1
25	10	Aroclors	WLCOSJ00RB06	ug/kg	10-Oct-00	2.17	East	0	30	1240	A	Y	ug/kg	QA1Cat1
25	10	Aroclors	WLCOSJ00RB06	ug/kg	10-Oct-00	2.17	East	0	30	1240	A	Y	ug/kg	QA1Cat1

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Polycyclic Aromatic Hydrocarbons	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	694
25	10	Polycyclic Aromatic Hydrocarbons	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	83.2
25	10	Polycyclic Aromatic Hydrocarbons	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	11900
25	10	Polycyclic Aromatic Hydrocarbons	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	57.1
25	10	Polycyclic Aromatic Hydrocarbons	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	40700
25	10	Polycyclic Aromatic Hydrocarbons	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	3010
25	10	Polycyclic Aromatic Hydrocarbons	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	282
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	831
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	1130
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	478
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	1200
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	159
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	25000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	1860
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	1650
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	260
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	260
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	3970
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	1890
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G193	LW2-G193	WLCMCB02SED03	WLCMCB02SED03SED03	7621861	709005.9	7621871	709009.1	13-Aug-04	East	5.57	0	26	6590
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	7770
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	2180
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	3490
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	10700
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	345000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	2880
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	3720
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	21800
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	230000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	4200
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	1260000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	41200
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	5570
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	618
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	852
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	2800
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	2000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	149000
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G356	LW2-G356	WLCDRD05PG072	WLCDRD05PG07272	7628148	702306.2	7628146	702282.1	26-Aug-04	West	7.37	0	29	833
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G360	LW2-G360	WLRELP99OSS006	WLRELP99OSS006SD0016	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	940
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G360	LW2-G360	WLRELP99OSS006	WLRELP99OSS006SD0017	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	940
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	597
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	430
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	2080
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	531
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	404
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G401	LW2-G401	WLCOFJ022206	WLCOFJ02220622060	7629037	700154.5	7629040	700176.6	22-Oct-04	West	7.74	0	27	4240
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	4240
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G404	LW2-G404	WLCOFJ022204	WLCOFJ02220422040	7629091	700095.8	7629090	700117.4	27-Aug-04	West	7.76	0	25	1240
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	147
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	251
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	1150
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G430	LW2-G430	WLCOFJ02S0203	WLCOFJ02S0203S2030	7636706	698453.4	7636711	698462.8	22-Oct-04	East	9.05	0	25	1150

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth _loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag _loc2	Units_loc2	qc_level
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	10-Oct-00	2.28	East	0	10	209	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	12-Dec-05	8.19	West	0	10	275		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	27-Jul-04	8.40	West	0	15	1690	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	29-Jul-04	9.40	West	0	15	131	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	21-Sep-97	6.10		0	10	4315	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	22-Oct-04	6.83	East	0	23	4140	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	05-Nov-04	2.00	West	0	29	235	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	20-Jul-04	2.10	East	0	27	397	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	19-Dec-05	2.28	East	0	10	2170		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	04-Aug-04	2.40	West	0	22	84.5	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	05-Aug-04	3.00	East	0	29	1050	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	02-Aug-04	3.70	East	0	28	233	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	24-Oct-02	3.93	East	0	15	67200		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	11-Aug-04	4.00	NavChan	0	27	3990	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	17-Sep-97	4.04		0	10	1401	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	08-Oct-99	4.17	West	0	10	10920	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	08-Oct-99	4.17	West	30	40	3550	UA	N	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	10-Aug-04	4.70	West	0	23	961	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	19-Sep-97	5.02		0	10	2483	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	08-Feb-02	5.57	East	0	15	4287	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	26-Aug-04	5.60	East	0	25	7740	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	19-Sep-97	5.61		0	10	4754	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	20-Jul-04	5.60	East	0	27	4730	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	23-Oct-02	5.66	East	0	15	15300		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	26-May-05	5.50		0	30	110000	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	08-Aug-00	5.77	West	0	20	1673	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	08-Aug-00	5.90	West	0	20	1589	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	12-Aug-04	6.00	West	0	29	21300	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	21-Jul-04	6.20	West	0	29	371000	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	31-Aug-04	6.60	East	0	26	6950	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	21-Jul-04	6.40	West	0	29	888000	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	20-Sep-97	6.50		0	10	124070	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	22-Jul-04	6.80	West	0	26	21900	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	22-Sep-97	6.98		0	10	683	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	22-Jul-04	7.10	West	0	28	1140	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	28-Oct-04	7.20	West	0	28	10400	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	23-Aug-04	7.30	West	0	27	1350	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	12-Nov-02	7.30	West	0	15	13600		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	25-May-05	7.37		0	28	1050	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	19-Jan-99	7.39	West	0	10	2253	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	19-Jan-99	7.39	West	10	30	2281	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	22-Oct-04	7.40	West	0	27	181	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	24-Aug-04	8.10	East	0	30	415	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	22-Sep-97	8.30		0	10	1854	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	22-Sep-97	8.50		0	10	1154	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	23-Aug-04	8.20	East	0	29	676	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	21-Oct-02	7.73		0	10	1580.4	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	23-Sep-97	7.74		0	10	1980	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	21-Oct-02	7.76		0	12	1886.1	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	09-Sep-04	8.00	NavChan	0	30	235	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	05-Apr-98	8.93		0	10	6663	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	05-Apr-98	9.05		0	10	4650	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	14-Oct-02	9.05		0	15	186.14	A	Y	ug/kg	

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	515
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	548
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G454	LW2-G454	WLCOFJ02S0505	WLCOFJ02S0505S5050	7636589	696741.7	7636602	696760.3	01-Sep-04	East	9.32	0	25	52.7
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	87.1
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	1450
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	442
25	10	Polycyclic Aromatic Hydrocarbons	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	966
25	10	Polycyclic Aromatic Hydrocarbons	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	402
25	10	Polycyclic Aromatic Hydrocarbons	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	3140
25	10	Polycyclic Aromatic Hydrocarbons	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	294
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	1310
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	1310
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	1650
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	1710
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	1710
25	10	Polycyclic Aromatic Hydrocarbons	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	1060
25	10	Polycyclic Aromatic Hydrocarbons	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	338000
25	10	Polycyclic Aromatic Hydrocarbons	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	11600
25	10	Polycyclic Aromatic Hydrocarbons	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	1760
25	10	Polycyclic Aromatic Hydrocarbons	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	1760
25	10	Polycyclic Aromatic Hydrocarbons	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	3490
25	10	Polycyclic Aromatic Hydrocarbons	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	9940
25	10	Polycyclic Aromatic Hydrocarbons	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	9940
25	10	Polycyclic Aromatic Hydrocarbons	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	2210
25	10	Polycyclic Aromatic Hydrocarbons	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	2250
25	10	Polycyclic Aromatic Hydrocarbons	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	241
25	10	Polycyclic Aromatic Hydrocarbons	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	01-Dec-05	West	6.23	0	26	1140000
25	10	Polycyclic Aromatic Hydrocarbons	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	01-Dec-05	West	4.18	0	20	129
25	10	Polycyclic Aromatic Hydrocarbons	W-09-A-PG	LWG2-PG-W9A	WLRWTP98TOSSD1	WLRWTF98TOSSD1TOSSD1	7628900	700250.1	7628882	700246.9	30-Nov-05	West	7.71	0	23	5.64
25	10	Polycyclic Aromatic Hydrocarbons	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	WLCOFJ02M0303	WLCOFJ02M0303M3030	7636982	698942.4	7636996	698944.6	05-Apr-98		8.93	0	10	6663
25	10	Polycyclic Aromatic Hydrocarbons	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	WLCOFJ02S0202	WLCOFJ02S0202S2020	7636721	698438.9	7636722	698418.5	05-Apr-98		9.05	0	10	4650
25	10	Polycyclic Aromatic Hydrocarbons	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	07-Apr-98		8.50	0	10	11600
25	10	Polycyclic Aromatic Hydrocarbons	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WR-WSI98SD136	WR-WSI98SD1360	7634600	700860.8	7634624	700864.1	07-Apr-98		8.50	0	10	11600
25	10	Polycyclic Aromatic Hydrocarbons	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	07-Apr-98		8.50	0	10	11600
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S001	WLCASF97S001W4159	WR-WSI98SD123	WR-WSI98SD1230	7630380	699597.6	7630398	699583.3	12-Jun-97		7.99	0	10	728
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S004	WLCASF97S004W4156	WR-WSI98SD117	WR-WSI98SD1170000CC	7629322	700277.3	7629340	700260	12-Jun-97		7.77	0	10	1699
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S005	WLCASF97S005W4155	WLCOFJ022201	WLCOFJ02220122010	7629019	700127.6	7629006	700110.5	12-Jun-97		7.74	0	10	9011
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S005	WLCASF97S005W4155	WR-WSI98SD114	WR-WSI98SD1140	7629019	700127.6	7629023	700135.1	12-Jun-97		7.74	0	10	9011
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S007	WLCASF97S007W4153	WR-WSI98SD112	WR-WSI98SD1120	7628882	700398.9	7628898	700405	12-Jun-97		7.69	0	10	499
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S010	WLCASF97S010W4171	WR-WSI98SD110	WR-WSI98SD1100	7629081	700976.9	7629093	700983.2	11-Jun-97		7.65	0	10	1426
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S011	WLCASF97S011W4170	WR-WSI98SD107	WR-WSI98SD1070	7628514	700852.9	7628533	700848.8	11-Jun-97		7.60	0	10	2753
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S012	WLCASF97S012W4168	WR-WSI98SD105	WR-WSI98SD1050	7628858	701244.6	7628878	701253.6	11-Jun-97		7.58	0	10	680
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S014	WLCASF97S014W4166	WR-WSI98SD097	WR-WSI98SD0970	7628275	702069.3	7628273	702078.9	11-Jun-97		7.40	0	10	477
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S019	WLCASF97S019W4148	WR-WSI98SD055	WR-WSI98SD0550	7621324	708002.1	7621338	708002.3	10-Jun-97		5.61	0	10	10800
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S022	WLCASF97S022W4145	WR-WSI98SD052	WR-WSI98SD0520	7620618	708860.9	7620641	708857.8	10-Jun-97		5.41	0	10	5343
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S023	WLCASF97S023W4144	WR-WSI98SD050	WR-WSI98SD0500	7620250	709278.6	7620271	709288.6	35591		5.30	0	10	3648
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S024	WLCASF97S024W4143	WR-WSI98SD050	WR-WSI98SD0500	7620276	709302.2	7620271	709288.6	35591		5.31	0	10	3855
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S028	WLCASF97S028W4139	WR-WSI98SD037	WR-WSI98SD0370	7618751	711539.8	7618742	711526.4	35591		4.81	0	10	1483
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S029	WLCASF97S029W4138	WR-WSI98SD028	WR-WSI98SD0280	7617913	713119.8	7617913	713137.5	35591		4.45	0	10	1194
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S045	WLCASF97S045W4161	WR-WSI98SD046	WR-WSI98SD0460	7619678	710048.6	7619697	710052.6	35592		5.11	0	10	3051
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S046	WLCASF97S046W4163	WR-WSI98SD048	WR-WSI98SD0480000CC	7619844	709891.9	7619851	709897.3	35592		5.19	0	10	2282
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S047	WLCASF97S047W4164	WLCDRD05PG036	WLCDRD05PG03636	7619906	709798.9	7619907	709796.5	35592		5.20	0	10	3356
25	10	Polycyclic Aromatic Hydrocarbons	WLCASF97S048	WLCASF97S048W4165	WR-WSI98SD079	WR-WSI98SD0790	7627346	704776	7627352	704781.4	35592		6.91	0	10	12819

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth _loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag _loc2	Units_loc2	qc_level
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	09-Sep-04	8.80	East	0	27	650	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	25-Aug-04	8.80	West	0	28	456	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	21-Oct-02	9.33		0	15	12	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	24-May-05	9.24		0	20	147	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	01-Sep-04	9.40	NavChan	0	27	220	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	JT	Y	ug/kg	24-Aug-04	9.80	West	0	28	582	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	T	Y	ug/kg	16-Aug-04	4.10	East	0	29	2780	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	16-Dec-05	3.87	East	0	10	442		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	25-May-05	7.22		0	30	1110	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	07-Dec-05	8.80	East	0	10	296		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	17-Oct-02	3.50	East	0	15	1650		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	17-Oct-02	3.50	East	0	15	863		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	17-Oct-02	3.50	East	0	15	863		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	18-Oct-02	4.10	East	0	15	818		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	18-Oct-02	4.10	East	0	15	1060		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	18-Oct-02	4.10	East	0	15	818		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	13-Oct-98	4.67	East	0	10	868000	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	17-Mar-04	4.44		0	30.48	55580	A	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	23-Oct-02	6.80	East	0	15	3790		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	23-Oct-02	6.80	East	0	15	3490		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	23-Oct-02	6.80	East	0	15	3790		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	24-Oct-02	9.00	East	0	15	2210		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	24-Oct-02	9.00	East	0	15	11400		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	24-Oct-02	9.00	East	0	15	11400		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	30-Nov-05	7.32	West	0	29	2950		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	08-Oct-04	7.47	West	0	26	488	T	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	01-Dec-05	6.22	West	0	26	2450000		Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	07-Oct-04	4.17	West	0	30	260	JT	Y	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	17-Dec-98	7.71	West	0	12.7	7	UA	N	ug/kg	
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	14-Oct-02	8.93		0	12	1077.8	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	14-Oct-02	9.08		0	15	111.28	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	22-Aug-02	8.50		0	15	1420	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	22-Sep-97	8.50		0	10	1154	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	22-Aug-02	8.50		0	15	2830	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	24-Sep-97	8.00		0	10	255	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.78		0	10	878		Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	21-Oct-02	7.76		0	10	384.6	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.74		0	10	1980	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.69		0	10	1351	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.65		0	10	972	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.60		0	10	1964	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	23-Sep-97	7.59		0	10	576	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	22-Sep-97	7.40		0	10	737	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons		Y	ug/kg	19-Sep-97	5.61		0	10	1962	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	19-Sep-97	5.41		0	10	4710	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35692	5.31		0	10	2536	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35692	5.31		0	10	2536	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35692	4.81		0	10	1501	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35690	4.45		0	10	1306	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35692	5.11		0	10	1245	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35692	5.19		0	10	2510		Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	38498	5.20		0	30	1770	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35694	6.91		0	10	1975	A	Y	ug/kg	QA2Cat1

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Polycyclic Aromatic Hydrocarbons	WLCDRD05PG068	WLCDRD05PG06868	WR-WSI98SD088	WR-WSI98SD0880	7627501	703015.5	7627489	703007.5	38497		7.19	0	30	2150
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	232580
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	232580
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_00-10	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	0	10	232580
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	399900
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	399900
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_10-20	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	10	20	399900
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_00-10	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	197550
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_10-20	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	197550
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0101	WLCGSD01AN0101_30-40	WLCGSD01AN0102	WLCGSD01AN0102_30-40	7624419	705408.9	7624437	705423.6	36991		6.39	30	40	197550
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	786000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	786000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_00-10	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	0	10	786000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	546000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	546000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_10-20	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	10	20	546000
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_10-20	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	292860
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_30-40	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	292860
25	10	Polycyclic Aromatic Hydrocarbons	WLCGSD01AN0202	WLCGSD01AN0202_30-40	WLCGSD01AN0203	WLCGSD01AN0203_00-10	7624065	705620.7	7624074	705634.4	36992		6.32	30	40	292860
25	10	Polycyclic Aromatic Hydrocarbons	WLCMBA01ED0130	WLCMBA01ED0130ED0130	WLCMBJ99D09943	WLCMBJ99D09943D09943	7657898	631453.4	7657898	631453.4	36899	unk	23.90	0	38	13.4
25	10	Polycyclic Aromatic Hydrocarbons	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	37490		8.50	0	15	2830
25	10	Polycyclic Aromatic Hydrocarbons	WLCOFH02M103	WLCOFH02M103M103	WR-WSI98SD136	WR-WSI98SD1360	7634607	700863	7634624	700864.1	37490		8.50	0	15	2830
25	10	Polycyclic Aromatic Hydrocarbons	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	37490		8.53	0	15	198
25	10	Polycyclic Aromatic Hydrocarbons	WLCOFH02M109	WLCOFH02M109M109	WR-WSI98SD136	WR-WSI98SD1360	7634616	700876.6	7634624	700864.1	37490		8.50	0	15	1420
25	10	Polycyclic Aromatic Hydrocarbons	WLCOFJ022205	WLCOFJ02220522050	WLRWTF98TOSSD3	WLRWTF98TOSSD3TOSSD3	7629070	700151.3	7629084	700168.3	37550		7.75	0	12	6395.7
25	10	Polycyclic Aromatic Hydrocarbons	WLCOSJ00RB04	WLCOSJ00RB04SD0004	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	36809	East	2.17	0	10	53093
25	10	Polycyclic Aromatic Hydrocarbons	WLCOSJ00RB04	WLCOSJ00RB04SD0014	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	36809	East	2.17	0	30	398
25	10	Polycyclic Aromatic Hydrocarbons	WLCOSJ00RB06	WLCOSJ00RB06SD0006	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	36809	East	2.17	0	10	20
25	10	Polycyclic Aromatic Hydrocarbons	WLCOSJ00RB06	WLCOSJ00RB06SD0007	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	36809	East	2.17	0	10	32
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4C04VC22	WLCT4C04VC22VC2201	WLCT4J98HCS32	WLCT4J98HCS32HCS32	7619717	713411.8	7619715	713397.6	38057		4.58	0	30.48	241.73
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4C04VC23	WLCT4C04VC23VC2301	WLCT4J98HCS22	WLCT4J98HCS22HCS22	7620016	713369.3	7620022	713361.8	38049		4.61	0	30.48	14338.1
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4C04VC28	WLCT4C04VC28VC2801	WLCT4J98HCS14	WLCT4J98HCS14HCS14	7620093	713098.4	7620101	713092.8	38050		4.67	0	30.48	3714
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4C04VC29	WLCT4C04VC29VC2901	WLCT4J98HCS06	WLCT4J98HCS06HCS06	7620352	713142.2	7620351	713137.8	38051		4.69	0	30.48	49857
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4J98HCS09	WLCT4J98HCS09HCS09	WR-WSI98SD032	WR-WSI98SD0320	7620394	713392.3	7620406	713381.3	36081	East	4.64	0	10	114910
25	10	Polycyclic Aromatic Hydrocarbons	WLCT4J98HCS40	WLCT4J98HCS40HCS40	WR-WSI98SD034	WR-WSI98SD0340	7619755	712539.5	7619757	712555.6	36083	East	4.75	0	10	17903

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Table C3-7. Total PAH Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth _loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag _loc2	Units_loc2	qc_level
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35695	7.19		0	10	3049	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		0	10	620000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		10	20	1609600	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		30	40	464300	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		30	40	464300	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		0	10	620000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		10	20	1609600	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		0	10	620000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		10	20	1609600	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36991	6.39		30	40	464300	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		0	10	1203900	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		10	20	445000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		30	40	290690	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		0	10	1203900	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		10	20	445000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		30	40	290690	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		10	20	445000	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		30	40	290690	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36992	6.32		0	10	1203900	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	UA	N	ug/kg	36452	23.90		0	15	10	UA	N	ug/kg	NACat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	37490	8.50		0	15	1420	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35695	8.50		0	10	1154	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	37490	8.53		0	15	517	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35695	8.50		0	10	1154	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36146	7.75	West	0	12.7	1837	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36809	2.17	East	0	30	78	A	Y	ug/kg	QA1Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36809	2.17	East	0	30	78	A	Y	ug/kg	QA1Cat1
25	10	Polycyclic Aromatic Hydrocarbons	UA	N	ug/kg	36809	2.17	East	0	30	78	A	Y	ug/kg	QA1Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36809	2.17	East	0	30	78	A	Y	ug/kg	QA1Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36082	4.58	East	0	10	14273	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36082	4.61	East	0	10	47610	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36082	4.67	East	0	10	66534	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	36081	4.69	East	0	10	80280	A	Y	ug/kg	QA2Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35691	4.66		0	10	734190	A	Y	ug/kg	QA1Cat1
25	10	Polycyclic Aromatic Hydrocarbons	A	Y	ug/kg	35691	4.75		0	10	9413	A	Y	ug/kg	QA1Cat1

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Table C3-8. Total BEHP Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Bis(2-ethylhexyl) phthalate	LW2-B004	LW2-B004	WLCOSJ00RB10	WLCOSJ00RB10SD0011	7617357	723878.4	7617349	723860.4	28-Jul-04	East	2.27	0	15	10
25	10	Bis(2-ethylhexyl) phthalate	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	7
25	10	Bis(2-ethylhexyl) phthalate	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	2600
25	10	Bis(2-ethylhexyl) phthalate	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	7
25	10	Bis(2-ethylhexyl) phthalate	LW2-C527	LW2-C527-A	WR-WSI98SD061	WR-WSI98SD0610	7623022	706136	7623008	706153.9	26-Oct-05	West	6.1	0	30	96
25	10	Bis(2-ethylhexyl) phthalate	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	50
25	10	Bis(2-ethylhexyl) phthalate	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	44
25	10	Bis(2-ethylhexyl) phthalate	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	52
25	10	Bis(2-ethylhexyl) phthalate	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	61
25	10	Bis(2-ethylhexyl) phthalate	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	13
25	10	Bis(2-ethylhexyl) phthalate	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	80.5
25	10	Bis(2-ethylhexyl) phthalate	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	67
25	10	Bis(2-ethylhexyl) phthalate	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	1500
25	10	Bis(2-ethylhexyl) phthalate	LW2-G115	LW2-G115-1	LW2-G115-2	LW2-G115-2	7617323	715238.1	7617324	715247.8	11-Aug-04	NavChan	4.03	0	28	100
25	10	Bis(2-ethylhexyl) phthalate	LW2-G121	LW2-G121	WR-WSI98SD017	WR-WSI98SD0170	7616985	715137.6	7616980	715123.5	03-Aug-04	West	4.03	0	30	90
25	10	Bis(2-ethylhexyl) phthalate	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_10	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	6.2
25	10	Bis(2-ethylhexyl) phthalate	LW2-G126	LW2-G126	WLCGXV99S2	WLCGXV99S2S2_30	7617166	714501.8	7617181	714511.9	07-Oct-04	West	4.17	0	30	6.2
25	10	Bis(2-ethylhexyl) phthalate	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	27
25	10	Bis(2-ethylhexyl) phthalate	LW2-G170	LW2-G170	WR-WSI98SD043	WR-WSI98SD0430	7619285	710585.5	7619267	710594.6	11-Aug-04	West	5.02	0	29	28
25	10	Bis(2-ethylhexyl) phthalate	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	100
25	10	Bis(2-ethylhexyl) phthalate	LW2-G202	LW2-G202	WR-WSI98SD053	WR-WSI98SD0530	7622034	708703.2	7622046	708695.7	07-Sep-04	East	5.60	0	26	91
25	10	Bis(2-ethylhexyl) phthalate	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	300
25	10	Bis(2-ethylhexyl) phthalate	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	830
25	10	Bis(2-ethylhexyl) phthalate	LW2-G210	LW2-G210	WLCDRD05PG042	WLCDRD05PG04242	7620898	708508.9	7620878	708514.4	21-Oct-04	West	5.50	0	24	160
25	10	Bis(2-ethylhexyl) phthalate	LW2-G231	LW2-G231	WLCMFH00SD03	WLCMFH00SD03SD03	7621728	707550.6	7621728	707568.3	07-Sep-04	West	5.77	0	20	49
25	10	Bis(2-ethylhexyl) phthalate	LW2-G246	LW2-G246	WLCMFH00SD06	WLCMFH00SD06SD06S	7622318	706932.9	7622340	706934.2	12-Aug-04	West	5.90	0	29	46
25	10	Bis(2-ethylhexyl) phthalate	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	96
25	10	Bis(2-ethylhexyl) phthalate	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	230
25	10	Bis(2-ethylhexyl) phthalate	LW2-G275	LW2-G275-1	LW2-G275-2	LW2-G275-2	7625941	705790.8	7625941	705787.8	31-Aug-04	East	6.60	0	20	34
25	10	Bis(2-ethylhexyl) phthalate	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	500
25	10	Bis(2-ethylhexyl) phthalate	LW2-G308	LW2-G308	WR-WSI98SD069	WR-WSI98SD0690	7624835	705157.8	7624857	705151.8	13-Sep-04	West	6.49	0	27	57
25	10	Bis(2-ethylhexyl) phthalate	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	22
25	10	Bis(2-ethylhexyl) phthalate	LW2-G336	LW2-G336	WR-WSI98SD081	WR-WSI98SD0810	7626719	703655.4	7626704	703665.6	14-Sep-04	West	6.98	0	26	73
25	10	Bis(2-ethylhexyl) phthalate	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	101
25	10	Bis(2-ethylhexyl) phthalate	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	480
25	10	Bis(2-ethylhexyl) phthalate	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	220
25	10	Bis(2-ethylhexyl) phthalate	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	330
25	10	Bis(2-ethylhexyl) phthalate	LW2-G356	LW2-G356	WLCDRD05PG072	WLCDRD05PG07272	7628148	702306.2	7628146	702282.1	26-Aug-04	West	7.37	0	29	150
25	10	Bis(2-ethylhexyl) phthalate	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0016	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	800
25	10	Bis(2-ethylhexyl) phthalate	LW2-G360	LW2-G360	WLRELF99OSS006	WLRELF99OSS006SD0017	7628228	702110.1	7628216	702125.6	28-Oct-04	West	7.39	0	29	800
25	10	Bis(2-ethylhexyl) phthalate	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	82
25	10	Bis(2-ethylhexyl) phthalate	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	190
25	10	Bis(2-ethylhexyl) phthalate	LW2-G382	LW2-G382	WR-WSI98SD134	WR-WSI98SD1340	7633572	701048.2	7633578	701047.9	08-Oct-04	East	8.30	0	29	2400
25	10	Bis(2-ethylhexyl) phthalate	LW2-G383	LW2-G383	WR-WSI98SD136	WR-WSI98SD1360	7634633	700848.3	7634624	700864.1	08-Oct-04	East	8.53	0	20	2000
25	10	Bis(2-ethylhexyl) phthalate	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	395
25	10	Bis(2-ethylhexyl) phthalate	LW2-G401	LW2-G401	WLCOFJ022206	WLCOFJ02220622060	7629037	700154.5	7629040	700176.6	22-Oct-04	West	7.74	0	27	290
25	10	Bis(2-ethylhexyl) phthalate	LW2-G401	LW2-G401	WR-WSI98SD114	WR-WSI98SD1140	7629037	700154.5	7629023	700135.1	22-Oct-04	West	7.74	0	27	290
25	10	Bis(2-ethylhexyl) phthalate	LW2-G404	LW2-G404	WLCOFJ022204	WLCOFJ02220422040	7629091	700095.8	7629090	700117.4	27-Aug-04	West	7.76	0	25	110
25	10	Bis(2-ethylhexyl) phthalate	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	110
25	10	Bis(2-ethylhexyl) phthalate	LW2-G425	LW2-G425	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	7636995	698955.6	7636982	698942.4	07-Oct-04	East	8.93	0	24	660
25	10	Bis(2-ethylhexyl) phthalate	LW2-G430	LW2-G430	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	7636706	698453.4	7636721	698438.9	22-Oct-04	East	9.05	0	25	62
25	10	Bis(2-ethylhexyl) phthalate	LW2-G430	LW2-G430	WLCOFJ02S0203	WLCOFJ02S0203S2030	7636706	698453.4	7636711	698462.8	22-Oct-04	East	9.05	0	25	62
25	10	Bis(2-ethylhexyl) phthalate	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	58

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Table C3-8. Total BEHP Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag loc2	Units_loc2	qc_level
25	10	Bis(2-ethylhexyl) phthalate	LW2-B004	J	N	ug/kg	10-Oct-00	2.28	East	0	10	200	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-B021	J	N	ug/kg	12-Dec-05	8.19	West	0	10	44		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-B022	D	Y	ug/kg	27-Jul-04	8.40	West	0	15	190		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-B025		N	ug/kg	29-Jul-04	9.40	West	0	15	9.5	J	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-C527	JD	N	ug/kg	21-Sep-97	6.10		0	10	140	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-C533	U	N	ug/kg	22-Oct-04	6.83	East	0	23	260	JD	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-D1		Y	ug/kg	05-Nov-04	2.00	West	0	29	32		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G007		N	ug/kg	20-Jul-04	2.10	East	0	27	89		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G019		Y	ug/kg	19-Dec-05	2.28	East	0	10	85		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G023		Y	ug/kg	04-Aug-04	2.40	West	0	22	13	J	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G044		Y	ug/kg	05-Aug-04	3.00	East	0	29	26		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G075		Y	ug/kg	02-Aug-04	3.70	East	0	28	56		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G092	D	Y	ug/kg	24-Oct-02	3.93	East	0	15	2200		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G115		Y	ug/kg	11-Aug-04	4.00	NavChan	0	27	47		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G121		Y	ug/kg	17-Sep-97	4.04		0	10	140	UJ	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G126	BJ	N	ug/kg	08-Oct-99	4.17	West	0	10	10000	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G126	BJ	N	ug/kg	08-Oct-99	4.17	West	30	40	21500	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G140		N	ug/kg	10-Aug-04	4.70	West	0	23	30		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G170	JD	N	ug/kg	19-Sep-97	5.02		0	10	160	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G197	D	Y	ug/kg	26-Aug-04	5.60	East	0	25	110	D	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G202		Y	ug/kg	19-Sep-97	5.61		0	10	120	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G203		Y	ug/kg	20-Jul-04	5.60	East	0	27	520	D	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G209	D	Y	ug/kg	23-Oct-02	5.66	East	0	15	340		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G210	U	N	ug/kg	26-May-05	5.50		0	30	150	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G231		N	ug/kg	08-Aug-00	5.77	West	0	20	300	J	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G246		N	ug/kg	08-Aug-00	5.90	West	0	20	90	J	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G251		Y	ug/kg	12-Aug-04	6.00	West	0	29	84	JD	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G270	JD	N	ug/kg	21-Jul-04	6.20	West	0	29	260	JD	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G275		Y	ug/kg	31-Aug-04	6.60	East	0	26	69		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G294	JD	N	ug/kg	21-Jul-04	6.40	West	0	29	290		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G308	JD	N	ug/kg	20-Sep-97	6.50		0	10	76		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G324		Y	ug/kg	22-Jul-04	6.80	West	0	26	40		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G336		Y	ug/kg	22-Sep-97	6.98		0	10	210		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G345		Y	ug/kg	22-Jul-04	7.10	West	0	28	130		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G351		Y	ug/kg	28-Oct-04	7.20	West	0	28	85		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G353		Y	ug/kg	23-Aug-04	7.30	West	0	27	200		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G355	JD	N	ug/kg	12-Nov-02	7.30	West	0	15	320		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G356	B	N	ug/kg	25-May-05	7.37		0	28	79	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G360	D	Y	ug/kg	19-Jan-99	7.39	West	0	10	1800		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G360	D	Y	ug/kg	19-Jan-99	7.39	West	10	30	4200		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G362		Y	ug/kg	22-Oct-04	7.40	West	0	27	120		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G372		Y	ug/kg	24-Aug-04	8.10	East	0	30	150		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G382	D	Y	ug/kg	22-Sep-97	8.30		0	10	1300		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G383	D	Y	ug/kg	22-Sep-97	8.50		0	10	2100		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G384		Y	ug/kg	23-Aug-04	8.20	East	0	29	550		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G401	D	Y	ug/kg	21-Oct-02	7.73		0	10	369	JB	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G401	D	Y	ug/kg	23-Sep-97	7.74		0	10	250		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G404		Y	ug/kg	21-Oct-02	7.76		0	12	279	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G410	B	N	ug/kg	09-Sep-04	8.00	NavChan	0	30	58	B	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G425	D	Y	ug/kg	05-Apr-98	8.93		0	10	33300		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G430		Y	ug/kg	05-Apr-98	9.05		0	10	913		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G430		Y	ug/kg	14-Oct-02	9.05		0	15	94		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G433	B	N	ug/kg	09-Sep-04	8.80	East	0	27	91	B	N	ug/kg	

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Table C3-8. Total BEHP Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Bis(2-ethylhexyl) phthalate	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	360
25	10	Bis(2-ethylhexyl) phthalate	LW2-G454	LW2-G454	WLCOFJ02S0505	WLCOFJ02S0505S5050	7636589	696741.7	7636602	696760.3	01-Sep-04	East	9.32	0	25	220
25	10	Bis(2-ethylhexyl) phthalate	LW2-G471	LW2-G471	WLCDRD05PG096	WLCDRD05PG09696	7635391	696001.2	7635402	696006.9	31-Aug-04	NavChan	9.24	0	28	37
25	10	Bis(2-ethylhexyl) phthalate	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	64
25	10	Bis(2-ethylhexyl) phthalate	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	155
25	10	Bis(2-ethylhexyl) phthalate	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	1200
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	51
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT018	LW2-GBT018	WLCDRD05PG070	WLCDRD05PG07070	7627672	702834.7	7627696	702837.3	16-Dec-05	West	7.22	0	10	50
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	95
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	97
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	97
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	60
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	7150
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	7150
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	9700
25	10	Bis(2-ethylhexyl) phthalate	LWG0104R002SDS015C00	LWG0104R002SDS015C00	WLCT4J98HCS02	WLCT4J98HCS02HCS02	7620423	713302.2	7620436	713323.7	16-Oct-02	East	4.66	0	15	600
25	10	Bis(2-ethylhexyl) phthalate	LWG0104R003SDS015C00	LWG0104R003SDS015C00	WLCT4C04VC16	WLCT4C04VC16VC1601	7620387	714464.8	7620384	714452.6	24-Oct-02	East	4.44	0	15	280
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	140
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	140
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	82
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	1000
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	1000
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	640
25	10	Bis(2-ethylhexyl) phthalate	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	150
25	10	Bis(2-ethylhexyl) phthalate	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	29
25	10	Bis(2-ethylhexyl) phthalate	GN-05-A-PG	LWG2-PG-GN5A	GN-05-A-PG-2	LWG2-PG-GN5A-2	7631921	697407.2	7631927	697408.9	02-Dec-05	West	8.51	0	27	97
25	10	Bis(2-ethylhexyl) phthalate	GS-04-A-PG	LWG2-PG-GS4A	GS-04-A-PG-2	LWG2-PG-GS4A-2	7623810	705709.9	7623803	705719	01-Dec-05	West	6.23	0	26	150
25	10	Bis(2-ethylhexyl) phthalate	KM-08-A-PG	LWG2-PG-KM8A	LW2-G126	LW2-G126	7617153	714483.6	7617166	714501.8	01-Dec-05	West	4.18	0	20	6.3
25	10	Bis(2-ethylhexyl) phthalate	W-09-A-PG	LWG2-PG-W9A	WLRWTF98TOSSD1	WLRWTF98TOSSD1TOSSD1	7628900	700250.1	7628882	700246.9	30-Nov-05	West	7.71	0	23	6.7
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY01	PSYSEA98PSY01PSY01S	WLCOFJ02M0303	WLCOFJ02M0303M3030	7636982	698942.4	7636996	698944.6	05-Apr-98		8.93	0	10	33300
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY03	PSYSEA98PSY03PSY03S	WLCOFJ02S0202	WLCOFJ02S0202S2020	7636721	698438.9	7636722	698418.5	05-Apr-98		9.05	0	10	913
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M109	WLCOFH02M109M109	7634600	700860.8	7634616	700876.6	07-Apr-98		8.50	0	10	7180
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WLCOFH02M103	WLCOFH02M103M103	7634600	700860.8	7634607	700863	07-Apr-98		8.50	0	10	7180
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08	PSYSEA98PSY08PSY08S	WR-WSI98SD136	WR-WSI98SD1360	7634600	700860.8	7634624	700864.1	07-Apr-98		8.50	0	10	7180
25	10	Bis(2-ethylhexyl) phthalate	WLCDRD05PG068	WLCDRD05PG06868	WR-WSI98SD088	WR-WSI98SD0880	7627501	703015.5	7627489	703007.5	25-May-05		7.19	0	30	110
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M103	WLCOFH02M103M103	WLCOFH02M109	WLCOFH02M109M109	7634607	700863	7634616	700876.6	22-Aug-02		8.50	0	15	32500
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M103	WLCOFH02M103M103	WR-WSI98SD136	WR-WSI98SD1360	7634607	700863	7634624	700864.1	22-Aug-02		8.50	0	15	32500
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M104	WLCOFH02M104M104	WLCOFH02M110	WLCOFH02M110M110	7634667	700802.6	7634673	700814.2	22-Aug-02		8.53	0	15	163
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M109	WLCOFH02M109M109	WR-WSI98SD136	WR-WSI98SD1360	7634616	700876.6	7634624	700864.1	22-Aug-02		8.50	0	15	994
25	10	Bis(2-ethylhexyl) phthalate	WLCOFJ022205	WLCOFJ02220522050	WLRWTF98TOSSD3	WLRWTF98TOSSD3TOSSD3	7629070	700151.3	7629084	700168.3	21-Oct-02		7.75	0	12	263
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB04	WLCOSJ00RB04SD0004	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	10	190
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB04	WLCOSJ00RB04SD0014	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617597	724339.9	7617579	724350.6	10-Oct-00	East	2.17	0	30	190
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB06	WLCOSJ00RB06SD0006	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	200
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB06	WLCOSJ00RB06SD0007	WLCOSJ00RB13	WLCOSJ00RB13SD0015	7617566	724363.6	7617579	724350.6	10-Oct-00	East	2.17	0	10	190
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC22	WLCT4C04VC22VC2201	WLCT4J98HCS32	WLCT4J98HCS32HCS32	7619717	713411.8	7619715	713397.6	11-Mar-04		4.58	0	30.48	22
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC23	WLCT4C04VC23VC2301	WLCT4J98HCS22	WLCT4J98HCS22HCS22	7620016	713369.3	7620022	713361.8	38049		4.61	0	30.48	68
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC28	WLCT4C04VC28VC2801	WLCT4J98HCS14	WLCT4J98HCS14HCS14	7620093	713098.4	7620101	713092.8	38050		4.67	0	30.48	20
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC29	WLCT4C04VC29VC2901	WLCT4J98HCS06	WLCT4J98HCS06HCS06	7620352	713142.2	7620351	713137.8	38051		4.69	0	30.48	70
25	10	Bis(2-ethylhexyl) phthalate	WLCT4J98HCS09	WLCT4J98HCS09HCS09	WR-WSI98SD032	WR-WSI98SD0320	7620394	713392.3	7620406	713381.3	36081	East	4.64	0	10	370
25	10	Bis(2-ethylhexyl) phthalate	WLCT4J98HCS40	WLCT4J98HCS40HCS40	WR-WSI98SD034	WR-WSI98SD0340	7619755	712539.5	7619757	712555.6	36083	East	4.75	0	10	350

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Table C3-8. Total BEHP Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag loc2	Units_loc2	qc_level
25	10	Bis(2-ethylhexyl) phthalate	LW2-G450	D	Y	ug/kg	25-Aug-04	8.80	West	0	28	320	D	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G454	D	Y	ug/kg	21-Oct-02	9.33		0	15	22.3	JB	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G471		Y	ug/kg	24-May-05	9.24		0	20	96	J	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G475		Y	ug/kg	01-Sep-04	9.40	NavChan	0	27	130		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G492		Y	ug/kg	24-Aug-04	9.80	West	0	28	170	D	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-G519	D	Y	ug/kg	16-Aug-04	4.10	East	0	29	460		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT006-1		N	ug/kg	16-Dec-05	3.87	East	0	10	109		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT018		N	ug/kg	25-May-05	7.22		0	30	550		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LW2-GBT027-1		N	ug/kg	07-Dec-05	8.80	East	0	10	242		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C10		N	ug/kg	17-Oct-02	3.50	East	0	15	60		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C10		N	ug/kg	17-Oct-02	3.50	East	0	15	38		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R003SDS015C20		N	ug/kg	17-Oct-02	3.50	East	0	15	38		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C10		Y	ug/kg	18-Oct-02	4.10	East	0	15	19000		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C10		Y	ug/kg	18-Oct-02	4.10	East	0	15	9700		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0103R004SDS015C20		Y	ug/kg	18-Oct-02	4.10	East	0	15	19000		N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0104R002SDS015C00		N	ug/kg	13-Oct-98	4.67	East	0	10	10000	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0104R003SDS015C00		Y	ug/kg	17-Mar-04	4.44		0	30.48	580		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C10		Y	ug/kg	23-Oct-02	6.80	East	0	15	85		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C10		Y	ug/kg	23-Oct-02	6.80	East	0	15	82		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0106R002SDS015C20		Y	ug/kg	23-Oct-02	6.80	East	0	15	85		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C10		Y	ug/kg	24-Oct-02	9.00	East	0	15	2550		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C10		Y	ug/kg	24-Oct-02	9.00	East	0	15	640		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	LWG0109R001SDS015C20		Y	ug/kg	24-Oct-02	9.00	East	0	15	2550		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	AP-04-C-PG		Y	ug/kg	30-Nov-05	7.32	West	0	29	130		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	CP-09-D-PG		N	ug/kg	08-Oct-04	7.47	West	0	26	140	D	Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	GN-05-A-PG		N	ug/kg	02-Dec-05	8.5	West	0	27	260		Y	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	GS-04-A-PG	JD	N	ug/kg	01-Dec-05	6.22	West	0	26	280	U	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	KM-08-A-PG	J	N	ug/kg	07-Oct-04	4.17	West	0	30	6.2	BJ	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	W-09-A-PG	J	N	ug/kg	17-Dec-98	7.71	West	0	12.7	2000	UG	N	ug/kg	
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY01		Y	ug/kg	14-Oct-02	8.93		0	12	1940		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY03		Y	ug/kg	14-Oct-02	9.08		0	15	66.7		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08		Y	ug/kg	22-Aug-02	8.50		0	15	994		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08		Y	ug/kg	22-Aug-02	8.50		0	15	32500	J	Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	PSYSEA98PSY08		Y	ug/kg	22-Sep-97	8.50		0	10	2100		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCDRD05PG068		Y	ug/kg	22-Sep-97	7.19		0	10	270		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M103	J	Y	ug/kg	22-Aug-02	8.50		0	15	994		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M103	J	Y	ug/kg	22-Sep-97	8.50		0	10	2100		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M104	J	Y	ug/kg	22-Aug-02	8.53		0	15	377		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOFH02M109		Y	ug/kg	22-Sep-97	8.50		0	10	2100		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOFJ022205	J	Y	ug/kg	17-Dec-98	7.75	West	0	12.7	4800	UG	N	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB04	U	N	ug/kg	10-Oct-00	2.17	East	0	30	190	U	N	ug/kg	QA1Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB04	U	N	ug/kg	10-Oct-00	2.17	East	0	30	190	U	N	ug/kg	QA1Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB06	U	N	ug/kg	10-Oct-00	2.17	East	0	30	190	U	N	ug/kg	QA1Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCOSJ00RB06	U	N	ug/kg	10-Oct-00	2.17	East	0	30	190	U	N	ug/kg	QA1Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC22	U	N	ug/kg	14-Oct-98	4.58	East	0	10	250	G	Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC23		Y	ug/kg	36082	4.61	East	0	10	310		Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC28	U	N	ug/kg	36082	4.67	East	0	10	51	G	Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4C04VC29		Y	ug/kg	36081	4.69	East	0	10	420	G	Y	ug/kg	QA2Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4J98HCS09	G	Y	ug/kg	35691	4.66		0	10	390	UJ	N	ug/kg	QA1Cat1
25	10	Bis(2-ethylhexyl) phthalate	WLCT4J98HCS40		Y	ug/kg	35691	4.75		0	10	110	UJ	N	ug/kg	QA1Cat1

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Table C3-6. Total DDx Concentrations for Collocated Surface Sediment Samples from the Study Area. See Table C3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	sys_sample_code1	sys_loc_code2	sys_sample_code2	X_loc1	Y_loc1	X_loc2	Y_loc2	SampleDate_loc1	RiverZone_loc1	RiverMile_loc1	UpperDepth_loc1	LowerDepth_loc1	VALUE_loc1
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B021	LW2-B021	LW2-GBT024	LW2-GBT024	7630849	699055.6	7630843	699059.9	29-Jul-04	West	8.16	0	15	1.21
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B022	LW2-B022-1	LW2-B022-2	LW2-B022-2	7631257	698140.1	7631257	698140.1	27-Jul-04	West	8.34	0	15	6.02
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B025	LW2-B025-1	LW2-B025-2	LW2-B025-2	7635830	695325.5	7635830	695325.5	29-Jul-04	West	9.38	0	15	0.695
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-C094	LW2-C094-A	LW2-G094	LW2-G094	7619640	717055	7619659	717050.1	20-Oct-05	East	3.89	0	30	76.2
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-C533	LW2-C533-A	LW2-G282	LW2-G282	7627332	705710	7627339	705703.3	19-Oct-05	East	6.82	0	30	9.54
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-D1	LW2-D1-1	LW2-D1-2	LW2-D1-2	7616177	725835.4	7616174	725831.2	05-Nov-04	West	2.03	0	28	5.8
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G007	LW2-G007-1	LW2-G007-2	LW2-G007-2	7617517	724528.6	7617520	724521.9	20-Jul-04	East	2.14	0	27	5.34
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G019	LW2-G019	LW2-GBT002	LW2-GBT002	7617323	723890.9	7617319	723887.4	20-Jul-04	East	2.27	0	20	6.68
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G023	LW2-G023-1	LW2-G023-2	LW2-G023-2	7615281	723624.2	7615257	723623.6	04-Aug-04	West	2.45	0	24	1.05
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G044	LW2-G044-1	LW2-G044-2	LW2-G044-2	7616776	720598.6	7616769	720598.2	05-Aug-04	East	3.00	0	27	6.09
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G075	LW2-G075-1	LW2-G075-2	LW2-G075-2	7617613	717410	7617605	717408.4	02-Aug-04	East	3.67	0	28	3.04
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G092	LW2-G092	LWG0103R005SDS015C00	LWG0103R005SDS015C00	7619870	717044.1	7619887	717037.6	28-Jul-04	East	3.93	0	27	18.6
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G140	LW2-G140-1	LW2-G140-2	LW2-G140-2	7618425	712200.1	7618424	712187.9	10-Aug-04	West	4.67	0	26	52.7
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G197	LW2-G197-1	LW2-G197-2	LW2-G197-2	7621936	708908.4	7621939	708891.9	25-Aug-04	East	5.59	0	25	9.08
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G203	LW2-G203-1	LW2-G203-2	LW2-G203-2	7622150	708703	7622139	708706.9	20-Jul-04	East	5.61	0	27	5.01
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G209	LW2-G209	LWG0105R003SDS015C00	LWG0105R003SDS015C00	7622282	708500.5	7622305	708502.1	07-Sep-04	East	5.66	0	14	10.8
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G251	LW2-G251-1	LW2-G251-2	LW2-G251-2	7622758	706574.6	7622759	706578.9	12-Aug-04	West	6.00	0	29	271
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G270	LW2-G270-1	LW2-G270-2	LW2-G270-2	7623679	705920.8	7623700	705913.6	21-Jul-04	West	6.21	0	29	38.9
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G294	LW2-G294-1	LW2-G294-2	LW2-G294-2	7624332	705489.8	7624342	705498.6	21-Jul-04	West	6.37	0	26	918
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G324	LW2-G324-1	LW2-G324-2	LW2-G324-2	7626167	704321.9	7626160	704328.8	22-Jul-04	West	6.80	0	25	47.9
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G345	LW2-G345-1	LW2-G345-2	LW2-G345-2	7627185	703214.5	7627197	703206.8	22-Jul-04	West	7.08	0	27	763
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G351	LW2-G351	LW2-G351-2	LW2-G351-2	7627731	702759.8	7627738	702751.1	22-Oct-04	West	7.23	0	28	460
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G353	LW2-G353-1	LW2-G353-2	LW2-G353-2	7627791	702594.6	7627789	702592.2	23-Aug-04	West	7.25	0	26	4560
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G355	LW2-G355	LWG0107R006SDS015C00	LWG0107R006SDS015C00	7627881	702469.3	7627867	702476.7	29-Oct-04	West	7.30	0	27	11500
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G362	LW2-G362-1	LW2-G362-2	LW2-G362-2	7628431	701981.6	7628427	701983	22-Oct-04	West	7.43	0	26	82.3
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G372	LW2-G372-1	LW2-G372-2	LW2-G372-2	7632673	701613.3	7632678	701610.8	24-Aug-04	East	8.12	0	29	5.58
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G384	LW2-G384-1	LW2-G384-2	LW2-G384-2	7632704	700805.2	7632710	700799.6	23-Aug-04	East	8.19	0	27	5.17
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G410	LW2-G410-1	LW2-G410-2	LW2-G410-2	7630421	699735.6	7630428	699740.9	09-Sep-04	NavChan	7.98	0	30	6.65
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G433	LW2-G433-1	LW2-G433-2	LW2-G433-2	7634376	698092.3	7634397	698102.1	09-Sep-04	East	8.84	0	26	2.68
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G450	LW2-G450-1	LW2-G450-2	LW2-G450-2	7633357	696909.9	7633356	696917.8	25-Aug-04	West	8.81	0	27	19.2
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G475	LW2-G475-1	LW2-G475-2	LW2-G475-2	7636090	695826.4	7636088	695821.6	01-Sep-04	NavChan	9.39	0	28	3.14
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G492	LW2-G492-1	LW2-G492-2	LW2-G492-2	7637614	694310	7637620	694323.2	24-Aug-04	West	9.76	0	27	3.36
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G519	LW2-G519-1	LW2-G519-2	LW2-G519-2	7618414	715494.8	7618412	715496.7	16-Aug-04	East	4.06	0	29	4.21
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT006-2	7619685	717233.8	7619685	717233.8	16-Dec-05	East	3.87	0	10	2.13
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-GBT027-1	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT027-2	7634389	698178.7	7634389	698178.7	06-Dec-05	East	8.80	0	10	4.65
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617365	718365.3	7617371	718356.9	17-Oct-02	East	3.47	0	15	5.09
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C10	LWG0103R003SDS015C10	LWG0103R003SDS015C20	LWG0103R003SDS015C20	7617365	718365.3	7617366	718357.5	17-Oct-02	East	3.47	0	15	5.09
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C20	LWG0103R003SDS015C20	LWG0103R003SDS015C30	LWG0103R003SDS015C31	7617366	718357.5	7617371	718356.9	17-Oct-02	East	3.50	0	15	1.77
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C20	LWG0103R004SDS015C20	7618586	715482.4	7618592	715486.3	18-Oct-02	East	4.13	0	15	7.4
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C10	LWG0103R004SDS015C11	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618586	715482.4	7618590	715487	18-Oct-02	East	4.13	0	15	7.4
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C20	LWG0103R004SDS015C20	LWG0103R004SDS015C30	LWG0103R004SDS015C30	7618592	715486.3	7618590	715487	18-Oct-02	East	4.10	0	15	6.5
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C20	LWG0106R002SDS015C20	7626988	705818.6	7626987	705820.4	23-Oct-02	East	6.74	0	15	8.9
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C10	LWG0106R002SDS015C10	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626988	705818.6	7626987	705817.6	23-Oct-02	East	6.74	0	15	8.9
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C20	LWG0106R002SDS015C20	LWG0106R002SDS015C30	LWG0106R002SDS015C31	7626987	705820.4	7626987	705817.6	23-Oct-02	East	6.80	0	15	3.8
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C20	LWG0109R001SDS015C20	7636499	698624.8	7636510	698622.7	24-Oct-02	East	8.99	0	15	4
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C10	LWG0109R001SDS015C10	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636499	698624.8	7636501	698627.2	24-Oct-02	East	8.99	0	15	4
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C20	LWG0109R001SDS015C20	LWG0109R001SDS015C30	LWG0109R001SDS015C31	7636510	698622.7	7636501	698627.2	24-Oct-02	East	9.00	0	15	9.2
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	AP-04-C-PG	LWG2-PG-AP4C	AP-04-C-PG-2	LWG2-PG-AP4C-2	7627970	702398.7	7627965	702398.6	30-Nov-05	West	7.32	0	29	2540
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	CP-09-D-PG	LWG2-PG-CP9D	LW2-G368	LW2-G368	7628528	701821.5	7628528	701800.2	30-Nov-05	West	7.47	0	30	55.5

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Table C3-6. Total DDx Concentrations for Collocated Surface Sediment Samples from the Study Area. See TableC3-10 for Column Header Definitions.

h_criteria	v_criteria	Analyte	sys_loc_code1	lab_qualifiers_loc 1	detect_flag _loc1	Units_loc1	SampleDate_loc 2	RiverZone _loc2	RiverMile _loc2	UpperDepth _loc2	LowerDepth_loc 2	VALUE_loc2	lab_qualifiers_loc 2	detect_flag _loc2	Units_loc2	qc_level
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B021		Y	ug/kg	12-Dec-05	8.19	West	0	10	5.83		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B022		Y	ug/kg	27-Jul-04	8.40	West	0	15	5.07		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-B025		Y	ug/kg	29-Jul-04	9.40	West	0	15	2.55		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-C094		Y	ug/kg	21-Oct-04	3.90	East	0	24	37.4		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-C533		Y	ug/kg	22-Oct-04	6.83	East	0	23	32.8		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-D1		Y	ug/kg	05-Nov-04	2.00	West	0	29	8.96		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G007		Y	ug/kg	20-Jul-04	2.10	East	0	27	5.67		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G019		Y	ug/kg	19-Dec-05	2.28	East	0	10	8.17		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G023		Y	ug/kg	04-Aug-04	2.40	West	0	22	0.478		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G044		Y	ug/kg	05-Aug-04	3.00	East	0	29	4.46		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G075		Y	ug/kg	02-Aug-04	3.70	East	0	28	2.98		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G092		Y	ug/kg	24-Oct-02	3.93	East	0	15	20		N	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G140		Y	ug/kg	10-Aug-04	4.70	West	0	23	3.53		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G197		Y	ug/kg	26-Aug-04	5.60	East	0	25	20.6		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G203		Y	ug/kg	20-Jul-04	5.60	East	0	27	5.77		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G209		Y	ug/kg	23-Oct-02	5.66	East	0	15	19		N	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G251		Y	ug/kg	12-Aug-04	6.00	West	0	29	46.5		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G270		Y	ug/kg	21-Jul-04	6.20	West	0	29	193		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G294		Y	ug/kg	21-Jul-04	6.40	West	0	29	262		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G324		Y	ug/kg	22-Jul-04	6.80	West	0	26	44.7		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G345		Y	ug/kg	22-Jul-04	7.10	West	0	28	530		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G351		Y	ug/kg	28-Oct-04	7.20	West	0	28	1310		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G353		Y	ug/kg	23-Aug-04	7.30	West	0	27	6320		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G355		Y	ug/kg	12-Nov-02	7.30	West	0	15	13000		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G362		Y	ug/kg	22-Oct-04	7.40	West	0	27	93		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G372		Y	ug/kg	24-Aug-04	8.10	East	0	30	4.03		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G384		Y	ug/kg	23-Aug-04	8.20	East	0	29	5.08		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G410		Y	ug/kg	09-Sep-04	8.00	NavChan	0	30	5.95		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G433		Y	ug/kg	09-Sep-04	8.80	East	0	27	3.53		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G450		Y	ug/kg	25-Aug-04	8.80	West	0	28	13.7		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G475		Y	ug/kg	01-Sep-04	9.40	NavChan	0	27	2.29		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G492		Y	ug/kg	24-Aug-04	9.80	West	0	28	2.21		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-G519		Y	ug/kg	16-Aug-04	4.10	East	0	29	6.79		Y	ug/kg	AB
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-GBT006-1		Y	ug/kg	16-Dec-05	3.87	East	0	10	3.45		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LW2-GBT027-1		Y	ug/kg	07-Dec-05	8.80	East	0	10	4.29		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C10		Y	ug/kg	17-Oct-02	3.50	East	0	15	4.63		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C10		Y	ug/kg	17-Oct-02	3.50	East	0	15	1.77		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R003SDS015C20		Y	ug/kg	17-Oct-02	3.50	East	0	15	4.63		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C10		N	ug/kg	18-Oct-02	4.10	East	0	15	6.5		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C10		N	ug/kg	18-Oct-02	4.10	East	0	15	4.7		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0103R004SDS015C20		N	ug/kg	18-Oct-02	4.10	East	0	15	4.7		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C10		N	ug/kg	23-Oct-02	6.80	East	0	15	3.8		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C10		N	ug/kg	23-Oct-02	6.80	East	0	15	5.8		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0106R002SDS015C20		N	ug/kg	23-Oct-02	6.80	East	0	15	5.8		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C10		N	ug/kg	24-Oct-02	9.00	East	0	15	9.2		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C10		N	ug/kg	24-Oct-02	9.00	East	0	15	11		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	LWG0109R001SDS015C20		N	ug/kg	24-Oct-02	9.00	East	0	15	11		N	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	AP-04-C-PG		Y	ug/kg	30-Nov-05	7.32	West	0	29	1490		Y	ug/kg	
25	10	Total of 2,4' and 4,4'-DDD, -DDE, -DDT	CP-09-D-PG		Y	ug/kg	08-Oct-04	7.47	West	0	26	36.1		Y	ug/kg	

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Table C3-9. Column Header Definitions for Tables C3-1 through C3-8.

Column name	Description
h_criteria	Horizontal Search Criteria (ft) - Only sample pairs less than this horizontal distance apart are shown
v_criteria	Vertical Search Criteria (ft) - Only sample pairs less than this vertical distance apart are shown
Analyte	Analyte name result of result pair
sys_loc_code1	sys_loc_code of the first sample in a pair
sys_sample_code1	sys_sample_code of the first sample in a pair
sys_loc_code2	sys_loc_code of the second sample in a pair
sys_sample_code2	sys_sample_code of the second sample in a pair
X_loc1	X location of first sample in pair
Y_loc1	Y location of first sample in pair
X_loc2	X location of second sample in pair
Y_loc2	Y location of second sample in pair
SampleDate_loc1	Sample Date of first sample in pair
RiverZone_loc1	RiverZone of first sample in pair
RiverMile_loc1	River Mile of first sample in pair
UpperDepth_loc1	Upper sample Depth of first sample in pair
LowerDepth_loc1	Lower sample Depth of first sampe in pair
VALUE_loc1	Result Value of first sample in pair
lab_qualifiers_loc1	lab_qualifiers of first sample in pair
detect_flag_loc1	detect flag of first sample in pair
Units_loc1	Result Units of first sample in pair
SampleDate_loc2	Sample Date of second sample in pair
RiverZone_loc2	RiverZone of second sample in pair
RiverMile_loc2	River Mile of second sample in pair
UpperDepth_loc2	Upper sample Depth of second sample in pair
LowerDepth_loc2	Lower sample Depth of second sampe in pair
VALUE_loc2	Result Value of second sample in pair
lab_qualifiers_loc2	lab_qualifiers of second sample in pair
detect_flag_loc2	detect flag of second sample in pair
Units_loc2	Result Units of second sample in pair
qc_level	