Tables

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Table 1-1. Modified Skinner List Chemicals.

Chemical	Group	Chemical	Group
Antimony	M	Di-n-butylphthalate	S
Arsenic	M	Di-n-octylphthalate	S
Barium	M	Fluoranthene	S
Beryllium	M	Fluorene	S
Cadmium	M	Hexachlorobenzene	S
Chromium	M	Hexachloroethane	S
Chromium, Hexavalent	M	Indeno(1,2,3-cd)pyrene	S
Cobalt	M	Naphthalene	S
Copper	M	Nitrobenzene	S
Cyanide	M	Pentachlorophenol	S
Lead	M	Phenol	S
Manganese	M	Pyrene	S
Mercury	M	Pyridine	S
Nickel	M	Sulfolane	S
Selenium	M	1,1,1-Trichloroethane	V
Silver	M	1,1-Dichloroethene	V
Vanadium	M	1,2-Dibromoethane (EDB)	V
Zinc	M	1,2-Dichlorobenzene	V
2,4,5-Trichlorophenol	S	1,2-Dichloroethane	V
2,4,6-Trichlorophenol	S	1,4-Dichlorobenzene	V
2,4-Dimethylphenol	S	1,4-Dioxane (p-Dioxane)	V
2,4-Dinitrotoluene	S	2-Butanone	V
2-Methylphenol (o-Cresol)	S	Acetone	V
3 & 4-Methylphenol	S	Benzene	V
3-Methylphenol (m-Cresol)	S	Carbon disulfide	V
4-Methylphenol (p-Cresol)	S	Carbon Tetrachloride	V
7,12-Dimethylbenz(a)anthracene	S	Chloroform	V
Acenaphthene	S	Ethylbenzene	V
Anthracene	S	Hexachlorobutadiene	V
Benzo(a)anthracene	S	m&p-Xylene	V
Benzo(a)pyrene	S	Methyl-tert-butyl ether	V
Benzo(b)fluoranthene	S	o-Xylene	V
bis(2-Ethylhexyl)phthalate	S	Styrene	V
Butylbenzylphthalate	S	Tetrachloroethene	V
Chlorobenzene	S	Toluene	V
Chrysene	S	Trichloroethene	V
Dibenz(a,h)anthracene	S	Vinyl Chloride	V

CAS No. = Chemical Abstract Service Registry Number.
Group: V = volatile organic compound, S = semi-volatile organic compound, M = metal/inorganic

Table 2-1. Identified areas of concern.

Tank Number	Tank Diameter	Stored Product
Tank 10	200 ft	Naphtha
Tank 20	200 ft	Naphtha
Tank 41	67 ft	process water
Tank 42	67 ft	process water
Tank 80	67 ft	mixed xylenes
Tank 100	119 ft	diesel range organic (C9+)
Tank 160	180 ft	blend stocks
Tank 170	173 ft	finished gasoline
Tank 220	200 ft	Cyclohexane
Tank 240	36 ft	benzene mix
Tank 330	100 ft	Cyclohexane
Tank 340	110 ft	Diesel
Tank 360	212 ft	Naphtha
Tank 401	35 ft	Paraxylene
Tank 403	35 ft	Paraxylene
Tank 540	20 ft*	Sulfolane
Tank 690	20 ft	Orthoxylene
Tank 700	20 ft	orthoxylene
Tank 710	150 ft	paraxylene
*Tank 540 is a 20 ft by 20 ft square area rather than a circular tank		

Table 4-1. Surface soil sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples
Site	SS	Metals	Antimony	54	54	259
Site	SS	Metals	Arsenic	259	259	259
Site	SS	Metals	Barium	259	259	259
Site	SS	Metals	Beryllium		252	259
Site	SS	Metals	Cadmium	196	196	259
Site	SS	Metals	Chromium		259	259
Site	SS	Metals	Chromium, hexavalent	193	193	259
Site	SS	Metals	Cobalt	259	259	259
Site	SS	Metals	Copper	254	259	259
Site	SS	Metals	Cyanide, Total	2	40	259
Site	SS	Metals	Lead	51	259	259
Site	SS	Metals	Manganese	259	259	259
Site	SS	Metals	Mercury	19	257	259
Site	SS	Metals	Nickel	50	259	259
Site	SS	Metals	Selenium	92	92	259
Site	SS	Metals	Silver	54	54	259
Site	SS	Metals	Vanadium	231	259	259
Site	SS	Metals	Zinc	2	259	259
Site	SS	SVOC	2,4,5-Trichlorophenol			259
Site	SS	SVOC	2,4,6-Trichlorophenol			259
Site	SS	SVOC	2,4-Dimethylphenol		16	259
Site	SS	SVOC	2,4-Dinitrotoluene	1	1	259
Site	SS	SVOC	2-Methylphenol		13	259
Site	SS	SVOC	3 & 4 Methylphenol		13	259
Site	SS	SVOC	7,12-Dimethylbenz(a)anthracene			259
Site	SS	SVOC	Acenaphthene		2	259
Site	SS	SVOC	Anthracene		1	259
Site	SS	SVOC	Benzo(a)anthracene	3	3	259
Site	SS	SVOC	Benzo(a)pyrene	6	6	259
Site	SS	SVOC	Benzo(a)pyrene	6	6	259
Site	SS	SVOC	Benzo(b)fluoranthene	8	8	259
Site	SS	SVOC	Bis(2-ethylhexyl) phthalate	22	34	259
Site	SS	SVOC	Butyl benzyl phthalate			259
Site	SS	SVOC	Chrysene		2	259
Site	SS	SVOC	Dibenz(a,h)anthracene			259
Site	SS	SVOC	Di-n-butyl phthalate		10	259
Site	SS	SVOC	Di-n-octyl phthalate			259
Site	SS	SVOC	Fluoranthene		3	259
Site	SS	SVOC	Fluorene		3	259

Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
ıg/Kg	2400	0010-14-SO-2		105	CW_SSL
ıg/Kg	54000	0020-02-SO-2	6000	1.3	Res_SSL
ıg/Kg	330000	0401-07-SO-2	110000	22329	CW_SSL
ıg/Kg	310	0020-05-SO-2	170	428	CW_SSL
ıg/Kg	4500	0360-18-SO-2		73	CW_SSL
ıg/Kg	150000	0010-01-SO-2	13000	464545454	CW_SS
ıg/Kg	9800	0080-11-SO-2	1200	1.3	CW_SSL
ıg/Kg	32000	0710-06-SO-2	22000	212	Res_SSL
ıg/Kg	340000	0710-06-SO-2	81000	21881	Res_SSL
ıg/Kg	6100	0020-04-SO-2		3144	Res_SSL
ıg/Kg	210000	0700-12-SO-2	8700	13503	Res
ıg/Kg	8300000	0340-05-SO-2	1100000	141852	Res_SSL
ıg/Kg	690	0020-13-SO-2	38	42	CW_SSL
ıg/Kg	230000	0010-14-SO-2	6600	10096	CW_SSL
ıg/Kg	4000	0710-01-SO-2	1300	404	Res_SSL
ıg/Kg	680	0340-05-SO-2	310	110	CW_SSL
ıg/Kg	230000	0540-13-SO-2	140000	77717	Res_SSL
ıg/Kg	610000	0020-14-SO-2	66000	290744	Res_SSL
ıg/Kg				15975	Res_SSL
ıg/Kg				64	Res_SSL
ıg/Kg	820	0401-08-SO-2		1403	Res_SSL
ıg/Kg	450	0360-11-SO-2		1.2	Res_SSL
ıg/Kg	300	0360-07-SO-2		2344	Res_SSL
ıg/Kg	430	0170-09-SO-2		2297	Res_SSL
ıg/Kg				0.10	Res_SSL
ıg/Kg	630	0540-06-SO-2		19973	Res_SSL
ıg/Kg	120	0540-06-SO-2		211312	Res_SSL
ıg/Kg	98	0540-06-SO-2		11	Res_SSL
ıg/Kg	180	0690-01-SO-2		2.4	Res_SSL
ıg/Kg	180	0710-09-SO-2		2.4	Res_SSL
ıg/Kg	270	0540-06-SO-2		41	Res_SSL
ıg/Kg	7200	0690-01-SO-2		68	Res_SSL
ıg/Kg				938	Res_SSL
ıg/Kg	300	0540-06-SO-2		1017	Res_SSL
ıg/Kg				5.0	Res_SSL
ıg/Kg	320	0540-03-SO-2		7408	Res_SSL
ıg/Kg				430670	Res_SSL
ıg/Kg	710	0540-06-SO-2		45110	Res_SSL
ıg/Kg	5700	0540-06-SO-2		19824	Res_SSL

Table 4-1 (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples
Site	SS	SVOC	Hexachlorobenzene			259
Site	SS	SVOC	Hexachloroethane			259
Site	SS	SVOC	Indeno(1,2,3-cd)pyrene	4	5	259
Site	SS	SVOC	Naphthalene	7	17	259
Site	SS	SVOC	Nitrobenzene			259
Site	SS	SVOC	Pentachlorophenol			259
Site	SS	SVOC	Phenol		20	259
Site	SS	SVOC	Pyrene		3	259
Site	SS	SVOC	Pyridine			259
Site	SS	SVOC	Sulfolane	36	36	259
Site	SS	VOC	1,1,1-Trichloroethane			259
Site	SS	VOC	1,1-Dichloroethene			259
Site	SS	VOC	1,2-Dichlorobenzene			259
Site	SS	VOC	1,2-Dichloroethane			259
Site	SS	VOC	1,4-Dichlorobenzene			259
Site	SS	VOC	1,4-Dioxane			259
Site	SS	VOC	2-Butanone (MEK)		33	259
Site	SS	VOC	Acetone	7	93	259
Site	SS	VOC	Benzene	79	79	259
Site	SS	VOC	Carbon disulfide		8	259
Site	SS	VOC	Carbon tetrachloride			259
Site	SS	VOC	Chlorobenzene			259
Site	SS	VOC	Chloroform			259
Site	SS	VOC	Ethylbenzene	54	67	259
Site	SS	VOC	Ethylene Dibromide			259
Site	SS	VOC	Hexachlorobutadiene			259
Site	SS	VOC	Methyl tert-butyl ether	6	19	259
Site	SS	VOC	m-Xylene & p-Xylene	47	129	259
Site	SS	VOC	o-Xylene	29	70	259
Site	SS	VOC	Styrene	2	15	259
Site	SS	VOC	Tetrachloroethene			259
Site	SS	VOC	Toluene	17	64	259
Site	SS	VOC	Trichloroethene			259
Site	SS	VOC	Vinyl chloride			259

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

Upper = Shallow groundwater; Lower = deep groundwater

SD = channel sediment

SB = subsurface soil

SS/SB = combined surface sol and subsurface soil

SS = surface soil

SW = channel surface water

Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
g/Kg				0.25	Res_SSL
g/Kg				4.9	Res_SSL
g/Kg	100	0540-06-SO-2		40	Res_SSL
g/Kg	4200	0170-06-SO-2		734	IW_SS
g/Kg				72	Res_SSL
g/Kg				1.6	Res_SSL
g/Kg	1400	0170-06-SO-2		9262	Res_SSL
g/Kg	590	0540-06-SO-2		47443	Res_SSL
g/Kg				14	Res_SSL
g/Kg	17000000	0540-06-SO-2		3.2	Res_SSL
g/Kg				5258	Res_SSL
g/Kg				160	Res_SSL
g/Kg				1124	Res_SSL
g/Kg				0.09	Res_SSL
g/Kg				1.7	Res_SSL
g/Kg				0.07	Res_SSL
g/Kg	29	0540-07-SO-2		1206	Res_SSL
g/Kg	41000	0042-04-SO-2		2576	Res_SSL
g/Kg	12000	0170-06-SO-2		0.66	Res_SSL
g/Kg	43	0540-08-SO-2		336	Res_SSL
g/Kg				0.29	Res_SSL
g/Kg				184	Res_SSL
g/Kg				0.10	Res_SSL
g/Kg	710000	0080-13-SO-2		6.1	Res_SSL
g/Kg				0.004	Res_SSL
g/Kg				1.0	Res_SSL
g/Kg	220	0041-04-SO-2		3.9	Res_SSL
g/Kg	5700000	0080-13-SO-2		765	Res_SSL
g/Kg	790000	0170-03-SO-2		765	Res_SSL
g/Kg	24000	0170-03-SO-2		4970	Res_SSL
g/Kg				12	Res_SSL
g/Kg	57000	0170-03-SO-2		2195	Res_SSL
g/Kg				1.6	Res_SSL
g/Kg				0.04	Res_SSL

Table 4-2. Subsurface soil sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Numb of Samp
Site	SB	Metals	Antimony	47	47	
Site	SB	Metals	Arsenic	259	259	
Site	SB	Metals	Barium	252	259	
Site	SB	Metals	Beryllium		246	
Site	SB	Metals	Cadmium	194	194	
Site	SB	Metals	Chromium		259	
Site	SB	Metals	Chromium, hexavalent	201	201	
Site	SB	Metals	Cobalt	259	259	
Site	SB	Metals	Copper	251	259	
Site	SB	Metals	Cyanide, Total	2	37	
Site	SB	Metals	Lead	18	259	
Site	SB	Metals	Manganese	259	259	
Site	SB	Metals	Mercury	7	242	
Site	SB	Metals	Nickel	14	259	
Site	SB	Metals	Selenium	98	98	
Site	SB	Metals	Silver	39	39	
Site	SB	Metals	Vanadium	235	259	
Site	SB	Metals	Zinc		259	
Site	SB	SVOC	2,4,5-Trichlorophenol			
Site	SB	SVOC	2,4,6-Trichlorophenol			
Site	SB	SVOC	2,4-Dimethylphenol		26	
Site	SB	SVOC	2,4-Dinitrotoluene	2	2	
Site	SB	SVOC	2-Methylphenol		13	
Site	SB	SVOC	3 & 4 Methylphenol		17	
Site	SB	SVOC	7,12-Dimethylbenz(a)anthracene	1	1	
Site	SB	SVOC	Acenaphthene		5	
Site	SB	SVOC	Anthracene		3	
Site	SB	SVOC	Benzo(a)anthracene	3	3	
Site	SB	SVOC	Benzo(a)pyrene	3	3	
Site	SB	SVOC	Benzo(b)fluoranthene	6	6	
Site	SB	SVOC	Bis(2-ethylhexyl) phthalate	28	40	
Site	SB	SVOC	Butyl benzyl phthalate			
Site	SB	SVOC	Chrysene		6	
Site	SB	SVOC	Dibenz(a,h)anthracene			
Site	SB	SVOC	Di-n-butyl phthalate		6	
Site	SB	SVOC	Di-n-octyl phthalate		1	
Site	SB	SVOC	Fluoranthene		6	
Site	SB	SVOC	Fluorene		12	
Site	SB	SVOC	Hexachlorobenzene			

	Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
)	ug/Kg	1900	0010-14-SO-5		105	CW_SSL
)	ug/Kg	44000	0710-06-SO-3	6000	1.3	Res_SSL
)	ug/Kg	200000	0220-09-SO-4	110000	22329	CW_SSL
)	ug/Kg	250	0042-04-SO-10	170	428	CW_SSL
)	ug/Kg	580	0100-02-SO-6		73	CW_SSL
)	ug/Kg	88000	0710-06-SO-3	13000	464545454	CW_SS
)	ug/Kg	7900	0080-14-SO-12	1200	1.3	CW_SSL
)	ug/Kg	58000	0710-06-SO-3	22000	212	Res_SSL
)	ug/Kg	710000	0710-06-SO-3	81000	21881	Res_SSL
)	ug/Kg	6400	0020-03-SO-5		3144	Res_SSL
)	ug/Kg	46000	0403-13-SO-6	8700	13503	Res
)	ug/Kg	3800000	0100-02-SO-6	1100000	141852	Res_SSL
)	ug/Kg	250	0010-14-SO-5	38	42	CW_SSL
)	ug/Kg	580000	0403-13-SO-6	6600	10096	CW_SSL
)	ug/Kg	4000	0700-14-SO-11	1300	404	Res_SSL
)	ug/Kg	810	0710-06-SO-3	310	110	CW_SSL
)	ug/Kg	260000	0710-06-SO-3	140000	77717	Res_SSL
)	ug/Kg	190000	0010-07-SO-6	66000	290744	Res_SSL
)	ug/Kg				15975	Res_SSL
)	ug/Kg				64	Res_SSL
)	ug/Kg	630	0401-02-SO-6		1403	Res_SSL
)	ug/Kg	450	0401-08-SO-6		1.2	Res_SSL
)	ug/Kg	730	0170-04-SO-6		2344	Res_SSL
)	ug/Kg	940	0170-04-SO-6		2297	Res_SSL
)	ug/Kg	63	0080-06-SO-6		0.10	Res_SSL
)	ug/Kg	180	0170-04-SO-6		19973	Res_SSL
)	ug/Kg	170	0700-13-SO-12		211312	Res_SSL
)	ug/Kg	610	0170-04-SO-6		11	Res_SSL
)	ug/Kg	400	0170-04-SO-6		2.4	Res_SSL
)	ug/Kg	390	0170-04-SO-6		41	Res_SSL
)	ug/Kg	13000	0170-04-SO-6		68	Res_SSL
)	ug/Kg				938	Res_SSL
)	ug/Kg	560	0700-13-SO-12		1017	Res_SSL
)	ug/Kg				5.0	Res_SSL
)	ug/Kg	250	0170-09-SO-6		7408	Res_SSL
)	ug/Kg	62	0160-15-SO-6		430670	Res_SSL
)	ug/Kg	990	0170-04-SO-6		45110	Res_SSL
)	ug/Kg	1300	0360-08-SO-6		19824	Res_SSL
)	ug/Kg				0.25	Res_SSL

Table 4-2. (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Numbe of Sample
Site	SB	SVOC	Hexachloroethane			2
Site	SB	SVOC	Indeno(1,2,3-cd)pyrene	4	4	2
Site	SB	SVOC	Naphthalene	6	19	2
Site	SB	SVOC	Nitrobenzene	1	1	2
Site	SB	SVOC	Pentachlorophenol			2
Site	SB	SVOC	Phenol		40	2
Site	SB	SVOC	Pyrene		9	2
Site	SB	SVOC	Pyridine			2
Site	SB	SVOC	Sulfolane	40	40	2
Site	SB	VOC	1,1,1-Trichloroethane			2
Site	SB	VOC	1,1-Dichloroethene			2
Site	SB	VOC	1,2-Dichlorobenzene			2
Site	SB	VOC	1,2-Dichloroethane	2	2	2
Site	SB	VOC	1,4-Dichlorobenzene			2
Site	SB	VOC	1,4-Dioxane			2
Site	SB	VOC	2-Butanone (MEK)		52	2
Site	SB	VOC	Acetone	8	130	2
Site	SB	VOC	Benzene	111	111	2
Site	SB	VOC	Carbon disulfide		32	2
Site	SB	VOC	Carbon tetrachloride			2
Site	SB	VOC	Chlorobenzene		1	2
Site	SB	VOC	Chloroform			2
Site	SB	VOC	Ethylbenzene	95	132	2
Site	SB	VOC	Ethylene Dibromide			2
Site	SB	VOC	Hexachlorobutadiene			2
Site	SB	VOC	Methyl tert-butyl ether	7	18	2
Site	SB	VOC	m-Xylene & p-Xylene	67	169	2
Site	SB	VOC	o-Xylene	32	117	2
Site	SB	VOC	Styrene	2	19	2
Site	SB	VOC	Tetrachloroethene			2
Site	SB	VOC	Toluene	15	70	2
Site	SB	VOC	Trichloroethene			2
Site	SB	VOC	Vinyl chloride			2

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

MW = Shallow groundwater; MWD = deep groundwater; MW/MWD = combined shallow and deep groundwater

SD = channel sediment

SW = chai

SS = surfa

	Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
9	ug/Kg				4.9	Res_SSL
9	ug/Kg	180	0170-04-SO-6		40	Res_SSL
9	ug/Kg	7400	0170-09-SO-6		734	IW_SS
9	ug/Kg	1500	0170-07-SO-6		72	Res_SSL
9	ug/Kg				1.6	Res_SSL
9	ug/Kg	1100	0360-06-SO-7		9262	Res_SSL
9	ug/Kg	770	0170-04-SO-6		47443	Res_SSL
9	ug/Kg				14	Res_SSL
9	ug/Kg	370000	0540-09-SO-11		3.2	Res_SSL
9	ug/Kg				5258	Res_SSL
9	ug/Kg				160	Res_SSL
9	ug/Kg				1124	Res_SSL
9	ug/Kg	83	0042-07-SO-6		0.09	Res_SSL
9	ug/Kg				1.7	Res_SSL
9	ug/Kg				0.07	Res_SSL
9	ug/Kg	180	0042-06-SO-10		1206	Res_SSL
9	ug/Kg	47000	0042-03-SO-6		2576	Res_SSL
9	ug/Kg	170000	0360-06-SO-7		0.66	Res_SSL
9	ug/Kg	52	0540-09-SO-11		336	Res_SSL
9	ug/Kg				0.29	Res_SSL
9	ug/Kg	140	0360-12-SO-4		184	Res_SSL
9	ug/Kg				0.10	Res_SSL
9	ug/Kg	470000	0403-12-SO-6		6.1	Res_SSL
9	ug/Kg				0.004	Res_SSL
9	ug/Kg				1.0	Res_SSL
9	ug/Kg	260	0170-13-SO-10		3.9	Res_SSL
9	ug/Kg	3700000	0401-05-SO-6		765	Res_SSL
9	ug/Kg	270000	0700-02-SO-6		765	Res_SSL
9	ug/Kg	15000	0700-03-SO-10		4970	Res_SSL
9	ug/Kg				12	Res_SSL
9	ug/Kg	260000	0540-13-SO-16		2195	Res_SSL
9	ug/Kg				1.6	Res_SSL
9	ug/Kg				0.04	Res_SSL

el surface water

soil; SB = subsurface soil; SS/SB = combined surface sol and subsurface soil

Table 4-3. Background comparison, AOC surface soil samples.

	Statistical Distribution and Comparison to I AOC Surface Soil Samples						
	Statistical Distribution Testing Results						
	Background				AOC S		
Constituent	Total Samples	Total Detects	Maximum Detected (µg/Kg)	Distribution Recommended by ProUCL	Total Samples	Tota l Dete cts	Maximu Detecte (µg/Kg
Antimony	10	0	0	NA	259	55	2400
Arsenic	10	10	6000	Use 95% Student's-t UCL	259	259	54000
Barium	10	10	110000	Use 95% Student's-t UCL	259	259	33000(
Beryllium	10	10	170	Use 95% Student's-t UCL	259	252	310
Cadmium	10	0	0	NA	259	196	4500
Chromium	10	10	13000	Use 95% Student's-t UCL	259	259	15000(
Chromium, hexavalent	10	10	1200	Use 95% Approximate Gamma UCL	259	187	9800
Cobalt	10	10	22000	Use 95% Student's-t UCL	259	259	32000
Copper	10	10	81000	Use 95% Student's-t UCL	259	259	34000(
Lead	10	10	8700	Use 95% Student's-t UCL	259	259	21000(
Manganese	10	10	1100000	Use 95% Approximate Gamma UCL	259	259	830000
Mercury	10	10	38	Use 95% Student's-t UCL	259	256	690
Nickel	10	10	6600	Use 95% Student's-t UCL	259	259	23000(
Selenium	10	10	1300	Use 95% Student's-t UCL	259	92	4000
Silver	10	10	310	Use 95% Student's-t UCL	259	54	680
Vanadium	10	10	140000	Use 95% Student's-t UCL	259	259	23000(
Zinc	10	10	66000	Use 95% Student's-t UCL	259	259	61000(

Shaded metals signify site concentrations statistically greater than the background concentrations.
The ProUCL two-sample comparison output is provided in Appendix B.

ıckground

	Wilcoxon-Mann-Whitney Test	
rface Soil Samples		
Distribution Recommended by ProUCL	p-value	Statistical Conclusion (p => 0.05)
95% KM (t) UCL	0.501	Conclude Site <= Background
Use 95% Student's-t UCL	0.302	Conclude Site <= Background
Use 95% Student's-t UCL	0.294	Conclude Site <= Background
95% KM (BCA) UCL	0.501	Conclude Site <= Background
95% KM (BCA) UCL	2.96E-05	Conclude Site > Background
Use 95% Chebyshev (Mean, Sd) UCL	0.0102	Conclude Site > Background
95% KM (Chebyshev) UCL	0.12	Conclude Site <= Background
Use 95% Student's-t UCL	0.397	Conclude Site <= Background
Use 95% Student's-t UCL	0.00814	Conclude Site > Background
Use 95% Chebyshev (Mean, Sd) UCL	0.779	Conclude Site <= Background
Use 95% Student's-t UCL	0.749	Conclude Site <= Background
95% KM (BCA) UCL	0.99	Conclude Site <= Background
Use 95% Chebyshev (Mean, Sd) UCL	5.28E-06	Conclude Site > Background
95% KM (t) UCL	0.501	Conclude Site <= Background
95% KM (t) UCL	1	Conclude Site <= Background
Use 95% Student's-t UCL	0.924	Conclude Site <= Background
Use 95% Student's-t UCL	8.75E-04	Conclude Site > Background

Table 4-4. Background comparison, AOC subsurface soil samples.

	Statistical Distribution and Comparison to E AOC Subsurface Soil Samples						
	Statistical Distribution Testing Results						
	Background				AOC S		
Constituent	Total Samples	Total Detects	Maximum Detected (µg/Kg)	Distribution Recommended by ProUCL	Total Samples	Total Detects	Maxi Dete (µg/
Antimony	10	0	0	NA	259	47	19(
Arsenic	10	10	6000	Use 95% Student's-t UCL	259	259	440
Barium	10	10	110000	Use 95% Student's-t UCL	259	259	200(
Beryllium	10	10	170	Use 95% Student's-t UCL	259	246	25
Cadmium	10	0	0	NA	259	194	58
Chromium	10	10	13000	Use 95% Student's-t UCL	259	259	880
Chromium, hexavalent	10	10	1200	Use 95% Approximate Gamma UCL	259	200	79(
Cobalt	10	10	22000	Use 95% Student's-t UCL	259	259	580
Copper	10	10	81000	Use 95% Student's-t UCL	259	259	710(
Lead	10	10	8700	Use 95% Student's-t UCL	259	259	460
Manganese	10	10	1100000	Use 95% Approximate Gamma UCL	259	259	3800
Mercury	10	10	38	Use 95% Student's-t UCL	259	242	25
Nickel	10	10	6600	Use 95% Student's-t UCL	259	259	580(
Selenium	10	10	1300	Use 95% Student's-t UCL	259	98	40(
Silver	10	10	310	Use 95% Student's-t UCL	259	39	81
Vanadium	10	10	140000	Use 95% Student's-t UCL	259	259	260(
Zinc	10	10	66000	Use 95% Student's-t UCL	259	259	190(

Shaded metals signify site concentrations statistically greater than the background concentrations.
The ProUCL two-sample comparison output is provided in Appendix B.

ckground			
		Wilcoxon-Mann-Whitney Test	
bsurface Soil Samples			
ım ɜd ;)	Distribution Recommended by ProUCL	p-value	Statistical Conclusion (p => 0.05)
	95% KM (t) UCL	0.501	Conclude Site <= Background
)	Use 95% Student's-t UCL	0.658	Conclude Site <= Background
0	Use 95% Student's-t UCL	0.684	Conclude Site <= Background
	95% KM (BCA) UCL	0.501	Conclude Site <= Background
	95% KM (BCA) UCL	4.57E-05	Conclude Site > Background
)	Use 95% Student's-t UCL	0.0411	Conclude Site > Background
	95% KM (BCA) UCL	0.501	Conclude Site <= Background
)	Use 95% Student's-t UCL	0.462	Conclude Site <= Background
0	Use 95% Student's-t UCL	0.039	Conclude Site > Background
)	Use 95% Chebyshev (Mean, Sd) UCL	1	Conclude Site <= Background
)0	Use 95% Student's-t UCL	0.924	Conclude Site <= Background
	95% KM (BCA) UCL	1	Conclude Site <= Background
0	Use 95% Chebyshev (Mean, Sd) UCL	5.49E-03	Conclude Site > Background
	95% KM (t) UCL	1	Conclude Site <= Background
	95% KM (t) UCL	1	Conclude Site <= Background
0	Use 95% Student's-t UCL	0.807	Conclude Site <= Background
0	Use 95% Student's-t UCL	9.15E-02	Conclude Site <= Background

Table 4-5. Background comparison, AOC combined soil samples.

	Statistical Distribution and Comparison to AOC Combined Soil Samples						
	Statistical Distribution Testing Results						
	Background				AO		
Constituent	Total Samples	Total Detects	Maximum Detected (µg/Kg)	Distribution Recommended by ProUCL	Total Samples	Total Detects	Max Det (µg
Antimony	10	0	0	NA	518	102	2
Arsenic	10	10	6000	Use 95% Student's-t UCL	518	518	54
Barium	10	10	110000	Use 95% Student's-t UCL	518	518	33
Beryllium	10	10	170	Use 95% Student's-t UCL	518	498	[illegible]
Cadmium	10	0	0	NA	518	390	4
Chromium	10	10	13000	Use 95% Student's-t UCL	518	518	15
Chromium, hexavalent	10	10	1200	Use 95% Approximate Gamma UCL	518	387	9
Cobalt	10	10	22000	Use 95% Student's-t UCL	518	518	5[illegible]
Copper	10	10	81000	Use 95% Student's-t UCL	518	518	71
Lead	10	10	8700	Use 95% Student's-t UCL	518	518	21
Manganese	10	10	1100000	Use 95% Approximate Gamma UCL	518	518	83[illegible]
Mercury	10	10	38	Use 95% Student's-t UCL	518	498	[illegible]
Nickel	10	10	6600	Use 95% Student's-t UCL	518	518	58
Selenium	10	10	1300	Use 95% Student's-t UCL	518	190	4
Silver	10	10	310	Use 95% Student's-t UCL	518	93	
Vanadium	10	10	140000	Use 95% Student's-t UCL	518	518	26
Zinc	10	10	66000	Use 95% Student's-t UCL	518	518	61

Shaded metals signify site concentrations statistically greater than the background concentrations.
The ProUCL two-sample comparison output is provided in Appendix B.

ackground			
		Wilcoxon-Mann-Whitney Test	
Combined Soil Samples			
num cted Kg)	Distribution Recommended by ProUCL	p-value	Statistical Conclusion (p => 0.05)
)0	95% KM (t) UCL	0.5	Conclude Site <= Background
00	Use 95% Student's-t UCL	0.477	Conclude Site <= Background
)00	Use 95% Student's-t UCL	0.487	Conclude Site <= Background
0	95% KM (BCA) UCL	0.5	Conclude Site <= Background
)0	95% KM (BCA) UCL	3.08E-05	Conclude Site > Background
)00	Use 95% Chebyshev (Mean, Sd) UCL	0.0202	Conclude Site > Background
)0	95% KM (Chebyshev) UCL	0.5	Conclude Site <= Background
00	Use 95% Student's-t UCL	0.428	Conclude Site <= Background
)00	Use 95% Student's-t UCL	0.0176	Conclude Site > Background
)00	Use 95% Chebyshev (Mean, Sd) UCL	0.982	Conclude Site <= Background
000	Use 95% Student's-t UCL	0.856	Conclude Site <= Background
0	95% KM (BCA) UCL	0.998	Conclude Site <= Background
)00	Use 95% Chebyshev (Mean, Sd) UCL	2.23E-04	Conclude Site > Background
)0	95% KM (t) UCL	0.5	Conclude Site <= Background
0	95% KM (t) UCL	1	Conclude Site <= Background
)00	Use 95% Student's-t UCL	0.877	Conclude Site <= Background
)00	Use 95% Student's-t UCL	1.21E-02	Conclude Site > Background

Table 4-6. Tank 0010 surface soil results and criteria comparison (on CD).

Table 4-7. Tank 0010 subsurface soil results and criteria comparison (on CD).

Table 4-8. Tank 0020 surface soil results and criteria comparison (on CD).

Table 4-9. Tank 0020 subsurface soil results and criteria comparison (on CD).

Table 4-10. Tank 0041 surface soil results and criteria comparison (on CD).

Table 4-11. Tank 0041 subsurface soil results and criteria comparison (on CD).

Table 4-12. Tank 0042 surface soil results and criteria comparison (on CD).

Table 4-13. Tank 0042 subsurface soil results and criteria comparison (on CD).

Table 4-14. Tank 0080 surface soil results and criteria comparison (on CD).

Table 4-15. Tank 0080 subsurface soil results and criteria comparison (on CD).

Table 4-16. Tank 0100 surface soil results and criteria comparison (on CD).

Table 4-17. Tank 0100 subsurface soil results and criteria comparison (on CD).

Table 4-18. Tank 0160 surface soil results and criteria comparison (on CD).

Table 4-19. Tank 0160 subsurface soil results and criteria comparison (on CD).

Table 4-20. Tank 0170 surface soil results and criteria comparison (on CD).

Table 4-21. Tank 0170 subsurface soil results and criteria comparison (on CD).

Table 4-22. Tank 0220 surface soil results and criteria comparison (on CD).

Table 4-23. Tank 0220 subsurface soil results and criteria comparison (on CD).

Table 4-24. Tank 0240 surface soil results and criteria comparison (on CD).

Table 4-25. Tank 0240 subsurface soil results and criteria comparison (on CD).

Table 4-26. Tank 0330 surface soil results and criteria comparison (on CD).

Table 4-27. Tank 0330 subsurface soil results and criteria comparison (on CD).

Table 4-28. Tank 0340 surface soil results and criteria comparison (on CD).

Table 4-29. Tank 0340 subsurface soil results and criteria comparison (on CD).

Table 4-30. Tank 0360 surface soil results and criteria comparison (on CD).

Table 4-31. Tank 0360 subsurface soil results and criteria comparison (on CD).

Table 4-32. Tank 0401 surface soil results and criteria comparison (on CD).

Table 4-33. Tank 0401 subsurface soil results and criteria comparison (on CD).

Table 4-34. Tank 0403 surface soil results and criteria comparison (on CD).

Table 4-35. Tank 0403 Subsurface soil results and criteria comparison (on CD).

Table 4-36. Tank 0540 surface soil results and criteria comparison (on CD).

Table 4-37. Tank 0540 subsurface soil results and criteria comparison (on CD).

Table 4-38. Tank 0690 surface soil results and criteria comparison (on CD).

Table 4-39. Tank 0690 subsurface soil results and criteria comparison (on CD).

Table 4-40. Tank 0700 surface soil results and criteria comparison (on CD).

Table 4-41. Tank 0700 subsurface soil results and criteria comparison (on CD).

Table 4-42. Tank 0710 surface soil results and criteria comparison (on CD).

Table 4-43. Tank 0710 subsurface soil results and criteria comparison (on CD).

Table 4-44. AOC direct-push groundwater sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples
Site	GW	Metals	Antimony	1	1	38
Site	GW	Metals	Arsenic	34	34	38
Site	GW	Metals	Barium	25	38	38
Site	GW	Metals	Beryllium	10	10	38
Site	GW	Metals	Cadmium	16	16	38
Site	GW	Metals	Chromium	2	37	38
Site	GW	Metals	Chromium, hexavalent	4	4	38
Site	GW	Metals	Cobalt	33	37	38
Site	GW	Metals	Copper	16	38	38
Site	GW	Metals	Cyanide, Total		3	38
Site	GW	Metals	Lead	21	38	38
Site	GW	Metals	Manganese	30	38	38
Site	GW	Metals	Mercury	1	11	38
Site	GW	Metals	Nickel	4	32	38
Site	GW	Metals	Selenium	1	15	38
Site	GW	Metals	Silver		6	38
Site	GW	Metals	Vanadium	28	38	38
Site	GW	Metals	Zinc	1	37	38
Site	GW	SVOC	2,4,5-Trichlorophenol			38
Site	GW	SVOC	2,4,6-Trichlorophenol			38
Site	GW	SVOC	2,4-Dimethylphenol		4	38
Site	GW	SVOC	2,4-Dinitrotoluene	2	2	38
Site	GW	SVOC	2-Methylphenol			38
Site	GW	SVOC	3 & 4 Methylphenol		10	38
Site	GW	SVOC	7,12-Dimethylbenz(a)anthracene			38
Site	GW	SVOC	Acenaphthene		6	38
Site	GW	SVOC	Anthracene		3	38
Site	GW	SVOC	Benzo(a)anthracene			38
Site	GW	SVOC	Benzo(a)pyrene	1	1	38
Site	GW	SVOC	Benzo(b)fluoranthene			38
Site	GW	SVOC	Bis(2-ethylhexyl) phthalate			38
Site	GW	SVOC	Butyl benzyl phthalate			38
Site	GW	SVOC	Chrysene			38
Site	GW	SVOC	Dibenz(a,h)anthracene			38
Site	GW	SVOC	Di-n-butyl phthalate			38
Site	GW	SVOC	Di-n-octyl phthalate			38
Site	GW	SVOC	Fluoranthene		3	38
Site	GW	SVOC	Fluorene		14	38
Site	GW	SVOC	Hexachlorobenzene			38

Unit	Maximum Detected	Location of Maximum	RBSL	Basis
	11	0020-17-GW	2.3	CW_GW
	230	0360-14-GW	0.0446	Res_GW
	26000	0360-14-GW	542	CW_GW
	31	0360-14-GW	0.542	CW_GW
	40	0360-14-GW	0.9678	CW_GW
	2400	0360-14-GW	755	CW_GW
	11	0160-15-GW	0.0677	CW_GW
	3000	0360-14-GW	4.7	Res_GW
	19000	0360-14-GW	622	Res_GW
	5.6	0710-10-GW	311	Res_GW
	1700	0360-14-GW	15	MCL
	140000	0360-14-GW	2176	Res_GW
	0.94	0403-10-GW	0.813	CW_GW
	1100	0360-14-GW	155	CW_GW
	110	0360-14-GW	78	Res_GW
	4.8	0020-14-GW	13	CW_GW
	22000	0360-14-GW	78	Res_GW
	13000	0360-14-GW	4674	Res_GW
			887	Res_GW
			3.5	Res_GW
	50	0360-14-GW	274	Res_GW
	220	0080-10-GW	0.2048	Res_GW
			717	Res_GW
	42	0360-17-GW	718	Res_GW
			0.00002	Res_GW
	4.2	0170-02-GW	396	Res_GW
	0.76	0010-14-GW	1287	Res_GW
			0.006	Res_GW
	0.13	0010-17-GW	0.0004	Res_GW
			0.0068	Res_GW
			0.0568	Res_GW
			13	Res_GW
			0.5618	Res_GW
			0.0003	Res_GW
			628	Res_GW
			305	Res_GW
	0.49	0010-14-GW	81	Res_GW
	34	0710-10-GW	216	Res_GW
			0.004	Res_GW

Table 4-44 (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples	Unit	N
Site	GW	SVOC	Hexachloroethane			38	ug/L	
Site	GW	SVOC	Indeno(1,2,3-cd)pyrene			38	ug/L	
Site	GW	SVOC	Naphthalene	3	25	38	ug/L	
Site	GW	SVOC	Nitrobenzene			38	ug/L	
Site	GW	SVOC	Pentachlorophenol			38	ug/L	
Site	GW	SVOC	Phenol		9	38	ug/L	
Site	GW	SVOC	Pyrene		3	38	ug/L	
Site	GW	SVOC	Pyridine			38	ug/L	
Site	GW	SVOC	Sulfolane	26	35	38	ug/L	
Site	GW	VOC	1,1,1-Trichloroethane			38	ug/L	
Site	GW	VOC	1,1-Dichloroethene			38	ug/L	
Site	GW	VOC	1,2-Dichlorobenzene			38	ug/L	
Site	GW	VOC	1,2-Dichloroethane			38	ug/L	
Site	GW	VOC	1,4-Dichlorobenzene			38	ug/L	
Site	GW	VOC	1,4-Dioxane			38	ug/L	
Site	GW	VOC	2-Butanone (MEK)			38	ug/L	
Site	GW	VOC	Acetone		5	38	ug/L	
Site	GW	VOC	Benzene	26	26	38	ug/L	
Site	GW	VOC	Carbon disulfide		1	38	ug/L	
Site	GW	VOC	Carbon tetrachloride			38	ug/L	
Site	GW	VOC	Chlorobenzene		1	38	ug/L	
Site	GW	VOC	Chloroform			38	ug/L	
Site	GW	VOC	Ethylbenzene	29	29	38	ug/L	
Site	GW	VOC	Ethylene Dibromide			38	ug/L	
Site	GW	VOC	Hexachlorobutadiene			38	ug/L	
Site	GW	VOC	Methyl tert-butyl ether	1	2	38	ug/L	
Site	GW	VOC	m-Xylene & p-Xylene	21	33	38	ug/L	
Site	GW	VOC	o-Xylene	14	26	38	ug/L	
Site	GW	VOC	Styrene		7	38	ug/L	
Site	GW	VOC	Tetrachloroethene			38	ug/L	
Site	GW	VOC	Toluene	6	20	38	ug/L	
Site	GW	VOC	Trichloroethene			38	ug/L	
Site	GW	VOC	Vinyl chloride			38	ug/L	

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

MW = Upper alluvial groundwater; MWD = lower alluvial groundwater; MW/MWD = combined upper nad lower alluvial groun

SD = channel sediment

SW = channel surface water

SS = surface soil; SB = subsurface soil; SS/S

ximum tected	Location of Maximum	RBSL	Basis
		2.2	Res_GW
		0.0021	Res_GW
420	0710-10-GW	192	Res_GW
		29	Res_GW
		0.0324	Res_GW
79	0690-10-GW	4475	Res_GW
0.39	0010-17-GW	87	Res_GW
		15	Res_GW
100000	0540-08-GW	16	Res_GW
		7492	Res_GW
		260	Res_GW
		278	Res_GW
		0.1757	Res_GW
		0.5143	Res_GW
		0.3626	Res_GW
		4915	Res_GW
120	0010-17-GW	11515	Res_GW
230000	0360-17-GW	0.4505	Res_GW
2.9	0010-14-GW	715	Res_GW
		0.4349	Res_GW
9.2	0010-17-GW	72	Res_GW
		0.2335	Res_GW
17000	0401-08-GW	1.5	Res_GW
		0.0077	Res_GW
		0.1285	Res_GW
39	0360-14-GW	14	Res_GW
63000	0700-08-GW	189	Res_GW
17000	0700-08-GW	189	Res_GW
560	0700-08-GW	1064	Res_GW
		11	Res_GW
28000	0330-08-GW	856	Res_GW
		2.3	Res_GW
		0.0816	Res_GW

ater

= combined surface sol and subsurface soil

Table 4-45. Tank 0010 groundwater results and criteria comparison (on CD).

Table 4-46. Tank 0020 groundwater results and criteria comparison (on CD).

Table 4-47. Tank 0041 groundwater results and criteria comparison (on CD).

Table 4-48. Tank 0042 groundwater results and criteria comparison (on CD).

Table 4-49. Tank 0080 groundwater results and criteria comparison (on CD).

Table 4-50. Tank 0100 groundwater results and criteria comparison (on CD).

Table 4-51. Tank 0160 groundwater results and criteria comparison (on CD).

Table 4-52. Tank 0170 groundwater results and criteria comparison (on CD).

Table 4-53. Tank 0220 groundwater results and criteria comparison (on CD).

Table 4-54. Tank 0240 groundwater results and criteria comparison (on CD).

Table 4-55. Tank 0330 groundwater results and criteria comparison (on CD).

Table 4-56. Tank 0340 groundwater results and criteria comparison (on CD).

Table 4-57. Tank 0360 groundwater results and criteria comparison (on CD).

Table 4-58. Tank 0401 groundwater results and criteria comparison (on CD).

Table 4-59. Tank 0403 groundwater results and criteria comparison (on CD).

Table 4-60. Tank 0540 groundwater results and criteria comparison (on CD).

Table 4-61. Tank 0690 groundwater results and criteria comparison (on CD).

Table 4-62. Tank 0700 groundwater results and criteria comparison (on CD).

Table 4-63. Tank 0710 groundwater results and criteria comparison (on CD).

Table 4-64. Upper Alluvial Aquifer groundwater sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples	Unit
Site	Upper	Metals	Antimony			55	ug/L
Site	Upper	Metals	Arsenic	27	27	55	ug/L
Site	Upper	Metals	Barium	11	55	55	ug/L
Site	Upper	Metals	Beryllium			55	ug/L
Site	Upper	Metals	Cadmium	2	2	55	ug/L
Site	Upper	Metals	Chromium	1	8	55	ug/L
Site	Upper	Metals	Chromium, hexavalent	17	17	55	ug/L
Site	Upper	Metals	Cobalt	5	8	55	ug/L
Site	Upper	Metals	Copper		22	55	ug/L
Site	Upper	Metals	Cyanide, Total		1	55	ug/L
Site	Upper	Metals	Lead	1	14	55	ug/L
Site	Upper	Metals	Manganese	16	55	55	ug/L
Site	Upper	Metals	Mercury		8	55	ug/L
Site	Upper	Metals	Mercury		8	55	ug/L
Site	Upper	Metals	Nickel	1	14	55	ug/L
Site	Upper	Metals	Selenium		2	55	ug/L
Site	Upper	Metals	Silver			55	ug/L
Site	Upper	Metals	Vanadium	1	18	55	ug/L
Site	Upper	Metals	Zinc		12	55	ug/L
Site	Upper	SVOC	2,4,5-Trichlorophenol			55	ug/L
Site	Upper	SVOC	2,4,6-Trichlorophenol			55	ug/L
Site	Upper	SVOC	2,4-Dimethylphenol		4	55	ug/L
Site	Upper	SVOC	2,4-Dinitrotoluene			55	ug/L
Site	Upper	SVOC	2-Methylphenol		2	55	ug/L
Site	Upper	SVOC	3 & 4 Methylphenol		7	55	ug/L
Site	Upper	SVOC	7,12-Dimethylbenz(a)anthracene			55	ug/L
Site	Upper	SVOC	Acenaphthene		15	55	ug/L
Site	Upper	SVOC	Anthracene		9	55	ug/L
Site	Upper	SVOC	Benzo(a)anthracene	1	1	55	ug/L
Site	Upper	SVOC	Benzo(a)pyrene	1	1	55	ug/L
Site	Upper	SVOC	Benzo(b)fluoranthene	1	1	55	ug/L
Site	Upper	SVOC	Bis(2-ethylhexyl) phthalate	1	1	55	ug/L
Site	Upper	SVOC	Butyl benzyl phthalate			55	ug/L
Site	Upper	SVOC	Chrysene		1	55	ug/L
Site	Upper	SVOC	Dibenz(a,h)anthracene			55	ug/L
Site	Upper	SVOC	Di-n-butyl phthalate			55	ug/L
Site	Upper	SVOC	Di-n-octyl phthalate			55	ug/L
Site	Upper	SVOC	Fluoranthene		2	55	ug/L
Site	Upper	SVOC	Fluorene		26	55	ug/L

Maximum Detected	Location of Maximum	RBSL	Basis
		2.3	CW_GW
26	TW-1R	0.0446	Res_GW
1300	MW-48	542	CW_GW
		0.542	CW_GW
2.1	MW-113	0.9678	CW_GW
1800	MW-147	755	CW_GW
24	RW-G	0.0677	CW_GW
19	MW-42	4.7	Res_GW
86	MW-42	622	Res_GW
3.2	MW-158	311	Res_GW
53	MW-113	15	MCL
15000	MW-48	2176	Res_GW
0.22	RW-D	0.813	CW_GW
0.22	RW-E	0.813	CW_GW
450	MW-147	155	CW_GW
7.2	MW-49	78	Res_GW
		13	CW_GW
120	MW-42	78	Res_GW
740	MW-113	4674	Res_GW
		887	Res_GW
		3.5	Res_GW
17	RW-A	274	Res_GW
		0.2048	Res_GW
6.1	RW-K	717	Res_GW
14	RW-A	718	Res_GW
		0.00002	Res_GW
3.9	MW-107	396	Res_GW
8.5	MW-14	1287	Res_GW
0.27	PZ-1R	0.006	Res_GW
0.15	PZ-1R	0.0004	Res_GW
0.3	PZ-1R	0.0068	Res_GW
3.5	MW-43	0.0568	Res_GW
		13	Res_GW
0.31	PZ-1R	0.5618	Res_GW
		0.0003	Res_GW
		628	Res_GW
		305	Res_GW
0.84	MW-107	81	Res_GW
83	MW-107	216	Res_GW

Table 4-64. (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples	Unit
Site	Upper	SVOC	Hexachlorobenzene			55	ug/L
Site	Upper	SVOC	Hexachloroethane			55	ug/L
Site	Upper	SVOC	Indeno(1,2,3-cd)pyrene	1	1	55	ug/L
Site	Upper	SVOC	Naphthalene	2	33	84	ug/L
Site	Upper	SVOC	Nitrobenzene		1	55	ug/L
Site	Upper	SVOC	Pentachlorophenol			55	ug/L
Site	Upper	SVOC	Phenol		6	55	ug/L
Site	Upper	SVOC	Pyrene		2	55	ug/L
Site	Upper	SVOC	Pyridine			55	ug/L
Site	Upper	SVOC	Sulfolane	39	64	84	ug/L
Site	Upper	VOC	1,1,1-Trichloroethane			55	ug/L
Site	Upper	VOC	1,1-Dichloroethene			55	ug/L
Site	Upper	VOC	1,2-Dichlorobenzene		2	55	ug/L
Site	Upper	VOC	1,2-Dichloroethane			55	ug/L
Site	Upper	VOC	1,4-Dichlorobenzene	3	3	55	ug/L
Site	Upper	VOC	1,4-Dioxane			55	ug/L
Site	Upper	VOC	2-Butanone (MEK)			55	ug/L
Site	Upper	VOC	Acetone		1	55	ug/L
Site	Upper	VOC	Benzene	30	31	93	ug/L
Site	Upper	VOC	Carbon disulfide			55	ug/L
Site	Upper	VOC	Carbon tetrachloride			55	ug/L
Site	Upper	VOC	Chlorobenzene		8	55	ug/L
Site	Upper	VOC	Chloroform			55	ug/L
Site	Upper	VOC	Ethylbenzene	20	27	93	ug/L
Site	Upper	VOC	Ethylene Dibromide			55	ug/L
Site	Upper	VOC	Hexachlorobutadiene			55	ug/L
Site	Upper	VOC	Methyl tert-butyl ether	2	28	84	ug/L
Site	Upper	VOC	m-Xylene & p-Xylene	11	28	93	ug/L
Site	Upper	VOC	o-Xylene	7	18	93	ug/L
Site	Upper	VOC	Styrene			55	ug/L
Site	Upper	VOC	Tetrachloroethene			55	ug/L
Site	Upper	VOC	Toluene	4	13	93	ug/L
Site	Upper	VOC	Trichloroethene			55	ug/L
Site	Upper	VOC	Vinyl chloride			55	ug/L

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

Upper = upper alluvial groundwater; Lower = lower alluvial groundwater

SD = channel sediment

SW = channel surface water

SS = surface soil; SB = subsurface soil; SS/SB =

Maximum Detected	Location of Maximum	RBSL	Basis
		0.004	Res_GW
		2.2	Res_GW
0.27	PZ-1R	0.0021	Res_GW
250	TW-1R	192	Res_GW
8.4	TW-1R	29	Res_GW
		0.0324	Res_GW
120	NEW WELL-1	4475	Res_GW
0.63	MW-14	87	Res_GW
		15	Res_GW
14000	MW-113	16	Res_GW
		7492	Res_GW
		260	Res_GW
1.1	RW-I	278	Res_GW
		0.1757	Res_GW
1.9	TW-2	0.5143	Res_GW
		0.3626	Res_GW
		4915	Res_GW
46	MW-135	11515	Res_GW
190000	NEW WELL-1	0.4505	Res_GW
		715	Res_GW
		0.4349	Res_GW
18	RW-I	72	Res_GW
		0.2335	Res_GW
14000	MW-116	1.5	Res_GW
		0.0077	Res_GW
		0.1285	Res_GW
20	MW-28	14	Res_GW
39000	MW-116	189	Res_GW
29000	MW-116	189	Res_GW
		1064	Res_GW
		11	Res_GW
4500	RW-A	856	Res_GW
		2.3	Res_GW
		0.0816	Res_GW

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Table 4-65. Lower Alluvial Aquifer groundwater sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Numbe Sampl
Site	Lower	Metals	Antimony			
Site	Lower	Metals	Arsenic	8	8	
Site	Lower	Metals	Barium		23	
Site	Lower	Metals	Barium		23	
Site	Lower	Metals	Beryllium			
Site	Lower	Metals	Cadmium	1	1	
Site	Lower	Metals	Chromium		9	
Site	Lower	Metals	Chromium, hexavalent			
Site	Lower	Metals	Cobalt	2	3	
Site	Lower	Metals	Copper		13	
Site	Lower	Metals	Cyanide, Total			
Site	Lower	Metals	Lead		14	
Site	Lower	Metals	Manganese	4	23	
Site	Lower	Metals	Mercury	1	4	
Site	Lower	Metals	Nickel		5	
Site	Lower	Metals	Selenium		1	
Site	Lower	Metals	Silver			
Site	Lower	Metals	Vanadium		17	
Site	Lower	Metals	Zinc		6	
Site	Lower	SVOC	2,4,5-Trichlorophenol			
Site	Lower	SVOC	2,4,6-Trichlorophenol			
Site	Lower	SVOC	2,4-Dimethylphenol			
Site	Lower	SVOC	2,4-Dinitrotoluene			
Site	Lower	SVOC	2-Methylphenol			
Site	Lower	SVOC	3 & 4 Methylphenol			
Site	Lower	SVOC	7,12-Dimethylbenz(a)anthracene			
Site	Lower	SVOC	Acenaphthene		1	
Site	Lower	SVOC	Anthracene			
Site	Lower	SVOC	Benzo(a)anthracene			
Site	Lower	SVOC	Benzo(a)pyrene			
Site	Lower	SVOC	Benzo(b)fluoranthene			
Site	Lower	SVOC	Bis(2-ethylhexyl) phthalate	2	2	
Site	Lower	SVOC	Butyl benzyl phthalate			
Site	Lower	SVOC	Chrysene			
Site	Lower	SVOC	Dibenz(a,h)anthracene			
Site	Lower	SVOC	Di-n-butyl phthalate			
Site	Lower	SVOC	Di-n-octyl phthalate			
Site	Lower	SVOC	Fluoranthene			
Site	Lower	SVOC	Fluorene		1	

of	Unit	Maximum Detected	Location of Maximum	RBSL	Basis
23	ug/L			2.3	CW_GW
23	ug/L	180	MW-129D	0.0446	Res_GW
23	ug/L	160	MW-129D	542	CW_GW
23	ug/L	160	MW-136D	542	CW_GW
23	ug/L			0.542	CW_GW
23	ug/L	1	DMW-2	0.9678	CW_GW
23	ug/L	640	MW-133D	755	CW_GW
23	ug/L			0.0677	CW_GW
23	ug/L	7.1	MW-46D	4.7	Res_GW
23	ug/L	28	MW-46D	622	Res_GW
23	ug/L			311	Res_GW
23	ug/L	4.6	MW-46D	15	MCL
23	ug/L	3700	MW-117D	2176	Res_GW
23	ug/L	1.5	MW-133D	0.813	CW_GW
23	ug/L	120	MW-133D	155	CW_GW
23	ug/L	6.1	MW-133D	78	Res_GW
23	ug/L			13	CW_GW
23	ug/L	58	MW-46D	78	Res_GW
23	ug/L	25	MW-46D	4674	Res_GW
23	ug/L			887	Res_GW
23	ug/L			3.5	Res_GW
23	ug/L			274	Res_GW
23	ug/L			0.2048	Res_GW
23	ug/L			717	Res_GW
23	ug/L			718	Res_GW
23	ug/L			0.00002	Res_GW
23	ug/L	0.21	MW-136D	396	Res_GW
23	ug/L			1287	Res_GW
23	ug/L			0.006	Res_GW
23	ug/L			0.0004	Res_GW
23	ug/L			0.0068	Res_GW
23	ug/L	10	MW-123D	0.0568	Res_GW
23	ug/L			13	Res_GW
23	ug/L			0.5618	Res_GW
23	ug/L			0.0003	Res_GW
23	ug/L			628	Res_GW
23	ug/L			305	Res_GW
23	ug/L			81	Res_GW
23	ug/L	4.1	MW-136D	216	Res_GW

Table 4-66. Upper Alluvial Aquifer groundwater results and comparisons (on CD).

Table 4-67. Lower Alluvial Aquifer groundwater results and criteria comparison (on CD).

Table 4-68. Effluent channel surface water sample sta

Data_Group	Matrix	Analysis		Basis
Site	SW	Metals	Antimony	es_SW
Site	SW	Metals	Arsenic	es_SW
Site	SW	Metals	Barium	es_SW
Site	SW	Metals	Beryllium	es_SW
Site	SW	Metals	Cadmium	es_SW
Site	SW	Metals	Chromium	es_SW
Site	SW	Metals	Chromium,	es_SW
Site	SW	Metals	Cobalt	es_SW
Site	SW	Metals	Copper	es_SW
Site	SW	Metals	Cyanide, T	es_SW
Site	SW	Metals	Lead	CL
Site	SW	Metals	Manganese	es_SW
Site	SW	Metals	Mercury	es_SW
Site	SW	Metals	Nickel	es_SW
Site	SW	Metals	Selenium	es_SW
Site	SW	Metals	Silver	es_SW
Site	SW	Metals	Vanadium	es_SW
Site	SW	Metals	Zinc	es_SW
Site	SW	SVOC	2,4,5-Trich	es_SW
Site	SW	SVOC	2,4,6-Trich	es_SW
Site	SW	SVOC	2,4-Dimeth	es_SW
Site	SW	SVOC	2,4-Dinitro	es_SW
Site	SW	SVOC	2-Methylph	es_SW
Site	SW	SVOC	3 & 4 Meth	es_SW
Site	SW	SVOC	7,12-Dimet	es_SW
Site	SW	SVOC	Acenaphthe	es_SW
Site	SW	SVOC	Anthracene	es_SW
Site	SW	SVOC	Benzo(a)an	es_SW
Site	SW	SVOC	Benzo(a)py	es_SW
Site	SW	SVOC	Benzo(b)flu	es_SW
Site	SW	SVOC	Bis(2-ethyl	es_SW
Site	SW	SVOC	Butyl benz	es_SW
Site	SW	SVOC	Chrysene	es_SW
Site	SW	SVOC	Dibenz(a,h	es_SW
Site	SW	SVOC	Di-n-butyl	es_SW
Site	SW	SVOC	Di-n-octyl	es_SW
Site	SW	SVOC	Fluoranthe	es_SW
Site	SW	SVOC	Fluorene	es_SW
Site	SW	SVOC	Hexachlorc	es_SW

Table 4-69. Effluent channel surface water results and criteria comparison (on CD).

Table 4-65. (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Numbe Sampl
Site	Lower	SVOC	Hexachlorobenzene			
Site	Lower	SVOC	Hexachloroethane			
Site	Lower	SVOC	Indeno(1,2,3-cd)pyrene			
Site	Lower	SVOC	Naphthalene		4	
Site	Lower	SVOC	Nitrobenzene			
Site	Lower	SVOC	Pentachlorophenol			
Site	Lower	SVOC	Phenol			
Site	Lower	SVOC	Pyrene			
Site	Lower	SVOC	Pyridine			
Site	Lower	SVOC	Sulfolane	23	26	
Site	Lower	VOC	1,1,1-Trichloroethane			
Site	Lower	VOC	1,1-Dichloroethene			
Site	Lower	VOC	1,2-Dichlorobenzene			
Site	Lower	VOC	1,2-Dichloroethane			
Site	Lower	VOC	1,4-Dichlorobenzene			
Site	Lower	VOC	1,4-Dioxane			
Site	Lower	VOC	2-Butanone (MEK)			
Site	Lower	VOC	Acetone			
Site	Lower	VOC	Benzene	11	11	
Site	Lower	VOC	Carbon disulfide			
Site	Lower	VOC	Carbon tetrachloride			
Site	Lower	VOC	Chlorobenzene		1	
Site	Lower	VOC	Chloroform	1	1	
Site	Lower	VOC	Ethylbenzene		1	
Site	Lower	VOC	Ethylene Dibromide			
Site	Lower	VOC	Hexachlorobutadiene			
Site	Lower	VOC	Methyl tert-butyl ether	1	11	
Site	Lower	VOC	m-Xylene & p-Xylene		1	
Site	Lower	VOC	o-Xylene			
Site	Lower	VOC	Styrene			
Site	Lower	VOC	Tetrachloroethene		2	
Site	Lower	VOC	Toluene			
Site	Lower	VOC	Trichloroethene			
Site	Lower	VOC	Vinyl chloride			

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

Upper = Shallow groundwater; Lower = deep groundwater

SD = channel sediment

SW = channel surface water

SS = surface soil; SB = subsurface soil; SS/SB = c

of	Unit	Maximum Detected	Location of Maximum	RBSL	Basis
23	ug/L			0.004	Res_GW
23	ug/L			2.2	Res_GW
23	ug/L			0.0021	Res_GW
39	ug/L	29	MW-21D	192	Res_GW
23	ug/L			29	Res_GW
23	ug/L			0.0324	Res_GW
23	ug/L			4475	Res_GW
23	ug/L			87	Res_GW
23	ug/L			15	Res_GW
39	ug/L	2800	MW-46D	16	Res_GW
23	ug/L			7492	Res_GW
23	ug/L			260	Res_GW
23	ug/L			278	Res_GW
23	ug/L			0.1757	Res_GW
23	ug/L			0.5143	Res_GW
23	ug/L			0.3626	Res_GW
23	ug/L			4915	Res_GW
23	ug/L			11515	Res_GW
39	ug/L	21	MW-159D	0.4505	Res_GW
23	ug/L			715	Res_GW
23	ug/L			0.4349	Res_GW
23	ug/L	2	MW-136D	72	Res_GW
23	ug/L	10	MW-133D	0.2335	Res_GW
39	ug/L	1.1	MW-136D	1.5	Res_GW
23	ug/L			0.0077	Res_GW
23	ug/L			0.1285	Res_GW
39	ug/L	27	MW-159D	14	Res_GW
39	ug/L	2.5	MW-136D	189	Res_GW
39	ug/L			189	Res_GW
23	ug/L			1064	Res_GW
23	ug/L	1.5	MW-106D	11	Res_GW
39	ug/L			856	Res_GW
23	ug/L			2.3	Res_GW
23	ug/L			0.0816	Res_GW

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Table 4-68. (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number Sample
Site	SW	SVOC	Hexachloroethane			
Site	SW	SVOC	Indeno(1,2,3-cd)pyrene			
Site	SW	SVOC	Naphthalene			
Site	SW	SVOC	Nitrobenzene			
Site	SW	SVOC	Pentachlorophenol			
Site	SW	SVOC	Phenol			
Site	SW	SVOC	Pyrene			
Site	SW	SVOC	Pyridine			
Site	SW	SVOC	Sulfolane		1	
Site	SW	VOC	1,1,1-Trichloroethane			
Site	SW	VOC	1,1-Dichloroethene			
Site	SW	VOC	1,2-Dichlorobenzene			
Site	SW	VOC	1,2-Dichloroethane			
Site	SW	VOC	1,4-Dichlorobenzene			
Site	SW	VOC	1,4-Dioxane			
Site	SW	VOC	2-Butanone (MEK)			
Site	SW	VOC	Acetone			
Site	SW	VOC	Benzene			
Site	SW	VOC	Carbon disulfide			
Site	SW	VOC	Carbon tetrachloride			
Site	SW	VOC	Chlorobenzene			
Site	SW	VOC	Chloroform			
Site	SW	VOC	Ethylbenzene			
Site	SW	VOC	Ethylene Dibromide			
Site	SW	VOC	Hexachlorobutadiene			
Site	SW	VOC	Methyl tert-butyl ether			
Site	SW	VOC	m-Xylene & p-Xylene			
Site	SW	VOC	o-Xylene			
Site	SW	VOC	Styrene			
Site	SW	VOC	Tetrachloroethene			
Site	SW	VOC	Toluene			
Site	SW	VOC	Trichloroethene			
Site	SW	VOC	Vinyl chloride			

Data_Group:

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

Upper = Shallow groundwater; Lower = deep groundwater

SD = channel sediment

SW = channel surface water

SS = surface soil; SB = subsurface soil; SS/SB = combined surfa

f	Unit	Maximum Detected	Location of Maximum	RBSL	Basis
3	ug/L			152	Tres_SW
3	ug/L			0.0804	Tres_SW
6	ug/L			11974	Tres_SW
3	ug/L			6127	Tres_SW
3	ug/L			1.5	Tres_SW
3	ug/L			1082431	Tres_SW
3	ug/L			2960	Tres_SW
3	ug/L			5154	Tres_SW
6	ug/L	0.94	DITCH-1	6436	Tres_SW
3	ug/L			388921	Tres_SW
3	ug/L			14947	Tres_SW
3	ug/L			13055	Tres_SW
3	ug/L			18	Tres_SW
3	ug/L			43	Tres_SW
3	ug/L			56	Tres_SW
3	ug/L			387593	Tres_SW
3	ug/L			1811018	Tres_SW
6	ug/L			49	Tres_SW
3	ug/L			47799	Tres_SW
3	ug/L			48	Tres_SW
3	ug/L			3583	Tres_SW
3	ug/L			21	Tres_SW
6	ug/L			126	Tres_SW
3	ug/L			0.7876	Tres_SW
3	ug/L			8.1	Tres_SW
6	ug/L			1742	Tres_SW
6	ug/L			8205	Tres_SW
6	ug/L			8205	Tres_SW
3	ug/L			56656	Tres_SW
3	ug/L			964	Tres_SW
6	ug/L			65941	Tres_SW
3	ug/L			224	Tres_SW
3	ug/L			18	Tres_SW

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Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
ug/Kg				5256000	Tres_SD
ug/Kg	3100	CHANNEL-3	6000	22603	Tres_SD
ug/Kg	180000	CHANNEL-1	110000	2365816413	Tres_SD
ug/Kg	210	CHANNEL-1	170	25571530	Tres_SD
ug/Kg	410	CHANNEL-2		4877772	Tres_SD
ug/Kg	67000	CHANNEL-2	13000	19710000000	Tres_SD
ug/Kg	910	CHANNEL-3	1200	146482	Tres_SD
ug/Kg	21000	CHANNEL-2	22000	3888139	Tres_SD
ug/Kg	79000	CHANNEL-1	81000	525600000	Tres_SD
ug/Kg				262800000	Tres_SD
ug/Kg	21000	CHANNEL-2	8700	400000	Res_SSL
ug/Kg	1300000	CHANNEL-1	1100000	1035955892	Tres_SD
ug/Kg	1300000	CHANNEL-3	1100000	1035955892	Tres_SD
ug/Kg	73	CHANNEL-2	38	4057	Tres_SD
ug/Kg	55000	CHANNEL-2	6600	247558431	Tres_SD
ug/Kg			1300	65695450	Tres_SD
ug/Kg			310	65700000	Tres_SD
ug/Kg	150000	CHANNEL-1	140000	65700000	Tres_SD
ug/Kg	150000	CHANNEL-2	140000	65700000	Tres_SD
ug/Kg	160000	CHANNEL-2	66000	3942000000	Tres_SD
ug/Kg				252692308	Tres_SD
ug/Kg				641325	Tres_SD
ug/Kg				50538462	Tres_SD
ug/Kg				31568	Tres_SD
ug/Kg				101418395	Tres_SD
ug/Kg				113337089	Tres_SD
ug/Kg				47	Tres_SD
ug/Kg				122043344	Tres_SD
ug/Kg				610216718	Tres_SD
ug/Kg				16128	Tres_SD
ug/Kg				1621	Tres_SD
ug/Kg				16000	Tres_SD
ug/Kg				1052370	Tres_SD
ug/Kg				7758097	Tres_SD
ug/Kg				1280244	Tres_SD
ug/Kg				1624	Tres_SD
ug/Kg				252692308	Tres_SD
ug/Kg				48567713	Tres_SD
ug/Kg				81362229	Tres_SD

Table 4-70. Effluent channel sediment sample statistics.

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples
Site	SD	Metals	Antimony			3
Site	SD	Metals	Arsenic		3	3
Site	SD	Metals	Barium		3	3
Site	SD	Metals	Beryllium		3	3
Site	SD	Metals	Cadmium		3	3
Site	SD	Metals	Chromium		3	3
Site	SD	Metals	Chromium, hexavalent		3	3
Site	SD	Metals	Cobalt		3	3
Site	SD	Metals	Copper		3	3
Site	SD	Metals	Cyanide, Total			3
Site	SD	Metals	Lead		3	3
Site	SD	Metals	Manganese		3	3
Site	SD	Metals	Manganese		3	3
Site	SD	Metals	Mercury		3	3
Site	SD	Metals	Nickel		3	3
Site	SD	Metals	Selenium			3
Site	SD	Metals	Silver			3
Site	SD	Metals	Vanadium		3	3
Site	SD	Metals	Vanadium		3	3
Site	SD	Metals	Zinc		3	3
Site	SD	SVOC	2,4,5-Trichlorophenol			3
Site	SD	SVOC	2,4,6-Trichlorophenol			3
Site	SD	SVOC	2,4-Dimethylphenol			3
Site	SD	SVOC	2,4-Dinitrotoluene			3
Site	SD	SVOC	2-Methylphenol			3
Site	SD	SVOC	3 & 4 Methylphenol			3
Site	SD	SVOC	7,12-Dimethylbenz(a)anthracene			3
Site	SD	SVOC	Acenaphthene			3
Site	SD	SVOC	Anthracene			3
Site	SD	SVOC	Benzo(a)anthracene			3
Site	SD	SVOC	Benzo(a)pyrene			3
Site	SD	SVOC	Benzo(b)fluoranthene			3
Site	SD	SVOC	Bis(2-ethylhexyl) phthalate			3
Site	SD	SVOC	Butyl benzyl phthalate			3
Site	SD	SVOC	Chrysene			3
Site	SD	SVOC	Dibenz(a,h)anthracene			3
Site	SD	SVOC	Di-n-butyl phthalate			3
Site	SD	SVOC	Di-n-octyl phthalate			3
Site	SD	SVOC	Fluoranthene			3

Unit	Maximum Detected	Location of Maximum	Maximum Background	RBSL	Basis
ug/Kg				81362229	Tres_SD
ug/Kg				4737	Tres_SD
ug/Kg				361498	Tres_SD
ug/Kg				16233	Tres_SD
ug/Kg				40002	Tres_SD
ug/Kg				26805	Tres_SD
ug/Kg				16605	Tres_SD
ug/Kg				127887348	Tres_SD
ug/Kg				61021672	Tres_SD
ug/Kg				13140000	Tres_SD
ug/Kg	130	CHANNEL-2		1397852	Tres_SD
ug/Kg				46100820	Tres_SD
ug/Kg				1193911	Tres_SD
ug/Kg				12086279	Tres_SD
ug/Kg				3649	Tres_SD
ug/Kg				28593	Tres_SD
ug/Kg				53205	Tres_SD
ug/Kg				385362346	Tres_SD
ug/Kg				1427855223	Tres_SD
ug/Kg				8473	Tres_SD
ug/Kg				3476283	Tres_SD
ug/Kg				8319	Tres_SD
ug/Kg				1299933	Tres_SD
ug/Kg				2816	Tres_SD
ug/Kg				52145	Tres_SD
ug/Kg				370	Tres_SD
ug/Kg				56054	Tres_SD
ug/Kg				434642	Tres_SD
ug/Kg				2542674	Tres_SD
ug/Kg				2542674	Tres_SD
ug/Kg				54747823	Tres_SD
ug/Kg				237391	Tres_SD
ug/Kg				76970269	Tres_SD
ug/Kg				39571	Tres_SD
ug/Kg				5457	Tres_SD

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Table 4-70. (continued).

Data_Group	Matrix	Analysis	Analyte	Number of Exceedances	Number of Detects	Number of Samples
Site	SD	SVOC	Fluorene			3
Site	SD	SVOC	Hexachlorobenzene			3
Site	SD	SVOC	Hexachloroethane			3
Site	SD	SVOC	Indeno(1,2,3-cd)pyrene			3
Site	SD	SVOC	Naphthalene			6
Site	SD	SVOC	Nitrobenzene			3
Site	SD	SVOC	Pentachlorophenol			3
Site	SD	SVOC	Phenol			3
Site	SD	SVOC	Pyrene			3
Site	SD	SVOC	Pyridine			3
Site	SD	SVOC	Sulfolane		1	6
Site	SD	VOC	1,1,1-Trichloroethane			3
Site	SD	VOC	1,1-Dichloroethene			3
Site	SD	VOC	1,2-Dichlorobenzene			3
Site	SD	VOC	1,2-Dichloroethane			3
Site	SD	VOC	1,4-Dichlorobenzene			3
Site	SD	VOC	1,4-Dioxane			3
Site	SD	VOC	2-Butanone (MEK)			3
Site	SD	VOC	Acetone			3
Site	SD	VOC	Benzene			6
Site	SD	VOC	Carbon disulfide			3
Site	SD	VOC	Carbon tetrachloride			3
Site	SD	VOC	Chlorobenzene			3
Site	SD	VOC	Chloroform			3
Site	SD	VOC	Ethylbenzene			6
Site	SD	VOC	Ethylene Dibromide			3
Site	SD	VOC	Hexachlorobutadiene			3
Site	SD	VOC	Methyl tert-butyl ether			6
Site	SD	VOC	m-Xylene & p-Xylene			6
Site	SD	VOC	o-Xylene			6
Site	SD	VOC	Styrene			3
Site	SD	VOC	Tetrachloroethene			3
Site	SD	VOC	Toluene			6
Site	SD	VOC	Trichloroethene			3
Site	SD	VOC	Vinyl chloride			3

BKG = Background

Media:

GW = Direct-punch groundwater grab samples

Upper = Shallow groundwater; Lower = deep groundwater

SD = channel sediment

SW = channel surface water

SS = surface soil; SB = subsurface soil; SS/SB = con

Table 4-71. Effluent channel sediment results and criteria comparison (on CD).

Table 4-72. Chemicals of potential concern.

Analyte	Surface Soil	Subsurface Soil	AOC Groundwater	Upper Alluvial Groundwater	Lower Alluvial Groundwater
Antimony	X	X	X		
Arsenic	X	X	X	X	X
Barium	X	X	X	X	
Beryllium			X		
Cadmium	X	X	X	X	X
Chromium			X	X	
Chromium, hexavalent	X	X	X	X	
Cobalt	X	X	X	X	X
Copper	X	X	X		
Cyanide, Total	X	X			
Lead	X	X	X	X	
Manganese	X	X	X	X	X
Mercury	X	X	X		X
Nickel	X	X	X	X	
Selenium	X	X	X		
Silver	X	X			
Vanadium	X	X	X	X	
Zinc	X		X		
2,4-Dinitrotoluene	X	X	X		
7,12-Dimethylbenz(a)anthracene		X			
Benzo(a)anthracene	X	X		X	
Benzo(a)pyrene	X	X	X	X	
Benzo(b)fluoranthene	X	X		X	
Bis(2-ethylhexyl) phthalate	X	X		X	X
Indeno(1,2,3-cd)pyrene	X	X		X	
Naphthalene	X	X	X	X	
Nitrobenzene		X			
Sulfolane	X	X	X	X	X
1,2-Dichloroethane		X			
1,4-Dichlorobenzene				X	
Acetone	X	X			
Benzene	X	X	X	X	X
Chloroform					X
Ethylbenzene	X	X	X	X	
Methyl tert-butyl ether	X	X	X	X	X
m-Xylene & p-Xylene	X	X	X	X	
o-Xylene	X	X	X	X	
Styrene	X	X			
Toluene	X	X	X	X	

Table 6-1. Intake parameters used in calculation of site-specific risk-based screening levels.

Parameter	Receptor			
Common Parameters	**Resident**	**Construction Worker**	**Industrial Worker**	**Trespasser (teenager)**
EF_r (exposure frequency) day/yr	350	250	250	50
ED_r (exposure duration) yr	30	1	25	12
ED_c (exposure duration - Resident child) yr	6	NA	NA	NA
ED_a (exposure duration - Resident adult) yr	24	NA	NA	NA
ATc - (carcinogenic attenuation time) yr	70	70	70	70
ATn (noncarcinogenic attenuation time) yr	NA	1	25	12
ATn (noncarcinogenic attenuation time - resident child) yr	6	NA	NA	NA
ATn (noncarcinogenic attenuation time - resident adult yr	24	NA	NA	NA
BW_a (body weight - adult) kg	70	70	70	45
BW_c (body weight - child) kg	15	NA	NA	NA
Soil/Sediment parameters				
IRS_a (soil intake rate - adult) mg/day	NA	300	100	NA
IRS_a (soil intake rate - trespasser) mg/day	NA	NA	NA	75
IRS_a (sediment intake rate - trespasser) mg/day	NA	NA	NA	25
IRS_c (soil intake rate - child) mg/day	NA	NA	NA	NA
SA_a (skin surface area - adult) cm^2/day	NA	3,300	3,300	3,500
SA_c (skin surface area - child) cm^2/day	NA	NA	NA	NA
AF_a (skin adherence factor - adult) mg/cm^2	NA	0.3	0.2	0.3
AF_c (skin adherence factor - child) mg/cm^2	NA	NA	NA	NA
IFS_{adj} (age-adjusted soil ingestion factor) mg-yr/kg-day	NA	NA	NA	NA
DFS_{adj} (age-adjusted soil dermal factor) mg-yr/kg-day	NA	NA	NA	NA
VF (Volatilization factor) M^3/Kg	NA	Chemical-specific	Chemical-specific	Chemical-specific
PEF (particulate emission factor) M^3/Kg	NA	8.14E+06	1.08E+09	1.08E+09
ABS (dermal absorption factor) unitless	NA	Chemical-specific	Chemical-specific	Chemical-specific
Water parameters				
EV_c (shower - water contact events) events/day	1	1	NA	1
IRW (water intake rate) L/day	NA	NA	NA	0.05
IRW_a (water intake rate - adult) L/day	2	NA	NA	NA
IRW_c (water intake rate - child) L/day	1	NA	NA	NA
K (volatilization factor of Andelman) L/m^3	0.5	0.5		0.5
SA_a (skin surface area - adult) cm^2	18,000	3,300	NA	3,500
SA_c (skin surface area - child) cm^2	6,600	NA	NA	NA
ET_c (showering exposure time - child) hr/event	1	NA	NA	NA
ETa (showering/contact exposure time - adult) hr/event	0.58	8	NA	2
IFW_{adj} (adjusted intake factor) L-yr/kg-day	1.086	NA	NA	NA
DFW_{adj} (adjusted dermal factor) cm^2-yr-hr/kg-day	6,240	NA	NA	NA
Inhalation Parameters				
ETa (air inhalation exposure time) hrs/24hours	24/24	8/24	8/24	4/24

Table 6-2. Exposure point concentrations.

Analyte	Unit	Maximum Detected	EPC	EPC Basis
Upper Alluvial Aquifer				
1,2-Dichlorobenzene	ug/L	1.1	0.943	95UCL
1,4-Dichlorobenzene	ug/L	1.9	1.527	95UCL
2,4-Dimethylphenol	ug/L	17	5.911	95UCL
2-Methylphenol	ug/L	6.1	4.039	95UCL
3 & 4 Methylphenol	ug/L	14	1.618	95UCL
Acenaphthene	ug/L	3.9	0.547	95UCL
Acetone	ug/L	46	46	Max
Anthracene	ug/L	8.5	0.742	95UCL
Arsenic	ug/L	26	9.764	95UCL
Barium	ug/L	1300	395.2	95UCL
Benzene	ug/L	190000	16289	95UCL
Benzo(a)anthracene	ug/L	0.27	0.27	Max
Benzo(a)pyrene	ug/L	0.15	0.15	Max
Benzo(b)fluoranthene	ug/L	0.3	0.3	Max
Bis(2-ethylhexyl) phthalate	ug/L	3.5	3.5	Max
Cadmium	ug/L	2.1	2.1	Max
Chlorobenzene	ug/L	18	3.539	95UCL
Chromium	ug/L	1800	380.6	95UCL
Chromium, hexavalent	ug/L	24	8.701	95UCL
Chrysene	ug/L	0.31	0.31	Max
Cobalt	ug/L	19	5.167	95UCL
Copper	ug/L	86	9.22	95UCL
Cyanide, Total	ug/L	3.2	3.2	Max
Ethylbenzene	ug/L	14000	1232	95UCL
Fluoranthene	ug/L	0.84	0.54	95UCL
Fluorene	ug/L	83	7.228	95UCL
Indeno(1,2,3-cd)pyrene	ug/L	0.27	0.27	Max
Lead	ug/L	53	4.811	95UCL
Manganese	ug/L	15000	2455	95UCL
Mercury	ug/L	0.22	0.0933	95UCL
Mercury	ug/L	0.22	0.0933	95UCL
Methyl tert-butyl ether	ug/L	20	2.549	95UCL
m-Xylene & p-Xylene	ug/L	39000	3782	95UCL
Naphthalene	ug/L	250	25.13	95UCL
Nickel	ug/L	450	33.13	95UCL
Nitrobenzene	ug/L	8.4	8.4	Max
o-Xylene	ug/L	29000	988.8	95UCL
Phenol	ug/L	120	21.95	95UCL
Pyrene	ug/L	0.63	0.621	95UCL
Selenium	ug/L	7.2	4.57	95UCL
Sulfolane	ug/L	14000	1382	95UCL
Toluene	ug/L	4500	215.4	95UCL
Vanadium	ug/L	120	12.94	95UCL

Table 6-2. (continued).

Analyte	Unit	Maximum Detected	EPC	EPC Basis
Upper Alluvial Aquifer				
Zinc	ug/L	740	57.36	95UCL
Combined Upper Alluvial and Lower Alluvial Aquifers				
1,2-Dichlorobenzene	ug/L	1.1	0.938	95UCL
1,4-Dichlorobenzene	ug/L	1.9	1.518	95UCL
2,4-Dimethylphenol	ug/L	17	5.716	95UCL
2-Methylphenol	ug/L	6.1	4.001	95UCL
3 & 4 Methylphenol	ug/L	14	1.272	95UCL
Acenaphthene	ug/L	3.9	0.446	95UCL
Acetone	ug/L	46	46	Max
Anthracene	ug/L	8.5	0.637	95UCL
Arsenic	ug/L	180	14.51	95UCL
Barium	ug/L	1300	311.8	95UCL
Benzene	ug/L	190000	11469	95UCL
Benzo(a)anthracene	ug/L	0.27	0.27	Max
Benzo(a)pyrene	ug/L	0.15	0.15	Max
Benzo(b)fluoranthene	ug/L	0.3	0.3	Max
Bis(2-ethylhexyl) phthalate	ug/L	10	3.482	95UCL
Cadmium	ug/L	2.1	1.05	95UCL
Chlorobenzene	ug/L	18	2.902	95UCL
Chloroform	ug/L	10	10	Max
Chromium	ug/L	1800	143.9	95UCL
Chromium, hexavalent	ug/L	24	8.064	95UCL
Chrysene	ug/L	0.31	0.31	Max
Cobalt	ug/L	19	4.805	95UCL
Copper	ug/L	86	7.91	95UCL
Cyanide, Total	ug/L	3.2	3.2	Max
Ethylbenzene	ug/L	14000	870.4	95UCL
Fluoranthene	ug/L	0.84	0.535	95UCL
Fluorene	ug/L	83	5.24	95UCL
Indeno(1,2,3-cd)pyrene	ug/L	0.27	0.27	Max
Lead	ug/L	53	4.108	95UCL
Manganese	ug/L	15000	2056	95UCL
Mercury	ug/L	1.5	0.135	95UCL
Methyl tert-butyl ether	ug/L	27	2.76	95UCL
m-Xylene & p-Xylene	ug/L	39000	2676	95UCL
Naphthalene	ug/L	250	17.52	95UCL
Nickel	ug/L	450	26.47	95UCL
Nitrobenzene	ug/L	8.4	8.4	Max
o-Xylene	ug/L	29000	697	95UCL
Phenol	ug/L	120	19.03	95UCL
Pyrene	ug/L	0.63	0.62	95UCL
Selenium	ug/L	7.2	4.542	95UCL
Sulfolane	ug/L	14000	1112	95UCL
Tetrachloroethene	ug/L	1.5	1.31	95UCL

Table 6-2. (continued).

Analyte	Unit	Maximum Detected	EPC	EPC Basis
Combined Upper Alluvial and Lower Alluvial Aquifers				
Toluene	ug/L	4500	152.3	95UCL
Vanadium	ug/L	120	12.45	95UCL
Zinc	ug/L	740	42.34	95UCL
Effluent Channel Surface Water				
Barium	ug/L	98	98	Max
Chromium	ug/L	4.1	4.1	Max
Manganese	ug/L	340	340	Max
Nickel	ug/L	18	18	Max
Sulfolane	ug/L	0.94	0.94	Max
Vanadium	ug/L	35	35	Max
Zinc	ug/L	12	12	Max
Effluent Channel Sediment				
Arsenic	ug/Kg	3100	3100	Max
Barium	ug/Kg	180000	180000	Max
Beryllium	ug/Kg	210	210	Max
Cadmium	ug/Kg	410	410	Max
Chromium	ug/Kg	67000	67000	Max
Chromium, hexavalent	ug/Kg	910	910	Max
Cobalt	ug/Kg	21000	21000	Max
Copper	ug/Kg	79000	79000	Max
Lead	ug/Kg	21000	21000	Max
Manganese	ug/Kg	1300000	1300000	Max
Manganese	ug/Kg	1300000	1300000	Max
Mercury	ug/Kg	73	73	Max
Nickel	ug/Kg	55000	55000	Max
Sulfolane	ug/Kg	130	130	Max
Vanadium	ug/Kg	150000	150000	Max
Vanadium	ug/Kg	150000	150000	Max
Zinc	ug/Kg	160000	160000	Max
Surface Soil				
2,4-Dimethylphenol	ug/Kg	820	50.13	95UCL
2,4-Dinitrotoluene	ug/Kg	450	450	Max
2-Butanone (MEK)	ug/Kg	29	6.372	95UCL
2-Methylphenol	ug/Kg	300	45.38	95UCL
3 & 4 Methylphenol	ug/Kg	430	61.94	95UCL
Acenaphthene	ug/Kg	630	58.51	95UCL
Acetone	ug/Kg	41000	1944	95UCL
Anthracene	ug/Kg	120	120	Max
Antimony	ug/Kg	2400	1170	95UCL
Arsenic	ug/Kg	54000	4217	95UCL
Barium	ug/Kg	330000	106553	95UCL
Benzene	ug/Kg	12000	917.5	95UCL
Benzo(a)anthracene	ug/Kg	98	44.91	95UCL
Benzo(a)pyrene	ug/Kg	180	43.07	95UCL

Table 6-2. (continued).

Analyte	Unit	Maximum Detected	EPC	EPC Basis
Surface Soil				
Benzo(a)pyrene	ug/Kg	180	43.07	95UCL
Benzo(b)fluoranthene	ug/Kg	270	44.73	95UCL
Beryllium	ug/Kg	310	166.9	95UCL
Bis(2-ethylhexyl) phthalate	ug/Kg	7200	322.7	95UCL
Cadmium	ug/Kg	4500	331.3	95UCL
Carbon disulfide	ug/Kg	43	2.076	95UCL
Chromium	ug/Kg	150000	17582	95UCL
Chromium, hexavalent	ug/Kg	9800	2109	95UCL
Chrysene	ug/Kg	300	300	Max
Cobalt	ug/Kg	32000	20453	95UCL
Copper	ug/Kg	340000	81754	95UCL
Cyanide, Total	ug/Kg	6100	242	95UCL
Di-n-butyl phthalate	ug/Kg	320	53.79	95UCL
Ethylbenzene	ug/Kg	710000	28343	95UCL
Fluoranthene	ug/Kg	710	64.77	95UCL
Fluorene	ug/Kg	5700	110.6	95UCL
Indeno(1,2,3-cd)pyrene	ug/Kg	100	39.21	95UCL
Lead	ug/Kg	210000	19367	95UCL
Manganese	ug/Kg	8300000	1028164	95UCL
Mercury	ug/Kg	690	36.71	95UCL
Methyl tert-butyl ether	ug/Kg	220	5.003	95UCL
m-Xylene & p-Xylene	ug/Kg	5700000	169942	95UCL
Naphthalene	ug/Kg	4200	194.8	95UCL
Nickel	ug/Kg	230000	18829	95UCL
o-Xylene	ug/Kg	790000	30331	95UCL
Phenol	ug/Kg	1400	79.98	95UCL
Pyrene	ug/Kg	590	65.13	95UCL
Selenium	ug/Kg	4000	607.7	95UCL
Silver	ug/Kg	680	225.8	95UCL
Styrene	ug/Kg	24000	936.5	95UCL
Sulfolane	ug/Kg	17000000	493114	95UCL
Toluene	ug/Kg	57000	3571	95UCL
Vanadium	ug/Kg	230000	122740	95UCL
Zinc	ug/Kg	610000	85932	95UCL
Combined Surface Soil and Subsurface Soil				
1,2-Dichloroethane	ug/Kg	83	4.742	95UCL
2,4-Dimethylphenol	ug/Kg	820	52.62	95UCL
2,4-Dinitrotoluene	ug/Kg	450	440.1	95UCL
2-Butanone (MEK)	ug/Kg	180	7.973	95UCL
2-Methylphenol	ug/Kg	730	47.53	95UCL
3 & 4 Methylphenol	ug/Kg	940	62.19	95UCL
7,12-Dimethylbenz(a)anthracene	ug/Kg	63	63	Max
Acenaphthene	ug/Kg	630	40.16	95UCL
Acetone	ug/Kg	47000	1521	95UCL

Table 6-2. (continued).

Analyte	Unit	Maximum Detected	EPC	EPC Basis
Combined Surface Soil and Subsurface Soil				
Anthracene	ug/Kg	170	37.4	95UCL
Antimony	ug/Kg	2400	1159	95UCL
Arsenic	ug/Kg	54000	3774	95UCL
Barium	ug/Kg	330000	101098	95UCL
Benzene	ug/Kg	170000	2995	95UCL
Benzo(a)anthracene	ug/Kg	610	48.41	95UCL
Benzo(a)pyrene	ug/Kg	400	43.16	95UCL
Benzo(b)fluoranthene	ug/Kg	390	44.81	95UCL
Beryllium	ug/Kg	310	161.7	95UCL
Bis(2-ethylhexyl) phthalate	ug/Kg	13000	345	95UCL
Cadmium	ug/Kg	4500	290.6	95UCL
Carbon disulfide	ug/Kg	52	2.254	95UCL
Chlorobenzene	ug/Kg	140	140	Max
Chromium	ug/Kg	150000	15382	95UCL
Chromium, hexavalent	ug/Kg	9800	1887	95UCL
Chrysene	ug/Kg	560	47.53	95UCL
Cobalt	ug/Kg	58000	20122	95UCL
Copper	ug/Kg	710000	82480	95UCL
Cyanide, Total	ug/Kg	6400	223	95UCL
Di-n-butyl phthalate	ug/Kg	320	42.76	95UCL
Di-n-octyl phthalate	ug/Kg	62	62	Max
Ethylbenzene	ug/Kg	710000	19216	95UCL
Fluoranthene	ug/Kg	990	48.56	95UCL
Fluorene	ug/Kg	5700	84.27	95UCL
Indeno(1,2,3-cd)pyrene	ug/Kg	180	39.2	95UCL
Lead	ug/Kg	210000	12244	95UCL
Manganese	ug/Kg	8300000	974348	95UCL
Mercury	ug/Kg	690	28.71	95UCL
Methyl tert-butyl ether	ug/Kg	260	6.89	95UCL
m-Xylene & p-Xylene	ug/Kg	5700000	120504	95UCL
Naphthalene	ug/Kg	7400	249	95UCL
Nickel	ug/Kg	580000	17261	95UCL
Nitrobenzene	ug/Kg	1500	1500	Max
o-Xylene	ug/Kg	790000	17124	95UCL
Phenol	ug/Kg	1400	78.87	95UCL
Pyrene	ug/Kg	770	45.03	95UCL
Selenium	ug/Kg	4000	589.8	95UCL
Silver	ug/Kg	810	211.8	95UCL
Styrene	ug/Kg	24000	569	95UCL
Sulfolane	ug/Kg	17000000	247127	95UCL
Toluene	ug/Kg	260000	5184	95UCL
Vanadium	ug/Kg	260000	123355	95UCL
Zinc	ug/Kg	610000	75541	95UCL

Table 6-3. Summary of cumulative risks for resident.

Media	Pathway	HI	% HI	ILCR	% ILCR
Combined Upper Alluvial and Lower Alluvial Groundwater	**Ingestion**	**3.E+02**	53%	**1.E-02**	37%
	Dermal	**3.E+01**	6%	**2.E-03**	8%
	Inhalation	**2.E+02**	41%	**2.E-02**	56%
	Total	**5.E+02**	100%	**3.E-02**	100%

Table 6-4. Residential scenario – child; combined Upper and Lower Alluvial groundwater - potential noncarcinogenic risk (on CD).

Table 6-5. Residential scenario - age-adjusted; combined Upper and Lower Alluvial groundwater - potential excess lifetime cancer risk (on CD).

Table 6-6. Summary of cumulative risks for construction worker.

Media	Pathway	HI	% HI	ILCR	% ILCR
Combined Surface Soil and Subsurface Soil	**Ingestion**	**1.E+00**	5%	**1.E-06**	1%
	Dermal	5.E-01	2%	3.E-07	0%
	Inhalation	**1.E+00**	6%	8.E-07	0%
	Subtotal	**3.E+00**	14%	**2.E-06**	1%
Upper Alluvial Groundwater	**Ingestion**	0.E+00	0%	0.E+00	0%
	Dermal	**1.E+01**	56%	**1.E-04**	86%
	Inhalation	**7.E+00**	30%	**2.E-05**	13%
	Subtotal	**2.E+01**	86%	**2.E-04**	99%
	TOTAL	**2.E+01**	100%	**2.E-04**	100%

Table 6-7. Construction work scenario; onsite combined soil-potential noncarcinogenic risk (on CD).

Table 6-8. Construction worker scenario; onsite combined soil- potential incrimental lifetime cancer risk (on CD).

Table 6-9. Construction worker scenario; upper alluvial groundwater - potential noncarcinogenic risk (on CD).

Table 6-10. Construction worker scenario; upper alluvial groundwater - potential carcinogenic risk (on CD).

Table 6-11. Summary of cumulative risks for industrial worker.

Media	Pathway	HI	% HI	ILCR	% ILCR
Surface Soil	**Ingestion**	6.E-01	45%	**3.E-06**	**61%**
	Dermal	6.E-01	48%	6.E-07	**13%**
	Inhalation	9.E-02	7%	**1.E-06**	**26%**
	Total	**1.E+00**	100%	**5.E-06**	**100%**

Table 6-12. Industrial worker scenario; surface soil - potential noncarcinogenic risk (on CD).

Table 6-13. Industrial worker scenario; surface soil - potential incremental lifetime cancer risk (on CD).

Table 6-14. Summary of cumulative risks for trespasser.

Media	Pathway	HI	% HI	ILCR	% ILCR
Surface Soil	**Ingestion**	1.E-01	14%	3.E-07	26%
	Dermal	3.E-01	31%	1.E-07	11%
	Inhalation	9.E-02	9%	7.E-07	52%
	Subtotal	6.E-01	53%	**1.E-06**	89%
Sediment	**Ingestion**	1.E-02	1%	7.E-08	5%
	Dermal	1.E-03	0%	8.E-08	6%
	Inhalation	2.E-02	2%	1.E-09	0%
	Subtotal	3.E-02	3%	1.E-07	11%
Surface Water	**Ingestion**	2.E-03	0%	0.E+00	0%
	Dermal	5.E-01	44%	0.E+00	0%
	Inhalation	0.E+00	0%	0.E+00	0%
	Subtotal	5.E-01	44%	0.E+00	0%
	TOTAL	**1.E+00**	100%	**1.E-06**	100%

Table 6-15. Trespasser scenario; surface soil - potential noncarcinogenic risk (on CD).

Table 6-16. Trespasser scenario; surface soil - potential incremental lifetime cancer risk (on CD).

Table 6-17. Trespasser scenario; Effluent Channel sediment - potential noncarcinogenic risk (on CD).

Table 6-18. Trespasser scenario; Effluent Channel sediment - potential incremental lifetime cancer risk (on CD).

Table 6-19. Trespasser scenario; Effluent Channel surface water – potential noncarcinogenic risk (on CD).

Table 6-20. Trespasser scenario; Effluent Channel surface water – potential carcinogenic risk (on CD).

Table 6-21. General statistics for ecological exceedances by media (on CD).